



**COURSE DESCRIPTIONS: THEOLOGY**

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|--------------------------------------|-------------------|--|
| Academic Department: <b>THEOLOGY</b> |                   | <b>Course Description:</b>   |
| Course Information:                  |                   | <p>Semester 1:<br/><i>The Revelation of Jesus Christ in Scripture:</i> This course helps students understand the Sacred Scriptures. The Bible is the word of God where they encounter the living Word of God, Jesus Christ. Students will learn about the Bible, its development and content, and how God is its author. Students focus on the Gospels, where they grow to know and love Jesus more personally.</p> <p>Semester 2:<br/><i>Who is Jesus Christ?:</i> This course helps students understand the person and message of Jesus Christ. He is the living Word of God, the Second Person of the Blessed Trinity. He is the ultimate Revelation about God, from God. Students penetrate the mystery of the person of Jesus and who he called them to be.</p> |
| Course Title                         | Theology I        |  |
| Course Number(s)                     | CE1121            |  |
| Track(s)                             | College Prep (CP) |  |
| Grade Level                          | 9th               |  |
| Credits                              | 1.0               |  |

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| Academic Department: <b>THEOLOGY</b> |                   | <b>Course Description:</b>  |
| Course Information:                  |                   | <p>Semester 1:<br/><i>The Mission of Jesus Christ (The Paschal Mystery):</i> This course helps students understand all that God has done for humanity through his Son, Jesus Christ. God has planned, from all eternity, for human beings to share everlasting happiness with him. This is accomplished only through redemption in Christ. Students inquire about the meaning of being a disciple of Christ.</p> <p>Semester 2:<br/><i>Jesus Christ's Mission Continues in the Church:</i> This course helps students understand that they encounter the living Jesus Christ in and through the Church. The Church was founded by Christ through the Apostles. It is sustained by him through the Holy Spirit. The Church is the living Body of Christ. Students explore the Church as a mystery that has both human and divine elements.</p> |
| Course Title                         | Theology II       |   |
| Course Number(s)                     | CE1221            |   |
| Track(s)                             | College Prep (CP) |   |
| Grade Level                          | 10th              |   |
| Credits                              | 1.0               |   |



| Academic Department: <b>THEOLOGY</b> |                   | <b>Course Description:</b>   |
|--------------------------------------|-------------------|--|
| Course Information:                  |                   | <p>Semester 1:<br/><u><i>Sacraments as Privileged Encounters with Jesus Christ:</i></u> This course helps students understand that they can meet Christ today in and through the sacraments. Each sacrament, particularly the Eucharist, is a means to a full and real encounter with Christ. Students examine each sacrament in detail so as to learn how they may encounter Christ throughout life.</p> <p>Semester 2:<br/><u><i>Life in Jesus Christ:</i></u> This course helps students understand moral life. Only in Christ can human beings discover the fullness of life. Christ's disciples follow and adhere to the moral concepts and precepts of Christ and his Church. Students probe these moral teachings and reflect upon their implications</p> |
| Course Title                         | Theology III      |  |
| Course Number(s)                     | CE1321            |  |
| Track(s)                             | College Prep (CP) |  |
| Grade Level                          | 11th              |  |
| Credits                              | 1.0               |  |

| Academic Department: <b>THEOLOGY</b> |                   | <b>Course Description:</b>  |
|--------------------------------------|-------------------|---|
| Course Information:                  |                   | <p>Semester 1: <u><i>Ecumenical and Interreligious Issues:</i></u> The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelations, students will recognize the ways in which important spiritual truths can also be found in non-Catholic churches as well as in non-Christian religions. It is also intended to help them recognize the ways in which other systems of belief and practice differ from the Catholic faith.</p> <p>Semester 2: <u><i>Sacred Scripture:</i></u> The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Every effort is made to project a sense of the unity of the narrative for the divine plan of salvation, the presence of God's action in this record of his Revelation, and his desire to share his merciful love with us. All scripture is inspired by God and is useful for teaching, for refutation, for correction, and for training in righteousness, so that one who belongs to God may be competent, equipped for every good work. (2 Tm 3:14-17)</p> |
| Course Title                         | Theology IV       |   |
| Course Number(s)                     | CE1421            |   |
| Track(s)                             | College Prep (CP) |   |
| Grade Level                          | 12th              |   |
| Credits                              | 1.0               |   |



**COURSE DESCRIPTIONS: ENGLISH/LANGUAGE ARTS**

| Academic Department: <b>English Language Arts (ELA)</b> |                                | <b>Course Description:</b>  |
|---|--------------------------------|---|
| Course Information:                                     |                                | <p>English Language Arts I is a required course for all ninth grade students. Based on the National Common Core Standards, this course provides students with the skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.</p> <p>Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Using the full writing process, students will learn how to produce and distribute quality writing to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various literary Genre studies.</p> |
| Course Title  | ELA I                          |   |
| Course Number(s)  | CE2131/CE2121/CE2111           |   |
| Track(s)  | Academic, College Prep, Honors |   |
| Grade Level   | 9th                            |   |
| Credits   | 1.0                            |   |



| Academic Department: <b>English Language Arts (ELA)</b> |                     | <b>Course Description:</b>  |
|---|---------------------|---|
| Course Information:                                     |                     | <p>A required course for all tenth grade students. Based on the National Common Core Standards, this course provides students with the skills and knowledge to become advanced critical readers and writers by analyzing multiple themes, interpretations, and details, craft and structure, and the integration of knowledge and ideas in literature and informational text.</p> <p>○ Reinforcing and expanding the writing objectives of the freshman year, this course will develop the student’s writing skills by examining text types and purposes. Students will write arguments to support claims in an analysis of substantive topics. Student will write explanatory/informational texts to examine and convey complex ideas. Students will learn how to produce and distribute quality writing using technology’s capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations. This course will further advance students’ knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in World and British Literature.</p> |
| Course Title  | ELA II              |   |
| Course Number(s)  | CE2221/CE2211       |   |
| Track(s)  | College Prep/Honors |   |
| Grade Level   | 10th                |   |
| Credits   | 1.0                 |   |

