



PLANNING AN ACADEMIC YEAR

Dear Students and Parents,

The primary goal of Allentown Central Catholic High School is to prepare our students to take their place in society as committed Catholics and responsible citizens. The planned curriculum at Central Catholic is developed to meet your academic and career needs. Through the variety of courses offered, we invite you to become involved in a program of studies that develops, challenges and encourages your God-given talents.

The selection of the proper courses is a serious responsibility and should be done thoughtfully and realistically. As you prepare to make this decision, it is important that you reflect on future goals. Therefore course selection should be discussed with student, parents, teachers, and Guidance Counselor.

After you have had time to study the course offerings, you will complete a Course Selection Sheet. You must select six major courses. Students will be scheduled for minor courses. The Course Selection Sheet must be signed by student, parent, and present subject teachers to indicate his/her approval.

Please note the pre-requisites for several of the courses. The Administration reserves the right to cancel any elective course. Also, please remember that Department Chairpersons, Guidance Counselors, and the Studies Office are responsible for the final placement in a course.

Once you have made a choice of subjects, you will be expected to accept the responsibility of that decision. Adequate schedule planning for students and teachers can be completed only when the Administration can consider student selections to be final. Changes, when deemed necessary and at the full discretion of the Studies Director, will require departmental and parental approval. Additional fees may be charged. Any change must be requested by June 30. All schedules must be final after that date.

May God bless you in this important decision-making process.

Sincerely,

Teresa M. Costenbader
Director of Studies

TABLE OF CONTENTS

PREFACE LETTER TO STUDENTS AND PARENTS

TABLE OF CONTENTS.....	PAGE 1
HONORS PROGRAM.....	PAGE 2
COLLEGE CREDIT OPPORTUNITIES.....	PAGE 3
COLLEGE ENTRANCE.....	PAGE 4
BASIC REQUIREMENTS FOR GRADUATION.....	PAGE 5-6
CURRICULUM.....	PAGE 7-8
Theology.....	PAGE 9-10
English.....	PAGE 11-12
Advanced Placement English Program.....	PAGE 13
Foreign Language.....	PAGE 14-17
Mathematics.....	PAGE 18-20
Science.....	PAGE 21-23
Social Studies.....	PAGE 24-26
Information Technology.....	PAGE 27
Fine Arts.....	PAGE 28
Minor Courses.....	PAGE 29-31
Physical Education.....	PAGE 32
Health Education.....	PAGE 32
Vocational-Technical Program.....	PAGE 33
CLASS RANK/QUALITY POINTS/GPA.....	PAGE 33
QUALITY POINT TABLE.....	PAGE 34
FOUR YEAR PLANNING WORKSHEET.....	PAGE 35

HONORS PROGRAM



Central Catholic offers a large variety of honor courses to students who are above average in ability and who can achieve success in a challenging area of study. These honor courses form the nucleus of our Honors Program. Whether a student takes one or more honor courses, he/she is considered as participating in the Honors Program.

By its very nature, our Honors Program will stimulate creativity, research, communication techniques, in-depth study, acceleration of subject matter, and the use of special skills. Of course, each subject area will delineate its own goals for its special purposes, e.g. the study of Calculus has a different objective from that of World Literature, even though the approach to both will bear many similarities.

The student participating in the Honors Program should demonstrate a personal commitment to excellence in academics and must expect:

- To do more work outside of class
- To choose independent study assignments in which the teacher sets the parameter for accomplishment
- To engage in a qualitative, intensive investigation of guided topics
- To delve into not only practical studies but also much theoretical material involving high levels of abstraction
- To participate in field trips where applicable
- To continue to do well in the course or be asked to go to a different level

To enter the Honors Program, incoming Freshmen are invited by virtue of ITBS scores, report card marks, class rank, recommendation of the elementary school, and Central Catholic Placement Test. Sophomores, Juniors, and Seniors may be invited to choose an honors course by virtue of their past performances with Departmental approval.



COLLEGE CREDIT OPPORTUNITIES

Students at Central Catholic have the opportunity to earn college credits, at minimal costs, here on their own campus.

Through a partnership with Alvernia University, the following Dual-Credit courses are currently offered:

THE 105	Foundations of Theology (ACCHS – H Theology 4)	3 credits
COM 101	Composition & Research (ACCHS - H English 4)	3 credits
SPA 103/104	Elementary Spanish 1 & 2 (ACCHS – H Spanish 4)	6 credits
MAT 230	Calculus 1 (ACCHS – H Calculus)	4 credits
BIO 107	Human Anatomy & Physiology (ACCHS – H Biochem)	4 credits
CIS 225	JAVA Programming (ACCHS – H JAVA Programming)	3 credits
CHE 104/110	General Chemistry/Lab (ACCHS-H Chem 2)	4 credits

Instruction approved by Alvernia University will be given during the school day at ACCHS. Students taking dual-credit courses must pass with a C or better to receive transferable credits. Offerings and fees are determined by Alvernia University.

Another opportunity for college credit before college admission lies with achievement in Central Catholic's AP curriculum. AP offerings include the following:

AP English Language	AP Calculus AB
AP English Literature	AP Physics B
AP US History	AP Spanish
AP Government/Politics	

Advanced Placement examinations are standardized tests administered at ACCHS, and scored by the Educational Testing Service. Each examination receives grade on a 5-point scale: 5 = extremely qualified; 4 = well qualified; 3 = qualified; 2 = possibly qualified; 1 = not qualified.

Colleges decide whether or not to accept AP exam grades for credit; many credit variation exist among post-secondary institutions regarding AP credit. Discussion of a college's or university's policy for this credit is advised.

Educational Testing Service determines dates and fees for AP exams. All students who take AP Courses ARE REQUIRED to take AP Exams.

COLLEGE ENTRANCE



Central Catholic's challenging curriculum will provide the best preparation for college admission and college success. The following provide some academic guidelines:

- ENGLISH** Colleges require 4 years of High School English instruction. Writing and research experience, the core of ACCHS's academic program, are keys to college success.
- MATHEMATICS** Colleges require a minimum of 3 years of math, encourage four years, and look for some exposure to Trigonometry.
- SCIENCE** Colleges prefer 4 years of lab science for science-related majors and 3 years for non-science-related majors. All of ACCHS's science courses are premised on scheduled lab experience.
- SOCIAL STUDIES** While 3 years of Social Studies are required for graduation from Central Catholic; students have four years of curricular choices available. Students seeking careers in Social Sciences may take even more courses in this discipline.
- WORLD LANGUAGE** World languages are an integral part of education in today's society. While most colleges require two years of study in high school, many specific academic disciplines require an even further enhanced familiarity with a particular language. A world language should be selected based on a student's interest and career orientation. All students must complete 2 consecutive years of the same language.