| Academic Department: <b>English Language Arts (ELA)</b> |                     | <b>Course Description:</b>  |
|---|---------------------|---|
| Course Information:                                     |                     | <p>English Language Arts III is a required course for all eleventh grade students. Based on the National Common Core Standards, this course will develop the student’s writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Students will learn how to produce and distribute quality writing using technology’s capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students’ knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in American studies.</p> |
| Course Title  | ELA III             |   |
| Course Number(s)  | CE2321/CE2311       |   |
| Track(s)  | College Prep/Honors |   |
| Grade Level   | 11th                |   |
| Credits   | 1.0                 |   |



| Academic Department: <b>English Language Arts (ELA)</b> |                           | <b>Course Description:</b>   |
|---|---------------------------|--|
| Course Information:                                     |                           | <p>Advanced Placement English Language is designed for students who wish to earn college credits in English while still in secondary school. The course is designed for students who are interested in studying and writing using various rhetorical strategies and devices in preparation for effective literature and writing courses in college. Extensive reading, discussions and analysis of non-fiction writers are important components of this course. Additionally, preparation for the Advanced Placement exam will be provided throughout the course. All students rostered for this class are required to pay for and take the AP exam.</p> <p><b>Prerequisites:</b> All of the following criteria will be taken into consideration when determining class placement:</p> <ul style="list-style-type: none"><li>● 93 or higher in Honors ELA II</li><li>● Cumulative class rank</li><li>● Renaissance STAR Assessment scores</li><li>● Teacher Recommendation/Dept. Chair approval</li><li>● Students must also sit for a writing sample.</li></ul> |
| Course Title  | AP Language & Composition |  |
| Course Number(s)  | CE2351                    |  |
| Track(s)  | Advanced Placement (AP)   |  |
| Grade Level   | 11th                      |  |
| Credits   | 1.0                       |  |

| Academic Department: <b>English Language Arts (ELA)</b> |                     | <b>Course Description:</b>  |
|---|---------------------|---|
| Course Information:                                     |                     | <p>English Language Arts IV is a required course for all 12th grade students. Reinforcing and expanding the writing objectives of the junior year, this course will develop the student's writing skills by examining text types and purposes and by writing arguments to support claims in an analysis of substantive topics or texts. Students will write explanatory/informational texts to examine and convey complex ideas, and will write narratives to develop real or imagined experiences or events. Students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct sustained research projects and will participate in a range of collaborative discussions and presentations integrating multiple sources of information. This course will further advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. This course is supported through various selections in Contemporary American Literature, World Literature, and British Literature.</p> |
| Course Title  | ELA IV              |   |
| Course Number(s)  | CE2421/CE2411       |   |
| Track(s)  | College Prep/Honors |   |
| Grade Level   | 12th                |   |
| Credits   | 1.0                 |   |



| Academic Department: <b>English Language Arts (ELA)</b> |                             | <b>Course Description:</b>   |
|---|-----------------------------|--|
| Course Information:                                     |                             | <p>Advanced Placement English Literature is designed for students who wish to earn college credits in English while still in secondary school. Students are involved in both the study and practice of writing and the study of literature. Writing assignments focus on the critical analysis of literature and include essays in exposition and persuasion. With the desired goal of honest, effective use of language and the organization of ideas in a clear, coherent, and persuasive way, students study and write in response to several representative works from various genres and periods.</p> <p><b>Prerequisites:</b> AP Language and Teacher Recommendation.<br/><b>*Prerequisite/considerations for Honors ELA III student to request AP Literature as a senior:</b><br/>95 or higher in H. ELA III; Teacher recommendation; writing sample; Renaissance STAR Assessment scores; AP Teacher and/or Dept. Chair approval.</p> |
| Course Title  | AP Literature & Composition |  |
| Course Number(s)  | CE2451                      |  |
| Track(s)  | Advanced Placement (AP)     |  |
| Grade Level   | 12th                        |  |
| Credits   | 1.0                         |  |

| Academic Department: <b>English Language Arts (ELA)</b> |                               | <b>Course Description:</b>   |
|---|-------------------------------|--|
| Course Information:                                     |                               | <p>A multi-faceted course that includes project-based learning, public speaking, creative writing, informative writing, and multimedia presentations. This course requires students to research, compose, edit, produce, present and evaluate multimedia presentations and major projects, both individually and in groups. Students will use and demonstrate a variety of skills in order to research, compose, produce, develop, edit, present and evaluate these projects. This course may also include aspects of publications, journalism, photography, and collaboration with putting together the yearbook.</p> |
| Course Title  | Communications & Publications |  |
| Course Number(s)  |                               |  |
| Track(s)  | College Prep or Honors        |  |
| Grade Level   | 11th-12th                     |  |
| Credits   | 1.0                           |  |



**COURSE DESCRIPTION: MATHEMATICS**

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|---|------------------------------|--|
| Academic Department: <b>MATHEMATICS</b> |                              | <b>Course Description:</b>   |
| Course Information:                     |                              | <p>Based on the National Common Core Standards, students taking Algebra I will examine structure in equations, will perform arithmetic with polynomials, and will create equations that describe numbers or relationships. Students will reason with equations and inequalities abstractly and quantitatively, will solve systems of equations and will represent and solve equations and inequalities graphically. Students will construct viable arguments for their reasoning and critique the reasoning of others.</p> <ul style="list-style-type: none"> <li>● <u>A graphing calculator is required.</u></li> </ul> |
| Course Title                            | Algebra I                    |  |
| Course Number(s)                        | CE4131/CE4121/CE4111         |  |
| Track(s)                                | Academic/College Prep/Honors |  |
| Grade Level                             | 9th                          |  |
| Credits                                 | 1.0                          |  |

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| Academic Department: <b>MATHEMATICS</b> |                              | <b>Course Description:</b>   |
| Course Information:                     |                              | <p>Based on the National Common Core Standards, students taking Algebra II will interpret and build functions; analyze functions using various representations; construct and compare linear and polynomial models; and solve problems. Abstract and quantitative reasoning; construction of viable arguments; and critique reasoning of others will also be instructed.</p> <ul style="list-style-type: none"> <li>● <u>A graphing calculator is required.</u></li> <li>● <b><i>Prerequisite for H. Algebra II:</i></b> H. Algebra I and departmental approval</li> <li>● <b><i>Freshmen with exceptional results in Alg. I in 8th Grade may request Alg. II.</i></b></li> <li>● <b><i>Department approval is required for sophomores who wish to take this course concurrently with Geometry (aka "Double Math").</i></b></li> </ul> |
| Course Title                            | Algebra II                   |  |
| Course Number(s)                        | CE4231/CE4221/CE4211         |  |
| Track(s)                                | Academic/College Prep/Honors |  |
| Grade Level(s)                          | 9-11                         |  |
| Credits                                 | 1.0                          |  |



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|---|------------------------------|--|
| Academic Department: <b>MATHEMATICS</b> |                              | <b>Course Description:</b>   |
| Course Information:                     |                              | <p>Based on the National Common Core Standards, students taking Geometry will experiment with transformations in the plane, will prove geometric theorems, and will make geometric constructions. Students will understand similarity, right triangles, and trigonometric ratios. Students will understand and apply theorems about circles, will express geometric properties with equations, and will use geometric measurement and dimension to solve problems. Students will reason abstractly and quantitatively and will construct viable arguments and critique the reasoning of others.</p> <ul style="list-style-type: none"> <li>● <b>Prerequisite for H. Geometry:</b> H. Algebra I or departmental approval</li> </ul> |
| Course Title                            | Geometry                     |  |
| Course Number(s)                        | CE4331/CE4321/CE4311         |  |
| Track(s)                                | Academic/College Prep/Honors |  |
| Grade Level(s)                          | 9-11                         |  |
| Credits                                 | 1.0                          |  |

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|---|---------------------------|---|
| Academic Department: <b>MATHEMATICS</b> |                           | <b>Course Description:</b>  |
| Course Information:                     |                           | <p>An in-depth study of topics introduced in Algebra 2 is undertaken and new advanced mathematical concepts are studied. Polynomial, rational, exponential, logarithmic, trigonometric and other classes of functions are analyzed numerically, algebraically and graphically. The curves of trigonometry, trigonometric equations and applications, triangle trigonometry and advanced functions and graphing are studied. Students will engage in trigonometric functions, modeling periodic phenomena with trigonometric functions, and will prove and apply trigonometric identities. Data analysis, statistics, and discrete mathematics are explored. Mathematical modeling and applications are emphasized.</p> <ul style="list-style-type: none"> <li>● <u>A graphing calculator required.</u></li> <li>● <b>Pre-requisites: Algebra I &amp; II and Geometry</b></li> </ul> |
| Course Title                            | Trigonometry/Pre-Calculus |   |
| Course Number(s)                        | CE4421/CE4411             |   |
| Track(s)                                | College Prep/Honors       |   |
| Grade Level(s)                          | 11-12                     |   |
| Credits                                 | 1.0                       |   |





| Academic Department: <b>MATHEMATICS</b> |              | <b>Course Description:</b>   |
|---|--------------|--|
| Course Information:                     |              | <p>This course is designed to acquaint students with the general theories of trigonometry and analytic geometry. Building upon the student's knowledge of right triangle trigonometry, students will learn to convert from degrees to radians, understand and use the unit circle, find trigonometric functions and inverse trigonometric functions of given angles, graph trigonometric functions, solve equations using trigonometric identities, apply the laws of sine and cosine, and apply trigonometric formulas to real world problems.</p> <ul style="list-style-type: none"><li>● <u>A graphing calculator is required.</u></li><li>● <i>Pre-requisites: Algebra I &amp; II and Geometry</i></li></ul> |
| Course Title                            | Trigonometry |  |
| Course Number(s)                        | CE4431       |  |
| Track(s)                                | Academic     |  |
| Grade Level(s)                          | 12           |  |
| Credits                                 | 1.0          |  |

| Academic Department: <b>MATHEMATICS</b> |                   | <b>Course Description:</b>  |
|---|-------------------|---|
| Course Information:                     |                   | <p>Building upon prior knowledge of math concepts from other courses, this course will take a step-by-step approach through strategies to help students learn the time value of money, how to build a business plan by knowing costs, profits, and break-even points, and how to evaluate contracts. This course will cover six financial umbrellas: Investing, Banking, Credit, Income Taxes, Insurance, and Household budgeting. This course will strengthen the student's algebra mechanics and problem-solving skills, while touching upon selected advanced mathematical topics, such as piecewise functions, regression, limits, exponential functions, linear/quadratic systems, and more.</p> <ul style="list-style-type: none"><li>● <u>A graphing calculator is required for this course.</u></li><li>● <i>Pre-requisites: Algebra I and Algebra II</i></li></ul> |
| Course Title                            | Financial Algebra |   |
| Course Number(s)                        | CE4721            |   |
| Track(s)                                | College Prep      |   |
| Grade Level(s)                          | 12                |   |
| Credits                                 | 1.0               |   |



| Academic Department: <b>MATHEMATICS</b> |                     | <b>Course Description:</b>  |
|---|---------------------|---|
| Course Information:                     |                     | <p>This course is designed to be an introduction to statistics. Descriptive statistics, probability, discrete probability distributions, and normal probability distributions will be covered. Additional topics of correlations and regression equations will also be examined.</p> <ul style="list-style-type: none"><li>● <u>A graphing calculator is required.</u></li><li>● <b><i>Pre-requisites: Algebra I and II and Geometry; departmental approval</i></b></li></ul> |
| Course Title                            | Statistics          |   |
| Course Number(s)                        | CE4621/CE4611       |   |
| Track(s)                                | College Prep/Honors |   |
| Grade Level(s)                          | 12th                |   |
| Credits                                 | 1.0                 |   |