BASIC REQUIREMENTS FOR GRADUATION

<u>SUBJECT AREA</u>	<u>CREDITS</u>
Theology	4
English	4
Mathematics	3
Science	3
Social Studies (World Studies, American Studies, Government/ Economics)	3
World Languages	2
Electives	5
Minor Courses	<u>1.5</u>
	25.5

STANDARD COLLEGE PREP CURRICULA/GRADE LEVEL

9th

Theology 1
 English 1
 Algebra 1/Geometry
 Biology
 World Studies
 Language 1

10th

Theology 2
 English 2
 Geometry/Algebra 2
 Chemistry
 American Studies
 Language 2

11th

Theology 3
 English 3
 Mathematics
 Science
 Electives (2)

12th

Theology 4
 English 4
 Government/Economics
 Electives (3)

MINOR COURSES

9TH

Info Tech-Microsoft
Health
Physical Education

10th

Music Appreciation
Health
Physical Education

11th

Physical Education

12th

Physical Education

(Minor Electives)

VO-TECH ALTERNATIVE *

11TH

Theology 3
English 3
Math
LCTI

12TH

Theology 4
English 4
Government/Economics
LCTI

*Vo-Tech alternative is not available at ACCHS in 9th or 10th grade.



CURRICULUM

Central Catholic High School has earned her place in the Lehigh Valley area through more than seven decades of service to education. The curriculum is exclusively College Prep and is driven by vigorous Advanced Placement and Honors Programs. SAT results consistently lead those throughout the Diocese, as do other tests of achievement and proficiency. The school has earned National Blue Ribbon Recognition in 1982, 1992, and 1998. We have no rolling, green campus; we are inner city. But, the lack of these serves as a challenge to all of us. The faculty teach, tutor, and offer many hours of uncompensated time to the kids whom they love; the students respond in kind. To achieve is “cool” at Central Catholic. The results speak for themselves, with 95% of the graduates entering colleges (where the “Ivies” are well represented, along with other private and state colleges and universities across the country).

The school is blessed with three supportive parent associations in the areas of Drug/Alcohol Prevention, Music, and Athletics. People power evolves from an authentic love of the school, its values, and its traditions. Our definition of “The Best” is a teacher supported by parents, administration, and alumni who uses the data of modern research and technology and who tirelessly brings the student to challenge and partnership in learning and growing.

The student body of Central Catholic reflects a varied cultural heritage, which lends to the first-hand experience of the unity possible in diversity, encouraging respect and appreciation for cultural pluralism. Through interpersonal relationships with faculty and students, the individual can come to a realization of his own dignity as a free, responsible, valued child of God and a productive, caring member of society. Such an environment of learning will strengthen the student’s ability to perceive, to analyze, to choose, and to live, all with the fullness of God’s grace and love.

Course Descriptions are listed in number order. Courses preceded by the letter H are Honors courses; all other courses are college prep courses. Courses should be chosen on the level of ability of the student. This system provides the student an opportunity to work at his/her own ability level and affords the satisfaction of achievement. Each major course carries one credit; minor courses carry a partial credit.

The presentation of the lesson, the requirements of subject material, and the testing programs vary for each level and are weighted (Quality Points) accordingly. Quality points earned are based on the level of difficulty of the course. Quality Points determine a student's rank and eligibility for National Honor Society. Quality Points earned; however, do not affect a student's eligibility for achieving Honor Rolls.

All students are eligible for honor rolls based on grades received in their selected courses regardless of level of difficulty. Honor Rolls are announced each marking period. All students are eligible for Honor Rolls if they meet the following criteria:

- | | | |
|-----------------|---|--|
| Summa Cum Laude | - | General Average of major subjects 95.0 and a minimum grade of 90 in all major subjects. |
| Magna Cum Laude | - | General Average of major subjects 90.0 to 94.99 and a minimum grade of 85 in all major subjects. |
| Cum Laude | - | General Average of major subjects 85.0 to 89.99 and a minimum grade of 80 in all major subjects. |

Honors will not be awarded to any student receiving ten or more detentions.



THEOLOGY

112	H THEOLOGY 1	1 CREDIT	LEVEL 2
114	CP THEOLOGY 1	1 CREDIT	LEVEL 3

The students begin their formal theological inquiry by first acquiring the skills of abstract and logical thought. They simultaneously are made familiar with the importance of prayer and spirituality in the life of a Christian. These newly acquired skills are then put to work as we further our understanding of Jesus of Nazareth, the Old Testament expectations and the New Testament's appreciation of the advent of the Lord. The study of Christology then is blended with the study of Scripture and Church Tradition in uniquely critical and specifically Roman Catholic manner. Some time will also be spent considering some key errors in understanding the Scriptures, especially the problem of Fundamentalism.

Scriptural topics involving student presentations, portfolios, guest speakers, and library research will supplement the Honors curriculum.

122	H THEOLOGY 2	1 CREDIT	LEVEL 2
124	CP THEOLOGY 2	1 CREDIT	LEVEL 3

Sophomore Theology is devoted to the study of the Sacraments, Prayer, Liturgy, and Catholic Moral Teaching. The student is given the opportunity to enrich his/her faith not only by learning about the Catholic life of prayer; but also by participating in the prayer and liturgical life of the Catholic Church.

Sophomore Theology also addresses the moral consequences of our faith in Jesus and His Gospel. This portion of the course teaches the message of Christ and the implications of our faith as expressed in church documents, with regard to the virtuous and holy use of sexuality.

Formation of conscience, accepted Catholic moral principles as well as Christ's teaching of chastity both within and outside of marriage is emphasized. The Diocesan "Recommendations For Education in Chastity" written by The Task Force on Chastity provides the resources employed in the course.

Additional reading and research of the history and theology of the Sacraments and Mass, moral concerns of sexuality and respect for life, and current spiritual issues with guest speakers will highlight the Honors curriculum. (Pre-requisite: CP Theo 1 = 95% or H Theo 1 = 85%, and Departmental Approval)

132	H THEOLOGY 3	1 CREDIT	LEVEL 2
134	CP THEOLOGY 3	1 CREDIT	LEVEL 3

Junior Theology is divided into two one-semester courses. In one-semester students consider the history of Christianity. Beginning with its evolvement from Judaism, the course examines the major contributions made to western civilization by the Roman Catholic Church. Through case study work, lecture, videos, and discussion, the student is challenged to consider his or her role in this on-going and dynamic life called Catholic Christianity.

The other semester is a return to moral theology. The students now consider the ramifications of their faith with regard to Social Justice. How can the teachings of the Gospel create a just society and promote social harmony among people and nations. The course highlights the social teachings of the Popes from the past century, Vatican II, and pastoral letters of the American bishops.

Topics include a living wage and rights of workers, just war and the pursuit of peace, abortion, capital punishment, sexism, racism, the rights and the dignity of the human person in the third world.

Honors students will explore primary text materials of patristic, scholastic, and monastic sources, as well as modern church documents of social justice. (Pre-requisite: CP Theo 2 = 95%, H Theo 2 = 85%, and Department Approval)

142	H THEOLOGY 4	1 CREDIT	LEVEL 2
144	CP THEOLOGY 4	1 CREDIT	LEVEL 3

Semester 1: APOLOGETICS

Students consider the origins and beliefs of the Church as revealed in Scripture and Sacred Tradition. In order to compare and contrast these beliefs, students are asked to consider major religions and sociological trends.