| Academic Department: <b>MATHEMATICS</b> |          | <b>Course Description:</b>   |
|---|----------|--|
| Course Information:                     |          | <p>This course is designed for the student who has followed the Academic program in Mathematics. The course covers topics in Analytic Geometry and Calculus including the Limit, Continuous Functions, Derivatives and Integrals of Polynomial Functions, Algebraic Functions, and Trigonometric Functions. Students will use the graphing calculator to explore certain topics in the course of study.</p> <ul style="list-style-type: none"><li>● <u>A graphing calculator is required.</u></li><li>● <b><i>Pre-requisites: Algebra I, Algebra II, Geometry, and Trig/PreCalculus.</i></b></li><li>● <b><i>Teacher recommendation/Dept. Approval</i></b></li></ul> |
| Course Title                            | Calculus |  |
| Course Number(s)                        | CE4451   |  |
| Track(s)                                | Honors   |  |
| Grade Level(s)                          | 12th     |  |
| Credits                                 | 1.0      |  |



| Academic Department: <b>MATHEMATICS</b> |                         | Course Description:   |
|---|-------------------------|---|
| Course Information:                     |                         | <p>This Advanced Placement course adheres to the guidelines for the Calculus AB level mandated by the College Board and culminates in the students taking the Advanced Placement Calculus Exam offered by the College Board in May for college credit. The course includes a rigorous study of the differential and integral calculus with applications, including limits, continuity, maxima and minima, optimization, with some advanced techniques of differentiation and integration. Students are required to take the College Board exam. <u>A graphing calculator is required.</u> Students are required to take the AP Examination regardless of the course grade.</p> <ul style="list-style-type: none"><li>● <b><i>Pre-requisites: H. Trig/Precalculus, placement test, and Teacher recommendation.</i></b></li></ul> |
| Course Title                            | AP Calculus AB          |   |
| Course Number(s)                        | CE4551                  |   |
| Track(s)                                | Advanced Placement (AP) |   |
| Grade Level(s)                          | 12th                    |   |
| Credits                                 | 1.0                     |   |

| Academic Department: <b>MATHEMATICS</b> |                         | Course Description:  |
|---|-------------------------|--|
| Course Information:                     |                         | <p>AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.</p> <ul style="list-style-type: none"><li>● <u>A graphing calculator is required for this course.</u></li><li>● <b><i>Pre-requisites: AP Calculus AB</i></b></li></ul> |
| Course Title                            | AP Calculus BC          |  |
| Course Number(s)                        | CE4561                  |  |
| Track(s)                                | Advanced Placement (AP) |  |
| Grade Level(s)                          | 12th                    |  |
| Credits                                 | 1.0                     |  |



**COURSE DESCRIPTIONS: SCIENCE**

|                                     |         |   |
|-------------------------------------|---------|---|
| Academic Department: <b>SCIENCE</b> |         | <b>Course Description:</b>  |
| Course Information:                 |         | <p>This course develops five biological themes: interaction, evolution of life processes, energy utilization, regulation, and coordination. Laboratory investigations are incorporated to stimulate inquiry or to develop critical thinking. Recognizing the universal relationship of structure and function on all levels of complexity and emphasizing the fundamental unity in the diversity of all life forms, Honors Biology pursues the study of: biological molecules; cellular structure and function; Mendelian and molecular genetics; and the three domain classifications including botany and zoology. Emphasis is placed on strengthening the abilities to organize, interpret, and communicate data gathered in research that prepares students for further scientific endeavors.</p> <ul style="list-style-type: none"> <li>● <b>Lab included/required once per week.</b></li> </ul> |
| Course Title                        | Biology |   |
| Course Number(s)                    | CE5111  |   |
| Track(s)                            | Honors  |   |
| Grade Level(s)                      | 9th     |   |
| Credits                             | 1.0     |   |

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| Academic Department: <b>SCIENCE</b> |                   | <b>Course Description:</b>   |
| Course Information:                 |                   | <p>Designed to challenge the college bound student, this course, by means of scientific inquiries, guides the students toward a thorough understanding of the following biological topics: plant and animal systems energy, biological molecules, evolution, genetics, cell biology and ecology.</p> |
| Course Title                        | Biology           |  |
| Course Number(s)                    | CE5121            |  |
| Track(s)                            | College Prep (CP) |  |
| Grade Level(s)                      | 9th               |  |
| Credits                             | 1.0               |  |



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| Academic Department: <i>SCIENCE</i> |                         | <b>Course Description:</b>   |
| Course Information:                 |                         | <p>This course will take two periods on the student's roster (one for instruction, one for lab). This option will have an overwhelming effect on a student's other course requests, as this course will be given top priority. Advanced Placement Biology is designed to challenge the above-average student who is interested in gaining advanced placement credit for biology. The course outline may be found in the Advanced Placement Biology Guide as published by the College Board. Topics include: cell biology, molecular biology, molecular evolution, botany, zoology, ecology and classification.</p> <p><b>NOTE: Students must have teacher recommendation and completion of Chemistry, Biology, and Algebra I &amp; II.</b></p> |
| Course Title                        | AP Biology (with Lab)   |  |
| Course Number(s)                    | CE5460                  |  |
| Track(s)                            | Advanced Placement (AP) |  |
| Grade Level                         | 11-12                   |  |
| Credits                             | 1.0                     |  |

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| Academic Department: <b>SCIENCE</b> |           | <b>Course Description:</b>   |
| Course Information:                 |           | <p>This course provides an enriched chemistry program for the college bound student and for those in honors courses. Chemical principles and concepts are developed through a lab- oriented approach. Special attention is given to the development of problem solving, understanding and skills, which provide a foundation for students who hope to pursue careers in science.</p> <ul style="list-style-type: none"> <li>● <b>Prerequisite: H. Algebra I (80+ avg.) or CP Algebra I (90+ avg.) with Dept. Approval</b></li> <li>● <b>Honors Biology (85+ avg.) or CP Biology (90+ avg.) with Dept. Approval</b></li> <li>● <b>Lab included/required once per week.</b></li> </ul> |
| Course Title                        | Chemistry |  |
| Course Number(s)                    | CE5211    |  |
| Track(s)                            | Honors    |  |
| Grade Level(s)                      | 10th      |  |
| Credits                             | 1.0       |  |