Semester 2: CHRISTIAN LIFE STYLES

The students are asked to face themselves as Christians in the contemporary world, re-examining their faith in terms of an ongoing maturing commitment in the areas of personal belief in God, the Mission of the Christ and His Church, Christian Moral Life and Vocation, most especially, the vocation of marriage. Due to the changing nature of our world, students are also asked to consider sociological determiners such as STD, AIDS, etc.

The Honors Senior Theology curriculum will include a research paper and additional readings from church fathers, theologians and documents (including St. Anselm, St. Thomas Aquinas, Vatican II, and post-conciliar documents.)
(Pre-requisite: CP Theo 3= 95%, H Theo 3 = 85%, and Departmental Approval)



ENGLISH

The writing policy at Central Catholic revolves around a progressive style where topics are introduced and reinforced during the course of a student’s academic career. Teachers are not limited to the essay topics listed here; however, every student will have experienced these topics at the minimum during their four years of English at Central Catholic High School.

212	H English 1	1 CREDIT	LEVEL 2
214	CP English 1	1 CREDIT	LEVEL 3

This course will provide students with an opportunity to become familiar with the library including exposure to the Reader’s Guide, Card Catalogue, Dewey Decimal System, and computer research skills including pertinent web sites and search engines. This course places emphasis on the basic written communication skills of prewriting, drafting, and revising and the development of the five-paragraph essay including a detailed look at the process of writing the essay and constructing the thesis statement. Students will also be introduced to the Descriptive Essay, the Expository Essay, and the Literary Analysis including but not limited to the study of the short story, poems, novels, plays, and dramas.

For Honors Program students, these skills are refined, and the ability to express oneself is intensified through additional readings, advanced writing options, and guided research.

213	Advanced Language	1 CREDIT	LEVEL 4
-----	-------------------	----------	---------

This course assists selected freshman students in making a more successful transition to high school. This class meets every day and is a major course. It does not take the place of English 1, but rather is studied in conjunction with it. Topics covered may include vocabulary skills and communication and writing skills. Students will learn descriptive, narrative, expository, and persuasive writing techniques; strategies for writing effective sentences and paragraphs, and review of grammar, usage, and mechanics. In order to allow room in the students’ schedules for this class, their world language study will be deferred until sophomore year. These students will study two consecutive years of world language in their sophomore and junior years.

222	H English 2	1 CREDIT	LEVEL 2
224	CP English 2	1 CREDIT	LEVEL 3

This course will continue the emphasis on the development of the five-paragraph essay by reinforcing the essay skills learned in English 1 and introducing students to the Narrative Essay, Persuasive Essay, Compare and Contrast Essay, and the Analytical Essay. All speeches will make use of an accompanying Power Point presentation. Through an investigation of the American Dream, students will gain refined experience with writing and reading.

Honors Program students will be introduced to higher level critical thinking skills and to basic research methodology.

231	H English 3	1 CREDIT	LEVEL 2
234	CP English 3	1 CREDIT	LEVEL 3

This course articulates discourse strategies and critical thinking and integrates with a study of British literature; students will respond in writing to various writers of England. Students will be introduced to research methodology and reporting format through the development of the Research Paper, the Critique Essay, the Argument and Persuasion Essay, and the Literary Analysis which will include an implementation of various literary terms and rhetoric applied to writing.

Honors Program students will be introduced to advanced rhetorical strategies and formal research techniques.

241	H English 4	1 CREDIT	LEVEL 2
244	CP English 4	1 CREDIT	LEVEL 3

This course explores various discourse strategies to give students practical academic writing experiences. Through response to a survey of themes in Western literature from the Greek to the Post-Modern, students will write extensively and reflexively, refining skills related to the Compare and Contrast Essay, the Critique, and the Literary Analysis including an implementation of the various literary terms and rhetoric applied to writing. During the first quarter of senior year, students will prepare a Personal Essay as a prelude to the college essay.

Honors Program students will gain critical and research writing experience in response to a survey of themes in Western literature, writing analyses, creative narrative and poetry, and short research papers of diverse focuses.

860	Journalism 1/Publishing	see Fine Arts, page 28
865	Journalism 2/Publishing	see Fine Arts, page 28

WORLD LANGUAGE



All course selections are subject to teacher approval. ALL STUDENTS MUST COMPLETE 2 CONSECUTIVE YEARS OF ONE LANGUAGE.

FRENCH COURSES

- 311 CP French 1 1 CREDIT LEVEL 3
An introduction to the fundamentals of the language emphasizing oral expression and aural comprehension. The instructor will use the target language as much as possible in class in order to create the context for language development. Stress is on an understanding of the structural concepts used in daily practical conversation. The program is supplemented by accompanying audio-visual materials.
- 312 CP French 2 1 CREDIT LEVEL 3
An introduction to the fundamentals presented in French 1; provides a continued emphasis on oral expression and aural comprehension. Stress is on more complex grammar structures. The course is enriched by the presentation of cultural materials, and audiovisuals.
- 313/ H French 3/H French 4 1 CREDIT LEVEL 2
314 The principles of grammar are reviewed and opportunity is given for oral and written expression based on readings. The ability for comprehension is strengthened by use of CDs and videos. The entire course is supplemented by the presentation of cultural materials. Departmental approval required.

GERMAN COURSES

- 321 CP German 1 1 CREDIT LEVEL 3
Students will be introduced to the German language and culture. The students will learn basic pronunciation, vocabulary and grammatical construction through oral and written practice. The instructor will use the target language as much as possible in class in order to create the context for language development. Language, custom and culture are incorporated into all lessons.
- 322 CP German 2 1 CREDIT LEVEL 3
This course continues to develop the four language skills of speaking, understanding, reading and writing. Classes will utilize material that integrates the study of German language, customs, and culture in both traditional and multi-tiered fashion. The use of dictation exercises, the reading of short selections from German folktales, and simple compositions with continued study of grammar and vocabulary comprise the work of the course. Finally, German as the primary language of communication will be stressed.
- 323/ H German 3/H German 4 1 CREDIT LEVEL 2
324 Students will continue their development of German language, culture, and history. Practice of spoken and written German will be expected. Through projects and group activities, students will increase their appreciation for German culture and history. They will be engaged in German literature while discussing both German history and current events.

LATIN COURSE

- 331 CP LATIN 1 CREDIT LEVEL 3
The fundamentals of the language are introduced. Stress is on an understanding of the structural concepts. The program is enriched by the presentation of cultural materials. This course is an elective for Juniors and Seniors who have plans for medical careers or who desire to use language structures as preparation for SAT testing.