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| Academic Department: <b>SCIENCE</b> |                   | <b>Course Description:</b><br><br>This course is designed to provide an overview of chemical principles for the average, college bound student. Topics studied include the properties and classification of matter, atomic structure, stoichiometry, chemical bonding, chemical reactions, and an introduction to organic chemistry. An emphasis is placed on developing problem-solving skills. Laboratory experiments are conducted to demonstrate and reinforce important principles and concepts. |
| Course Information:                 |                   |   |
| Course Title                        | Chemistry         |   |
| Course Number(s)                    | CE5221            |   |
| Track(s)                            | College Prep (CP) |   |
| Grade Level(s)                      | 10th              |   |
| Credits                             | 1.0               |   |

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| Academic Department: <b>SCIENCE</b> |         | <b>Course Description:</b><br><br>This course is algebra-based and provides the basic principles of physics and applies these concepts to global phenomena. Honors Physics is intended for college bound students who are planning to major in science, engineering, or medicine. Class time is generally devoted to lecture, problem solving, hands-on experiments, computer labs and class demonstrations. Reading of the textbook, problem solving and laboratory data interpretation are assigned as out of class activities. Topics include light, motion, heat, electricity, and magnetism.<br><br><ul style="list-style-type: none"> <li>• <i>Prerequisite: Departmental approval and two years of Honors Math with grade no lower than an 80 and Honors Chemistry.</i></li> <li>• <b>Lab included/required once per week.</b></li> </ul> |
| Course Information:                 |         |  |
| Course Title                        | Physics |  |
| Course Number(s)                    | CE5311  |  |
| Track(s)                            | Honors  |  |
| Grade Level(s)                      | 11th    |  |
| Credits                             | 1.0     |  |

|                                     |                   |  |
|-------------------------------------|-------------------|--|
| Academic Department: <b>SCIENCE</b> |                   | <b>Course Description:</b><br><br>Conceptual Physics is based more on the concepts of physics as opposed to the more math-oriented Honors Physics course. Topics include light, motion, heat, electricity, and magnetism. This course in physics is designed for the average ability student who desires a background in physics for further technical school, college or other career-related education. Basic algebra and geometry are used to a significant extent. A laboratory component is integral to the course. |
| Course Information:                 |                   |  |
| Course Title                        | Physics           |  |
| Course Number(s)                    | CE5321            |  |
| Track(s)                            | College Prep (CP) |  |
| Grade Level(s)                      | 11th              |  |
| Credits                             | 1.0               |  |



**CONWELL-EGAN**  
CATHOLIC HIGH SCHOOL

| Academic Department: <b>SCIENCE</b> |                         | Course Description:   |
|-------------------------------------|-------------------------|---|
| Course Information:                 |                         | AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound. |
| Course Title                        | AP Physics              |   |
| Course Number(s)                    | CE5520                  |   |
| Track(s)                            | Advanced Placement (AP) |   |
| Grade Level                         | 11-12                   |   |
| Credits                             | 1.0                     |   |

| Academic Department: <b>SCIENCE</b> |                       | Course Description: |
|-------------------------------------|-----------------------|---------------------|
| Course Information:                 |                       |                     |
| Course Title                        | Environmental Science |                     |
| Course Number(s)                    |                       |                     |
| Track(s)                            | College Prep          |                     |
| Grade Level(s)                      | 12                    |                     |
| Credits                             | 1.0                   |                     |



|                                     |                      |   |
|-------------------------------------|----------------------|---|
| Academic Department: <b>SCIENCE</b> |                      | <b>Course Description:</b>  |
| Course Information:                 |                      | <p>This course involves a detailed study of the structure and function of the human body. It is intended both to familiarize students with the operation of their own body and also to prepare those interested for further specialized work in a health-care field. Dissection of fixed materials is required.</p> <ul style="list-style-type: none"> <li>● <b><i>Prerequisites: Biology and Chemistry.</i></b></li> <li>● <b>Lab included/required once per week for Honors section.</b></li> </ul> |
| Course Title                        | Anatomy & Physiology |   |
| Course Number(s)                    | CE5621/CE5611        |   |
| Track(s)                            | College Prep/Honors  |   |
| Grade Level(s)                      | 11-12                |   |
| Credits                             | 1.0                  |   |

|                                     |              |  |
|-------------------------------------|--------------|--|
| Academic Department: <b>SCIENCE</b> |              | <b>Course Description:</b>   |
| Course Information:                 |              | <p>The focus of the course is to acknowledge the tremendous impact that the advances in science have had on both criminal investigation and the ethical decisions we must make as informed citizens of the world. The course will cover the application of natural sciences to legal matters, Fingerprinting, DNA, blood spatter, hair and fiber analysis, insect metamorphosis as a tool to time of death, etc. The course emphasizes inquiry-based learning and problem solving.</p> <ul style="list-style-type: none"> <li>● <b><i>Prerequisite: Biology and Chemistry</i></b></li> </ul> |
| Course Title                        | Forensics    |  |
| Course Number(s)                    | CE5721       |  |
| Track(s)                            | College Prep |  |
| Grade Level(s)                      | 12           |  |
| Credits                             | 1.0          |  |

|                                     |                 |  |
|-------------------------------------|-----------------|--|
| Academic Department: <b>SCIENCE</b> |                 | <b>Course Description:</b>   |
| Course Information:                 |                 | <p>This course provides high school students with a general overview of athletic training, sports medicine and its history. It includes introductory information about the Athletic Trainer's scope of practice: injury prevention, treatment, rehabilitation, emergency injury management and administrative functions. This course is intended to help students gain an understanding of sports medicine, various associated disciplines and the role they play in the physically active community. Students enrolled in this class will not provide patient care.</p> |
| Course Title                        | Sports Medicine |  |
| Course Number(s)                    | CE5521          |  |
| Track(s)                            | College Prep    |  |
| Grade Level(s)                      | 12              |  |
| Credits                             | 1.0             |  |





|                                     |               |  |
|-------------------------------------|---------------|--|
| Academic Department: <b>SCIENCE</b> |               | <b>Course Description:</b>   |
| Course Information:                 |               | <p>This class will introduce students to the iterative engineering process and fundamental engineering design principles. Students will learn to deconstruct complex problems and through guided examples create comprehensive design solutions. This is a foundation class and will cover basic drafting skills, strength of materials, statics, heat transfer and other foundation engineering subject areas.</p> <p>This course is designed to expose students to many different fields of engineering throughout the year as we explore various engineering subject areas, rather than delving deeply into any one area. This will allow students to get a general overview of the various engineering fields and identify areas of interest. The class will also include a hands-on aspect, as students will design and construct a piece of testing equipment for the engineering lab.</p> |
| Course Title                        | Engineering I |  |
| Course Number(s)                    | CE5811        |  |
| Track(s)                            | Honors        |  |
| Grade Level(s)                      | 10-12         |  |
| Credits                             | 1.0           |  |