SPANISH COURSES

- 351 CP Spanish 1 1 CREDIT LEVEL 3
An introduction to the fundamentals of the language emphasizing oral proficiency, comprehension, and elementary written expression. The instructor will use the target language as much as possible in class in order to create the context for language development. Stress is on incorporating basic grammar concepts into oral expression through real-life situational practice in the classroom. The course is enhanced with videos and other audio-visual material, which explore the cultures of the Spanish-speaking world.
- 352 CP Spanish 2 1 CREDIT LEVEL 3
A review of the fundamentals of Spanish 1 emphasizing oral and reading comprehension, and written expression. Stress is on incorporating more advanced grammar concepts into oral expression through real-life situational practice in the classroom. The course is enhanced with videos and other audio-visual material, which continue to explore the cultures of the Spanish-speaking world.
- 353 CP Spanish 3 1 CREDIT LEVEL 3
This course is designed for the student who wishes to pursue a third year of Spanish. There is a comprehensive review of grammar and vocabulary from the required two years of study, as well as an introduction to more complex grammatical structures. Oral proficiency and reading comprehension are also practiced at this level. Pre-requisite: Minimum average of 85% in CP Spanish 2 and departmental approval.
- 342 H Spanish 2 1 CREDIT LEVEL 2
This is the same as 352 Spanish 2. It is intensified through individual and group oral and written presentations using vocabulary and grammar structures previously presented. It will be enriched through journaling, cultural reports and mini-dramatizations. Students are expected to speak in Spanish. Pre-requisite: Minimum average of 94% in CP Spanish 1 and Departmental approval.

- 343 H Spanish 3 1 CREDIT LEVEL 2
 This course emphasizes review, reinforcement and introduction of all grammatical structures through oral and written practice. Oral proficiency and comprehension of the written and oral word are practiced in individual and group learning situations. The use of the language in the classroom environment is encouraged and stress with various conversational exercises. The culture, geography and history of Spain, Central America, and South America are presented. The course is enhanced with audio-visual material such as CD's and DVD's.
 Pre-requisite: Departmental approval.
- 344 H Spanish 4 1 CREDIT LEVEL 2
 This course continues to review, reinforce, introduce, and provide opportunities for the student to internalize. Their previous language learning, oral proficiency, comprehension and written expression are stressed with presentations, listening exercises and translations. Students are required to keep a journal and are expected to speak in Spanish on a daily basis. Spanish and Hispanic cultures are studied through selected readings and video. Students are introduced to Spanish literature, including, but not limited to, Cervantes' Don Quixote. Pre-requisite: Departmental approval.
- 345 AP Spanish 1 CREDIT LEVEL 1
 This is an advanced grammar and composition course. It provides an in-depth review of grammar and a thorough study of the subtle complexities of the Spanish language. Students are presented with literary selections that vary from journalistic writing to the complex style of authors such as Octavio Paz. Students have constant opportunities to improve their speaking and writing skills. This course is designed for the motivated student of Spanish who plans to take the AP exam in the spring.
 Pre-requisite: H Spanish 4 and/or Departmental approval.

NOTE: World languages are an integral part of education in today's society. Most colleges require two years of study in high school. However, specific academic disciplines require familiarity with a particular language. A world language should be selected based on the student's interest and career orientation.



MATHEMATICS

- 412 H Algebra 1 1 CREDIT LEVEL 2
This is a modern mathematics program, which emphasizes the structure of algebra. Continual use is made of the real numbers: algebraic proof and analysis are introduced. Exercises in computation and problem solving are divided into levels of increasing difficulty. Concepts included in the course are: equalities, inequalities, linear and quadratic equations, rational expressions and equations, and irrational numbers.
Pre-requisite: Departmental Approval
- 414 CP Algebra 1 1 CREDIT LEVEL 3
This course deals with the development and operations of the real number system, including background and usage of operations of monomials and polynomials in equations, expressions and practical problems. A strong background in factoring polynomials and working with algebraic fractions is developed by discovery in order to insure retention. Also included is an introduction to equations in two unknowns and graphing.
- 422 H Geometry 1 CREDIT LEVEL 2
This course is an in-depth study of Euclidean Geometry with emphasis on incorporating Algebra with Geometry with appreciation of the need for rigorous logical proofs using Algebraic and Geometric concepts is integrated into the curriculum.
Pre-requisite: H Algebra I and/or Departmental Approval
- 423 CP Geometry A 1 CREDIT LEVEL 3
424 CP Geometry B 1 CREDIT LEVEL 4
This is a study of the basic concepts of geometry, including parallel lines, triangles, quadrilaterals, circles, and area. Extensive work is done on proof writing. Algebra is reviewed and complements the study of geometry.
Pre-requisite: Algebra 1

- 430 H Trigonometry and Selected Math Topics 1 CREDIT LEVEL 2
 Trigonometry is based on triangular definitions augmented by circular definitions for functional graphing. Stress is placed upon applications and analysis. Students will be required to understand all concepts and their derivation, and individually prove the same. The Topics section of the course (second semester) is an introduction to Discrete Mathematics. Topics to be investigated include Matrix Algebra, Determinants, and Combinations. Students are required to research an assigned Mathematical Topic and make an oral presentation in small groups.
 Pre-requisite: H Algebra 2 and/or Departmental Approval – (Taken in conjunction with Introduction to Calculus in Junior year.)
- 432 H Algebra 2 1 CREDIT LEVEL 2
 Presents an intensive program in modern mathematics which emphasizes the structure of the complex number system. Stress is placed upon analysis, algebraic proofs, and the need for precision language. Careful treatment is given to the study of linear, quadratic, and exponential functions.
 Pre-requisite: H Geometry and/or Department Approval
- 433 CP Algebra 2A 1 CREDIT LEVEL 3
 434 CP Algebra 2B 1 CREDIT LEVEL 4
 Study in modern mathematics evolving from the structure of the real number system and proceeding to complex numbers. Stress is placed upon the function concept and its importance in mathematics. Pre-requisite: Geometry
- 440 AP Calculus 1 CREDIT LEVEL 1
 A comprehensive study of the theory, derivations and applications of Differential and Integral Calculus. Topics include but are not limited to: limits, derivatives, related rates, differentials, Extrema, indefinite and definite integrals, area under a curve, and volume of revolution.
 Pre-requisite: Introduction to Calculus and Departmental Approval; AP Calculus; AB exam mandatory in May in lieu of final exam
- 441 H Calculus 1 CREDIT LEVEL 2
 An in-depth review of Introductory Calculus topics including functional analysis, conic sections and logarithms. Differential Calculus is introduced stressing the understanding of a limit as the definition of a derivative, as well as differential formulas and applications.
 Pre-requisite: Introduction to Calculus or Department Approval