|                                     |                |   |
|-------------------------------------|----------------|---|
| Academic Department: <b>SCIENCE</b> |                | <b>Course Description:</b>  |
| Course Information:                 |                | <p>This class is a continuation of the Engineering I curriculum in which students will work collaboratively on solving complex design problems. Students will draw on foundation engineering knowledge gained in Engineering I as new engineering subject areas are introduced. Students will learn to deconstruct complex problems and through guided examples create comprehensive design solutions. This is an advanced class and will expand on the subject areas covered in Engineering I and introduce Computer Aided Design (CAD), electrical circuits and basic computer programming as well as other engineering subject areas.</p> <p>This course is designed to expose students to many different fields of engineering throughout the year as we explore various engineering subject areas, rather than delving deeply into any one area. This will allow students to get a general overview of the various engineering fields and identify areas of interest. The class will also include a hands-on aspect, as students will design and construct a piece of testing equipment for the engineering lab.</p> <ul style="list-style-type: none"> <li>• <i>Prerequisite: H. Engineering I</i></li> </ul> |
| Course Title                        | Engineering II |   |
| Course Number(s)                    | CE5911         |   |
| Track(s)                            | Honors         |   |
| Grade Level(s)                      | 11-12          |   |
| Credits                             | 1.0            |   |



**COURSE DESCRIPTIONS: SOCIAL STUDIES**

|  |                     |   |
|--|---------------------|---|
| Academic Department: <b>SOCIAL STUDIES</b> |                     | <b>Course Description:</b>  |
| Course Information:                        |                     | A history of major world civilizations designed to explore the development of the modern global community and the spread of ideologies and cultures. The curriculum employs transnational themes to provide connections that transcend time, space, and disciplines and which promote the use of critical historical, global and economic literacy skills to explore global patterns of change over time. Acquiring these skills will enable students to analyze and interpret historical events in depth and to apply their understanding to a variety of historical contexts. |
| Course Title                               | World History       |   |
| Course Number(s)                           | CE3121/3111         |   |
| Track(s)                                   | College Prep/Honors |   |
| Grade Level(s)                             | 9th                 |   |
| Credits                                    | 1.0                 |   |

|  |                                |   |
|--|--------------------------------|---|
| Academic Department: <b>SOCIAL STUDIES</b> |                                | <b>Course Description:</b>  |
| Course Information:                        |                                | This course is a comprehensive examination of the supreme and fundamental characteristics of the American Governmental system. Its study involves the origins, development, principles, organization, powers, functions and actual workings and processes of American Government. This course utilizes critical civic, economic and historical literacy skills to emphasize political theory, philosophy, and the nature of government and how it has impacted the country over time. This course is designed to give a thorough knowledge and deep understanding of the Government of the United States which is essential to all American citizens. |
| Course Title                               | American Government & Politics |   |
| Course Number(s)                           | CE3221/3211                    |   |
| Track(s)                                   | College Prep/Honors            |   |
| Grade Level(s)                             | 10th                           |   |
| Credits                                    | 1.0                            |   |

|  |                     |   |
|--|---------------------|---|
| Academic Department: <b>SOCIAL STUDIES</b> |                     | <b>Course Description:</b>  |
| Course Information:                        |                     | The first quarter of this course is an introduction to the American Government. The evolution of our government and its historical background are covered in survey format. In the remaining three quarters, students will study American History from Reconstruction to the present day. |
| Course Title                               | American History    |   |
| Course Number(s)                           | CE3221/3211         |   |
| Track(s)                                   | College Prep/Honors |   |
| Grade Level(s)                             | 11th                |   |
| Credits                                    | 1.0                 |   |



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| Academic Department: <i><b>SOCIAL STUDIES</b></i> |                              | <b>Course Description:</b>  |
|---|------------------------------|---|
| Course Information:                               |                              | This Social Studies Elective is an introductory course of the scientific study of human behavior and mental processes – Psychology. How and why people behave or misbehave is the basis of this course. Units will include neurobiology, developmental psychology, abnormal psychology, and educational psychology. |
| Course Title                                      | Psychology                   |   |
| Course Number(s)                                  | CE3420                       |   |
| Track(s)  | Honors (H)/College Prep (CP) |   |
| Grade Level                                       | 11th, 12th                   |   |
| Credits   | 1.0                          |   |

| Academic Department: <i><b>SOCIAL STUDIES</b></i> |                         | <b>Course Description:</b>  |
|---|-------------------------|---|
| Course Information:                               |                         | The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. |
| Course Title                                      | AP Psychology           |   |
| Course Number(s)                                  | CE3450                  |   |
| Track(s)  | Advanced Placement (AP) |   |
| Grade Level                                       | 12th                    |   |
| Credits   | 1.0                     |   |

| Academic Department: <i><b>SOCIAL STUDIES</b></i> |                          | <b>Course Description:</b>  |
|---|--------------------------|---|
| Course Information:                               |                          | This is a half-year elective course which explores the cultural, political and social history of African Americans from the Middle Passage through contemporary American life. Through this course students will develop a deeper understanding of the intricate ways in which African Americans have influenced and shaped the history and culture of the United States. In this course, students will examine the historical approaches to understanding the experiences and contributions of African Americans in the United States. |
| Course Title                                      | African-American Studies |   |
| Course Number(s)                                  | CE3601                   |   |
| Track(s)  | College Prep (CP)        |   |
| Grade Level                                       | 12th                     |   |
| Credits   | 0.5                      |   |