- 442 H Introduction to Calculus 1 CREDIT LEVEL 2
 A course designed to develop the skills necessary for success in higher mathematics. Emphasis is placed on functional analysis and various methods of analytical graphing. Additional topics include transcendental functions, conic sections, and polynomial analysis.
 Pre-requisite: Departmental Approval; H Algebra 2 with Trig & Topics (430) taken in conjunction with 442 or Functional Analysis
- 443 CP Functional Analysis 1 CREDIT LEVEL 3
 The first semester is an analysis of various types of equations in functional notation, with emphasis on graphing techniques and finding roots, both real and imaginary. The second semester is computationally stressed trigonometry highlighted by theory based on circular and triangular definitions.
 Pre-requisite: Algebra 2
- 444 H JAVA Programming 1 CREDIT LEVEL 2
 This course explores the design, construction and verification of computer programs using a structured object-oriented programming language. Topics include algorithm development and design techniques, input and output, flow of control, window dialog boxes, graphical user interfaces (GUIs), objects and classes, arrays, and inheritance.
 Pre-requisite: Departmental approval.
- 445 CP Algebra III 1 CREDIT LEVEL 4
 CP Algebra III is a continuation of algebraic study designed to prepare students for COLLEGE algebra. Emphasis is placed on reinforcing solving linear systems of equations and inequalities, factoring techniques and solutions to elementary functions and their graphs. Trigonometry is introduced at a non-analytical level. Focus is on the relationship between the sides and angles of a right triangle and their applications.
 Pre-requisite: CP Algebra II.
- 446 CP Precalculus 1 CREDIT LEVEL 3
 This course will continue with topics in Trigonometry (graphing, identities and equations). It will also cover Exponential and Logarithmic Functions, Polar Coordinates and Vectors, Analytic Geometry (Conic Sections), Systems of Equations and Inequalities (linear and non-linear), Sequences, and Probability.
 Pre-requisite: CP Functional Analysis
- 448 CP Microsoft Visual Basic Programming 1 CREDIT LEVEL 3
 This course is designed to provide an interesting and meaningful programming experience for the beginning programmer. All the fundamentals of windows application programs are made easier and more fun through a game development based teaching approach. Topics include loops, conditional statements, objects and graphical user interfaces (GUI's). Pre-requisite: 80% in CP Algebra 1



SCIENCE

- 512 H BSCS Biology 1 1 CREDIT LEVEL 2
This course is designed to provide students with a sophisticated knowledge of biology with an emphasis on molecular biology, genetics, cellular structures, energetics, organ systems, and ecological relationships. Several species of living things are studied with regard to their internal systems and their relationship to the environment. Acceptance into this course is by invitation only. H Geometry or H Algebra 1 must be taken concurrently.
- 514 CP Biology 1 1 CREDIT LEVEL 3
This course uses the ecological approach to study living systems. There are projects, labs, and classroom activities that investigate the unity and diversity of life, the origin of life, the development and speciation of organisms. The emphasis is on the interrelationships between the organisms and their environment.
- 522 H Chemistry 1 CREDIT LEVEL 2
This course provides students who have a high level of scientific and mathematical ability and interest the opportunity to study the structure and reactions of matter. These concepts are tested in a full laboratory program.
Pre-requisite: H BSCS Biology 1, H Geometry; Co-requisite: H Algebra 2
Departmental Approval Required
- 524 CP Chemistry 1 CREDIT LEVEL 3
This course provides a descriptive background of the nature and reactions of matter with less rigorous mathematical applications than the honors course. These chemical concepts are developed through the laboratory program.
Pre-requisite: Biology 1 and Algebra 1; Departmental Approval Required
- 526 Pre-Chemistry/Pre-Physics 1 CREDIT LEVEL 4
This course introduces the ideas of both chemistry and physics from a conceptual view with an inclusion of basic mathematical applications. Labs emphasize the practical applications of the course. CP Chemistry may still be studied after successfully completing this course, with Departmental Approval.
Pre-requisite: Biology 1 – By Invitation Only
- 531 H Biochemistry/Physiology 1 CREDIT LEVEL 2
This course is designed for students with an aptitude for science preparing for a science career, especially medicine. The first semester deals with the fundamental structures and reactions of the carbon atom leading to a detailed understanding of the biomolecules. The second semester features the study of human anatomy and physiology. There is an intense laboratory component to this course, including the dissection of the cat.
Pre-requisite: Biology, Chemistry – Minimum average 85% in H Chem or H Chem 2 or 90% in CP Chem or CP Chem 2. Departmental approval is required.

- 532 AP Physics 1 1 CREDIT LEVEL 1
 This intense, algebra-based study of mechanics, fluid mechanics, and thermodynamics, is the first half of a two year Advanced Placement B Program. Students will be expected to master both theoretical concepts and problem solving at a college level. Laboratory experiments on motion, forces, thermal energy and fluids are the focus of the course.
 Pre-requisite: H Chemistry; Co-Requisite: H Introduction to Calculus
 Departmental Approval is required – By Invitation Only (Guideline = 90% in both H Chem and H Algebra 2)
- 533 H BSCS Biology 2 1 CREDIT LEVEL 2
 This course complements material presented in H BSCS Biology 1. Topics include Ecological Issues; Advanced Genetics; the Nervous, Endocrine, and Immune Systems; a thorough study of the kingdoms of living organisms.
 Pre-requisite: HBSCS and H Chemistry = 85% Average or CP Biology and CP Chemistry = 90% Average. Departmental Approval Required.
- 534 CP Biology 2 1 CREDIT LEVEL 3
 This course is intended to complement the information and activities of CP Biology 1 by taking a molecular approach. The study of DNA and genetics is the springboard for the course. Cellular biology, biotechnology as well as a thorough survey of contemporary discoveries in medicine and research highlight both the laboratory and classroom activities.
 Pre-requisite: Biology and Chemistry = 80% Average; 75% Average in H Chemistry is the guideline – Departmental Approval Required
- 535 CP Environmental Science 1 CREDIT LEVEL 3
 This course is designed primarily for students with career interests related to conservation and the environment. The course aims to enable students to see clearly the connection between their own attitudes, actions and lifestyles and the various environmental issues, which exist. Class discussions and projects investigate the basis and motivation for trying to change public behavior and policies.
 Pre-requisite: Biology 1 and Chemistry
 Departmental Approval Required
- 536 CP Chemistry 2 1 CREDIT LEVEL 3
 This course expands on chemical concepts presented in CP Chemistry 1. Students will take a more in depth look at the structure and reactions of matter, including topics of reaction rate and equilibrium, thermodynamics, electrochemistry, and nuclear chemistry.
 Pre-requisite: Chemistry 1 (85% average in CP Chemistry; 75% average in Honors Chemistry)
 Departmental Approval Required.

- 537 Honors Chemistry 2 1 CREDIT LEVEL 2
 This course is designed for students with an aptitude and interest in the sciences. The course complements material covered in Honors Chemistry and will take a problem solving and laboratory experiment approach to all topics presented in a first year college level curriculum. Advanced topics of reaction rate and equilibrium, quantum theory, thermodynamics, electrochemistry, nuclear chemistry, and simple organic reactions will be covered.
 Pre-requisite: Honors Chemistry (85% average), CP Chemistry (93% average).
 Departmental Approval Required.
- 538 CP Geosciences 1 CREDIT LEVEL 3
 This course studies the geology of the materials that make up the earth (rocks and minerals), forces that act on the surface (wind and water) and under the surface (earthquakes and tectonics), the ocean and water bodies, the atmosphere, weather and basic astronomy. Class activities include laboratory study, virtual labs and video field trips. Pre-requisites: CP Biology and CP Chemistry.
- 542 AP Physics 2 1 CREDIT LEVEL 1
 This course is an algebra-based study of light, electricity, magnetism, atomic and nuclear physics and relativity. THIS IS THE SECOND HALF OF A TWO YEAR ADVANCED PLACEMENT PHYSICS B PROGRAM. Experiments on waves, sound, optics, electrical currents, magnetism and radioactivity are the focus for the course. Students are required to take the AP Physics exam B in May after completing the course.
 Pre-requisite: AP Physics 1
 Departmental Approval Required
- 544 H Physics 1 CREDIT LEVEL 2
 This course is designed to complete the high school background in science with the investigation of the basic concepts of physics. Mathematical tools are taught and used to study motion, heat transfer, electricity, magnetism, waves, and light in both the classroom and the laboratory.
 Pre-requisite: Biology and Chemistry
 Co-Requisite for Juniors: H Intro to Calculus
 Co-Requisite for Seniors: H Intro to Calculus or Calculus
- 545 H Environmental Science 1 CREDIT LEVEL 2
 This is a laboratory and field-based course that provides students with the content and skills needed to understand the various interrelationships in the natural world, to identify and analyze environmental problems, and to propose and examine solutions to these problems. The course encompasses human population dynamics, energy flow, natural resources, human impact on environmental systems, and environmental law. It is designed for the diligent student with a true interest in the environment.
 Pre-requisite: HBSCS & H Chem = 80% Average or CP Biology & CP Chem = 85%
 Department Approval Required.

SOCIAL STUDIES



The Social Studies Department offers a comprehensive 3-year program with electives and a 4-year Honors/AP. All course selections are subject to teacher and departmental approval. The Department reserves the right to limit certain courses to seniors only or to withdraw an elective course if student response requires such action. All AP and Honors courses are offered to students based on past performance, test scores, and teacher recommendation.

612	H World Studies	1 CREDIT	LEVEL 2
614	CP World Studies	1 CREDIT	LEVEL 3

This course is a study of western and non-western civilizations beginning with the Renaissance. Emphasis is placed on the geographical, political, economic, and social history of Europe and Africa.

The Honors Program includes the same content core with emphasis on development of independent research skills, written communication skills, and primary source reading skills.

622	H American Studies	1 CREDIT	LEVEL 2
-----	--------------------	----------	---------

This course is a study of American history from the Age of Exploration to the Progressive Era. Political, economic, and social aspects of American history will be explored in order to relate past events to current trends in America. This course will continue the development of independent research skills and written communication skills.

624	CP American Studies	1 CREDIT	LEVEL 3
-----	---------------------	----------	---------

This course continues the study of American history from the Progressive Era to the present. Political, economic, and social aspects will be explored, relating past events to current issues in America.

- 630 AP United States History 1 CREDIT LEVEL 1
 The AP program in United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. It is a study of those political, social, economic, and cultural forces which have molded our nation from colonial times until the 1980's. Students who take this course are required to take the AP exam in May.
 Pre-requisite: Honors American Studies and Departmental approval
- 632 H Modern America 1 CREDIT LEVEL 2
 This course, the second of a two-year U.S. history sequence, begins with the Progressive Era and proceeds to present day events. Students will study the nation's transformation into a global power and the impact of this change on the political, economic, and social development of our nation. Activities and projects will focus on critical thinking skills and independent research skills designed to challenge the capabilities of these students.
 Pre-requisite: H American Studies
- 640 AP American Government and Politics 1 CREDIT LEVEL 1
 Seniors only.
 This college level course is an in-depth study of political processes and governmental institutions. Individual research projects, primary source reading and critical analysis are stressed. Students taking this course are required to take the AP examination in May.
 Pre-requisite: An average of 90% in AP or H English 3
 Minimum Average of 93% in H Modern America or 91% in AP US History.
- 642 H American Government/Economics 1 CREDIT LEVEL 2
 644 CP American Government/Economics 1 CREDIT LEVEL 3
 Required Senior Course
 This course consists of one semester of American Government, which explores the basic structures of national and state government as well as citizenship skills. An introductory study of economics and its practical application will be the focus of the second semester. The Honors Program will use supplemental readings and activities to foster class discussion and critical thinking skills.
 Honors Pre-requisite: H Modern America

- 651 CP Psychology 1 CREDIT LEVEL 3
 This course is an introduction to psychology as a growing field that attempts to understand human behavior. The course acquaints students with major topics and theories of general psychology. It encourages students to rate various theories and concepts to their own perception of society and themselves.
 Elective Course: Seniors given preference
- 652 CP Legal Issues/Criminal Justice 1 CREDIT LEVEL 3
 This introductory course will focus on the study of constitutional rights, legal processes, and the American Justice System. Utilizing recent court cases, students will explore the nature of crime, legal procedures, and the role of law enforcement in society.
 Elective Course: Seniors given preference
- 653 CP Popular American Culture 1 CREDIT LEVEL 3
 This course will examine the development of the United States since World War II into a political, economic, and cultural superpower. Detailed consideration of the Cold War, civil rights, the women’s movement, the 1960’s counterculture, the Vietnam War, and trends in music and film will be examined and evaluated.
 Elective Course: Seniors given preference
- 654 CP Geography 1 CREDIT LEVEL 3
 This course introduces students to the study of the spatial interaction between people and places, or where and why things happen. It will examine the patterns and processes that have shaped human understanding, use, and alternation of the earth’s surface. As technology has made the world “smaller”, today’s higher education and employment require a global outlook. This course will equip students with the skills to think globally in the spatial, physical, cultural, religious, political and economic arenas.
 Elective Course: Juniors and Seniors

N.B. All Government Courses must be taken in the SENIOR YEAR.

INFORMATION TECHNOLOGY



- 751 CP Accounting 1 1 CREDIT LEVEL 3
Basic theory and practice of accounting, covering the accounting cycle from the elementary equation to preparation of adjusting and closing entries and financial statements.
Pre-requisite: 80% or above in Algebra 1
- 752 CP Accounting 2 (Fulfills Math requirements of Math 3) 1 CREDIT LEVEL 3
The purpose of this course is to expand the student's understanding and ability in accounting based on what was achieved in Accounting 1. This involves a study of data processing, special journals, the cash register system, sales taxes, depreciation, bad debts, accruals, partnerships and corporations.
Pre-requisite: Accounting 1 with Average of 80% or above and Departmental Approval
N.B. Offered only if enrollment is sufficient.
- 753 Advanced Word/Advanced Excel 1 CREDIT LEVEL 3
Work with graphics and format styles. Learn to automate Word and merge documents. Create form letters and prepare mailing labels. Work with large documents (table of contents, footnotes, reference pages.) Work with multiple worksheets, workbooks and lists. Learn to use advanced formulas, lookups, and data tables. Create, rearrange, and format pivot tables. Import and export data.
- 755 Graphics/Web Page Design 1 CREDIT LEVEL 3
Learn to create newsletters, brochures, and bulletins. Learn about layout and design and applying templates to a publication. Using HTML, learn hands-on to plan and design web pages. Learn to format the document and add links, color, and graphics. Publish your web pages.