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|  |                                      |   |
|--|--------------------------------------|---|
| Academic Department: <i>SOCIAL STUDIES</i> |                                      | <b>Course Description:</b>  |
| Course Information:                        |                                      | <p>This half year guided seminar course invites the students to explore landmark Supreme Court civil rights cases from their historical roots through their contemporary impact. Students will work individually and in groups to research specific cases impacting various minority and historically marginalized groups including Native Americans, women, immigrants, African Americans, people with disabilities, followers of specific religious beliefs, among others. A variety of presentation styles including debate, oral and written presentations, as well as Socratic seminar will be used. This course requires that the student is able to identify areas of specific interest within the topic list, work independently and collaboratively, as well as actively respond in large and small group discussions.</p> |
| Course Title                               | Case Studies in Civil Rights Seminar |   |
| Course Number(s)                           | CE3701                               |   |
| Track(s)                                   | College Prep (CP)                    |   |
| Grade Level                                | 12th                                 |   |
| Credits                                    | 0.5                                  |   |

|  |                       |  |
|--|-----------------------|--|
| Academic Department: <i>SOCIAL STUDIES</i> |                       | <b>Course Description:</b>   |
| Course Information:                        |                       | <p><b>Where in the world is...</b><br/>This course will give the student the opportunity to become engaged with the world in a real and meaningful way. As well as learning about physical and human geography of the planet, it will offer a better understanding of the geo-political interconnectedness of the world at-large and how it affects us here at home. The first quarter will provide an overview of Europe; the second, Asia; the third Africa and the fourth South America. There will be map work and class discussion. This is not a course in which one can hide. This course will require one to become engaged.</p> |
| Course Title                               | World/Human Geography |  |
| Course Number(s)                           |                       |  |
| Track(s)                                   | College Prep (CP)     |  |
| Grade Level                                | 11th & 12th           |  |
| Credits                                    | 0.5 or 1.0            |  |



# CONWELL-EGAN

## CATHOLIC HIGH SCHOOL

| Academic Department: <i>SOCIAL STUDIES</i> |                   | Course Description:  |
|--|-------------------|--|
| Course Information:                        |                   | <b>Street Law</b><br>Law-related education is an effective way of engaging youth to become more productive citizens. The street law program enhances high school students' understanding of law. The broader purpose of the street law class is to expose high school students to the law and the legal system. This course is an introduction to law and the practical legal concepts of both civil and criminal law. Specific topics will include criminal law, crimes against persons, civil law and your rights and responsibilities as a citizen. |
| Course Title                               | Street Law        |  |
| Course Number(s)                           |                   |  |
| Track(s)                                   | College Prep (CP) |  |
| Grade Level                                | 11th & 12th       |  |
| Credits                                    | 0.5 or 1.0        |  |

| Academic Department: <i>SOCIAL STUDIES</i> |                         | Course Description:   |
|--|-------------------------|---|
| Course Information:                        |                         | <b>AP European History</b><br>In A.P. European History, students investigate significant events, individuals, developments, and processes in Europe from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources, developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time.<br>*AP Exam is required.<br><br><b>Prerequisites:</b> Students must currently be enrolled in one of the following: Honors World History, Honors U.S. Government, or Honors American History. Prospective students should receive an overall grade of 90% or above in their current Social Studies course. Prospective students should also submit a writing sample of about one page from a selected writing assignment. Lastly, interested students should receive a recommendation from their current Social Studies teacher. |
| Course Title                               | AP European History     |   |
| Course Number(s)                           |                         |   |
| Track(s)                                   | Advanced Placement (AP) |   |
| Grade Level                                | 10-12                   |   |
| Credits                                    | 1.0                     |   |



**COURSE DESCRIPTIONS: WORLD LANGUAGE**

| Academic Department: <b>WORLD LANGUAGE</b> |                              | <b>Course Description:</b>  |
|--|------------------------------|---|
| Course Information:                        |                              | <p>Students with exceptional verbal, listening, and reading skills may be placed in the Honors course. Material for the two courses is essentially the same. Students with higher ability will be able to progress at an accelerated rate in the Honors section. Those enrolled in the honors course will be expected to produce more advanced writing assignments, use simple conversational skills, and begin basic research projects on various cultural topics. The texts use real-world photos, on-location videos, grammar presentations and provide a solid introduction to the basic skills while incorporating high interest cultural information. Products, practices and perspectives of the target culture glimpses into the life and customs of Spanish-speaking peoples are gained through the text, supplementary materials provided by the textbook publisher, and those generated by the instructor.</p> |
| Course Title                               | Spanish I                    |   |
| Course Number(s)                           | CE6511/CE6521                |   |
| Track(s)                                   | Honors (H)/College Prep (CP) |   |
| Grade Level                                | 9th, 10th, 11th              |   |
| Credits                                    | 1.0                          |   |

| Academic Department: <b>WORLD LANGUAGE</b> |                              | <b>Course Description:</b>  |
|--|------------------------------|---|
| Course Information:                        |                              | <p>Spanish II continues the work begun in Spanish I through a more comprehensive and accelerated study of the basic skills of listening, speaking, reading and writing. Students will be expected to increase their proficiency in verbal and in written communication. This will be accomplished by the study of more complex grammatical structures and through vocabulary acquisition within the context of real-world conversations. Students will also continue to improve writing proficiency through the use of directed paragraph construction and oral proficiency through paired practice and presentations. Additional material pertaining to Spanish and Latin American culture is presented.</p> |
| Course Title                               | Spanish II                   |   |
| Course Number(s)                           | CE6541/CE6551                |   |
| Track(s)                                   | Honors (H)/College Prep (CP) |   |
| Grade Level                                | 10th, 11th, 12th             |   |
| Credits                                    | 1.0                          |   |