FINE ARTS

- 814 Art 1 – Studio 1 CREDIT LEVEL 3
A first year, major class in Art, which will present drawing, painting, and design projects. Students considering this course should possess fundamental artistic skills.
Pre-requisite: Students must submit an example of their work for Departmental Approval.
- 824 Art 2 – Studio 1 CREDIT LEVEL 3
This course is a continuation of Art 1 –Studio with more emphasis on self-expression and interpretation of various projects. Pre-requisite: Art 1-Studio and Departmental Approval
- 830 CP Theater Arts 1 CREDIT LEVEL 3
This integrated course introduces various elements of theater production. Extensive performance experiences are supplemented with a study of the pre-production and “backstage” roles of sound, lighting, scripting, directing, and stage management – everything necessary to bring the script from the page to the stage.
- 834 Art 3 – Studio 1 CREDIT LEVEL 3
A major elective for select Senior students who have completed Art 1-Studio and have shown a superior level of interest and ability. Course may be taken individually or concurrently with Art 2-Studio. Departmental approval required.
- 840 Theater Arts 2 1 CREDIT LEVEL 3
This course will explore and apply techniques for advanced acting and directing and introduce skills for design in order to mount student directed productions. Students will increase their ability to express themselves artistically and communicate effectively. They will have a working understanding of the major principles of acting styles and techniques and of theater history. Prerequisite: Theater Arts I
- 860 Journalism 1/Publishing 1 CREDIT LEVEL 3
This course will prepare students to publish the school newspaper, yearbook, and literary magazine. Extensive writing and hands-on experience with publishing programs are supplemented with study of basic theory to facilitate students interested in careers in journalism. Students considering this course should possess strong writing and grammar skills. Students will learn current principles of journalism and related topics including history of American media, interviewing, news writing, basic design and layout, ethical and legal responsibilities. Departmental approval required.
- 865 Journalism 2/Publishing 1 CREDIT LEVEL 3
This course will prepare experienced Journalism students to supervise design, editing, and publication of the school newspaper, yearbook, and literary magazine. Extensive writing, editing, and hands-on experiences with publishing programs are supplemented with study of advanced principles and theory to facilitate students interested in careers in journalism. Students will study various topics including staff organization, advanced interviewing and news writing, in-depth reporting, advanced design layout, editing, public relations, business and advertising, ethical and legal responsibilities.
Pre-requisite: Successful completion of Journalism 1 and departmental approval.

MINOR COURSES

THEOLOGY

- 150 Special Topics in Theology Seminar CREDIT 0.25
This minor course is designed to allow our students and faculty the opportunity for cross-curricular or departmental study of contemporary and historic issues in Theology. Course title and content to be announced.
- 159 Sport and Spirituality CREDIT 0.25
A study of the connection between the Catholic faith and today's modern sports world. Topics include: Church teaching on Sport, Professional Sports, Recreational Activities, The Sabbath, Media Portrayal of Sport and Religion.

ENGLISH

- 250 Film History CREDIT 0.25
Students will explore a history of film media from silent movies to extravaganza to current techno-animation.
- 251 Creative Writing CREDIT 0.25
Students will write and create poetry, short fiction, and short dramatic works. A special Students will write and create poetry, short fiction, and short dramatic works. A special
- 253 Existential Literature and Film CREDIT 0.25
Existentialism is a widely influential philosophy in the western world. Yet, in common circles, little is known about the ideas that shaped it and how it influences the present day. This course will investigate the literary roots of Existentialism in Christian literature and follow its progress through the 20th century. The course will involve studying short works of Dostoevsky, Kafka, and others. The literature will be balanced by an investigation into manifestations of Existentialism in films by Bergman, Clouzot, Pinter, and Bolt.

SCIENCE

- 515 American Sign Language CREDIT 0.25
Learn the fundamentals – and the fun of – “signing” to communicate with the hearing impaired to the profoundly deaf.
- 555 Introduction to Forensic Chemistry CREDIT 0.25
This course provides an introduction to the application of chemistry to criminal investigations. It is an opportunity to learn some fundamental principles of chemistry and biochemistry as they are applied to the examination of physical evidence from crime scenes. Case studies will be presented which reflect the application of particular forensic techniques. Pre-requisite: 80% average in H or CP Chemistry.

- 556 Science in Motion Pictures CREDIT 0.25
Science fiction has always been a staple of motion pictures. It can be described as a branch of movies in which scientific discoveries and developments form elements of a plot. It is based on future prediction of scientific possibilities, some of which have become facts. This class will use the excitement and fun atmosphere of the science fiction movies to teach 10 different disciplines in science. Lessons in the class are designed to help students translate science fiction into science fact. Students are instructed to use science as a vehicle for comprehension of humankind and the world in general.

INFORMATION TECHNOLOGY

- 771 Personal Computer Applications CREDIT 0.25
A lab-oriented course designed to introduce students to Windows-based word processing, spreadsheet, PowerPoint, and Internet search activities applicable to their academic work at Central Catholic and in their undergraduate college/university study.
N.B. Integration with other 9th grade courses makes this a required course for all Freshmen at ACCHS.

FINE ARTS

- 810 Music Appreciation CREDIT 0.25
A minor requirement for Sophomore students. This year's course presents select topics of art appreciation and music appreciation.
- 820 Art Studio CREDIT 0.25
A minor elective, this course presents selective studio experiences, allowing students to complement their major art course work. Pre-requisite: Current enrollment in Art 1 or Art 2-Studio or departmental approval.
- 825 A Stitch in Time CREDIT 0.25
Introductory hand sewing. Students will learn survival hand sewing techniques in hemming, mending, and button replacement as well as fundamental stitches of embroidery, knitting, crocheting, and quilting. Students will be assessed on quality of workmanship.
- 832 Communication Thru Drama CREDIT 0.25
Through a series of hands-on activities, students explore the means and methods of communication using drama techniques and applications.
- 836 Debate and Public Speaking CREDIT 0.25
Students learn and practice public speaking techniques and principles. They also present many different types of speeches, including debate. Class includes writing, researching and presenting topics to classmates.
- 853 Jazz History CREDIT 0.25
From ragtime to avant-garde, this class will provide a comprehensive background on jazz from its roots in European and African traditions to its influences in current popular music styles. All periods of development and influential composers and performers will be covered.
- 854 Jazz Improvisation CREDIT 0.25
In this performance-based class, students will focus on improvisation over standard jazz forms, and will also build a repertoire of standard jazz pieces performed consistently at jam sessions and gigs.
Pre-Requisite: Experience on a musical instrument.

- 855 Applied Music: Instrumental CREDIT 0.25
 This class will incorporate small group lessons on technique and style, while providing the students with a chance to practice and rehearse band repertoire.
 Pre-Requisite: Students must participate in concert, and/or marching band.
- 856 Applied Music: Vocal CREDIT 0.25
 This activity scheduled during the school day is designed for students in grades 9 through 12 who enjoy singing. Its purpose is to study basic vocal techniques, and to train the voice through an experience of proper breathing, tone production, articulation, phrasing, and tasteful stylistic interpretation. Materials selected for each year's repertory include representative literature from a variety of choral styles.
 Membership in this course enables the students to participate in the Christmas/Spring Concerts, Spring Musicale, and the annual Music Department trip. Regular after school rehearsals will be required once a week for sectional ensemble practice and preparation for concerts. Offered only when master schedule permits.
- 857 Music Critique CREDIT 0.25
 Through a brief but comprehensive background of history and theory (no pre-requisite required), students will learn to develop a critique of music in a range of styles from classical to popular. After forming original opinions on music, students will defend these opinions using critical materials and concepts covered in class.
- 858 Music Theory I CREDIT 0.25
 This course is a study in the basics of the language of music. Students will learn to read, write, and understand basic tonal melodic and harmonic syntax through exploration of counterpoint and 4-part harmonic-melodic writing. Basic jazz theory will be covered and compared to early classical theory.
- 859 Music Theory II CREDIT 0.25
 As a continuation in the study of both classical and jazz theory, students will explore the more complicated and involved harmonic-melodic relationships of the 19th and 20th centuries. Students will concentrate on romantic and contemporary techniques in classical theory, and will explore post-bebop jazz theory.
- 862 Graphics/Photography CREDIT 0.25
 Students taking this course will provide visual material for school publications. Elements of graphic design, photojournalism, and film processing will introduce students to the non-writing production aspects of publishing.
- 864 Broadcast Journalism CREDIT 0.25
 An introduction to broadcasting utilizing lecture, discussion, taped broadcast and video. This hands-on course will combine principles, theory, and ideology with practical application for broadcasts with an emphasis on individual writing. This course supports CCB production. Enrollment is limited.

N. B. Except for required Minor Courses (Health, PE, PC Applications, and Music Appreciation), academic minor courses are offered only when instructors, time, and space permit.

PHYSICAL EDUCATION

- 942 Ballroom Dancing CREDIT 0.25
Students will learn the foundations of the most popular social dances and will enjoy skills to last a lifetime. Partners are rotated in the class to improve each member's ability to lead and follow. Through dancing, students will achieve a boost in self-confidence, an increase in balance and an improvement in posture. The class will help students enhance their cardiovascular health, meet new people, and develop social skills.
- 944/945 Physical Education CREDIT 0.15
Required minor course for all students, grades 9 –12. The program is part of the total process of education that utilizes games, sports, and other activities to assist in the individuals' social, mental, physical, emotional and spiritual development. The goal is to have the students maintain and incorporate this knowledge into their lifestyles now and in the future.

HEALTH EDUCATION

Two planned courses in Health Education are required minors for all students. The purpose of the course is to provide health information in such a way that it influences the students to take positive action about their health.

- 923 Health Education I CREDIT 0.25
Primary focus: Getting along with yourself and others, drugs in our society, and current health issues.
- 924 Health Education II CREDIT 0.25
Primary focus: Nutrition, fitness, weight control, family and social health, and anatomy.

VOCATIONAL-TECHNICAL PROGRAM

The Vocational-Technical School is an extension of Allentown Central Catholic High School. The various programs offered are an integral part of the curriculum of Central. Students who take the vocational-technical program continue to take their required academic subjects and physical education at Central during one-half of the school day and attend the Vocational-Technical School the other half-day for their specialized vocational-technical program.

Diplomas awarded at graduation are given by Allentown Central Catholic High School. However, the Vocational-Technical School does present a certificate to each graduating student who has successfully met vocational-technical standards. This certificate describes, for any future employer, the type and amount of instruction received by the student while enrolled at the Vocational-Technical School.

Juniors and Seniors wishing to elect Vocational-Technical School may ask for the special course description booklet in the Guidance Office. All vocational-technical students must arrange their schedules with the assistance of their Guidance Counselor and the Studies Director.

CLASS RANK/QUALITY POINTS/GPA



Class rank defines a student's position in his/her class in relation to all other students in that class. The rank is determined by a Grade Point Average (GPA), which generates from the quality points calculated for achievement in each major course a student completes. Major courses are weighted according to degree of difficulty, on a scale of 1 to 4; the more challenging the course, the more quality points are earned.

Level 1 courses at Allentown Central Catholic High School include AP courses; Level 2 Honors courses; Level 3, most CP courses; Level 4, a few, paced-down CP Courses.

The Quality Point Conversion chart on the next page indicates a Diocesan Standard for Achievement of grades at different levels. GPA is cumulative and becomes available, with class rank, to colleges upon a student's application. Class rank and GPA, along with standardized test scores and teacher recommendations, become predictors for success in post-secondary education.

**ALLENTOWN CENTRAL CATHOLIC HIGH SCHOOL
QUALITY POINT TABLE - CORRESPONDING TO
CURRICULUM LEVEL**

GRADE	LEVEL 1 (AP)	LEVEL 2 (H)	LEVEL 3 (CP)	LEVEL 4 (CP)
100	4.80	4.40	4.00	3.60
99	4.72	4.32	3.92	3.52
98	4.64	4.24	3.84	3.44
97	4.56	4.16	3.76	3.36
96	4.48	4.08	3.68	3.28
95	4.40	4.00	3.60	3.20
94	4.32	3.92	3.52	3.12
93	4.24	3.84	3.44	3.04
92	4.16	3.76	3.36	2.96
91	4.08	3.68	3.28	2.88
90	4.00	3.60	3.20	2.80
89	3.92	3.52	3.12	2.72
88	3.84	3.44	3.04	2.64
87	3.76	3.36	2.96	2.56
86	3.68	3.28	2.88	2.48
85	3.60	3.20	2.80	2.40
84	3.52	3.12	2.72	2.32
83	3.44	3.04	2.64	2.24
82	3.36	2.96	2.56	2.16
81	3.28	2.88	2.48	2.08
80	3.20	2.80	2.40	2.00
79	3.12	2.72	2.32	1.92
78	3.04	2.64	2.24	1.84
77	2.96	2.56	2.16	1.76
76	2.88	2.48	2.08	1.68
75	2.80	2.40	2.00	1.60
74	2.72	2.32	1.92	1.52
73	2.64	2.24	1.84	1.44
72	2.56	2.16	1.76	1.36
71	2.48	2.08	1.68	1.28
70	2.40	2.00	1.60	1.20
F	0.00	0.00	0.00	0.00

FOUR-YEAR PLANNING WORKSHEET

Ninth Grade Schedule

1.
2.
3.
4.
5.
6.
Minors:

TOTAL 9TH GRADE CREDITS:

Tenth Grade Schedule

1.
2.
3.
4.
5.
6.
Minors:

TOTAL 10TH GRADE CREDITS:

Eleventh Grade Schedule

1.
2.
3.
4.
5.
6.
Minors:

TOTAL 11TH GRADE CREDITS:

Twelfth Grade Schedule

1.
2.
3.
4.
5.
6.
Minors:

TOTAL 12TH GRADE CREDITS:



<p style="margin: 0;">TOTAL CREDITS FOR</p> <p style="margin: 0;">9TH-12TH GRADE <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