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CATHOLIC HIGH SCHOOL

| Academic Department: <b>WORLD LANGUAGE</b> |                    | Course Description:   |
|--|--------------------|---|
| Course Information:                        |                    | <p>Designed for the linguistically gifted, this intensified course aims at refining and strengthening all receptive and productive communication skills. Exposure to authentic Spanish materials helps the students to better understand the Spanish people and their culture. Selected readings expose the student to authentic Hispanic culture. Instructional materials that accompany the text as well as instructor created material are employed to supplement the language lessons</p> <p><b><i>Prerequisite: Satisfactory completion of Spanish I and a first semester grade of 85 or above in Honors Spanish II or teacher recommendation in Spanish II.</i></b></p> |
| Course Title                               | Honors Spanish III |   |
| Course Number(s)                           | CE6571             |   |
| Track(s)                                   | Honors (H)         |   |
| Grade Level                                | 11th, 12th         |   |
| Credits                                    | 1.0                |   |

| Academic Department: <b>WORLD LANGUAGE</b> |                   | Course Description:   |
|--|-------------------|---|
| Course Information:                        |                   | <p>This course will include a complete review of all grammar, especially the verb tenses of the indicative, subjunctive and imperative moods. Continued emphasis will be placed on oral communication and the improvement of writing skills through more complex compositions and essays. A study of Spanish civilization including geography, history and art will be investigated with each chapter along with an authentic reading. Excerpts of authentic Spanish materials are used as a basis for each chapter. Students will learn how to express, not only what they do, but also how they feel and what they believe about the world.</p> |
| Course Title                               | Honors Spanish IV |   |
| Course Number(s)                           | CE6700            |   |
| Track(s)                                   | Honors (H)        |   |
| Grade Level                                | 11th, 12th        |   |
| Credits                                    | 1.0               |   |



**COURSE DESCRIPTION: FINE ARTS**

|                                       |                       |   |
|---------------------------------------|-----------------------|---|
| Academic Department: <i>FINE ARTS</i> |                       | <b>Course Description:</b>  |
| Course Information:                   |                       | A <i>foundation</i> course open to students in grades 9 to 12 who are seriously interested in art. Emphasis in the first year is on the development of basic skills, development of visual perception, and exploration of materials. An introduction to various programs such as Photoshop and Illustrator are integrated in this course. |
| Course Title                          | Honors Art I          |   |
| Course Number(s)                      | CE8211                |   |
| Track(s)                              | Honors (H)            |   |
| Grade Level                           | 9th, 10th, 11th, 12th |   |
| Credits                               | 1.0                   |   |

|                                       |                  |   |
|---------------------------------------|------------------|---|
| Academic Department: <i>FINE ARTS</i> |                  | <b>Course Description:</b>  |
| Course Information:                   |                  | An elective where students will pursue a more advanced study of art than introduced in Art I, especially in <i>design</i> . Fundamentals are explored in greater detail and new mediums are introduced which include sculpture, printmaking as well as continuation of MAC programs. Students will learn Art History, develop an appreciation for the aesthetics of art and acquire the language and skills needed for art criticism. |
| Course Title                          | Honors Art II    |   |
| Course Number(s)                      | CE8311           |   |
| Track(s)                              | Honors (H)       |   |
| Grade Level                           | 10th, 11th, 12th |   |
| Credits                               | 1.0              |   |

|                                       |                |   |
|---------------------------------------|----------------|---|
| Academic Department: <i>FINE ARTS</i> |                | <b>Course Description:</b>  |
| Course Information:                   |                | Art III is a <i>portfolio</i> and college preparation program. A working knowledge of computer operation is essential in order to assist in preparing individual artwork portfolios on a CD. Emphasis is on perfecting skills in specific areas of interest and on the development of creative expression through individual instruction. This course options for AP Studio Art or H. Art IV. |
| Course Title                          | Honors Art III |   |
| Course Number(s)                      | CE8411         |   |
| Track(s)                              | Honors (H)     |   |
| Grade Level                           | 11th, 12th     |   |
| Credits                               | 1.0            |   |





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| Academic Department: <i>FINE ARTS</i> |               | Course Description:  |
|---------------------------------------|---------------|--|
| Course Information:                   |               | Designed for the serious artist, Art IV will focus on problem solving; developing and pursuing a theme; and an exploration of ideas. |
| Course Title                          | Honors Art IV |  |
| Course Number(s)                      | CE8510        |  |
| Track(s)                              | Honors (H)    |  |
| Grade Level                           | 12th          |  |
| Credits                               | 1.0           |  |

| Academic Department: <i>FINE ARTS</i> |                         | Course Description:   |
|---------------------------------------|-------------------------|---|
| Course Information:                   |                         | The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios -- 2D Design, 3D design, and drawing -- corresponding to common college foundation courses. |
| Course Title                          | AP Studio Art           |   |
| Course Number(s)                      | CE8560                  |   |
| Track(s)                              | Advanced Placement (AP) |   |
| Grade Level                           | 12th                    |   |
| Credits                               | 1.0                     |   |



|  |                       |   |
|--|-----------------------|---|
| Academic Department: <i>FINE/Performing ARTS</i> |                       | <b>Course Description:</b>  |
| Course Information:                              |                       | <p>The course emphasizes an in-depth development of individual technical skills 9-12 and ensemble playing. Band literature, sight-reading and tuning procedures are taught. Theory is integrated within the context of the study of band literature. The class meets daily for one class period and rehearses at least one afternoon per week after school. This course is designed to give the student an enriching and diverse instrumental music education. This class provides a number of performance opportunities for the student in a variety of settings. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by the student. As a member of the band program, group effort and cooperation is necessary to a successful program. Band is a skilled effort in which each student is expected to show technical and musical growth throughout this course. The band performs at a variety of school functions which are listed before each academic school year. Instrumental lessons are given throughout the school year to students who are in instrumental band.</p> |
| Course Title                                     | Instrumental Music    |   |
| Course Number(s)                                 | CE8001                |   |
| Track(s)   | Honors (H)            |   |
| Grade Level                                      | 9th, 10th, 11th, 12th |   |
| Credits  | 1.0                   |   |

|  |                       |  |
|--|-----------------------|--|
| Academic Department: <i>FINE/Performing ARTS</i> |                       | <b>Course Description:</b>   |
| Course Information:                              |                       | <p>This class forms the core of the Concert Choir, the premiere vocal ensemble for the school community. Students will learn vocal technique, concepts of music theory and ensemble performance practice by rehearsing and performing challenging SATB repertoire. Students are expected to prepare the repertoire on their own and are required to attend all rehearsals and performances. In addition, the class leads the community at all liturgies.</p> |
| Course Title                                     | Choral Music          |  |
| Course Number(s)                                 | CE8051                |  |
| Track(s)   | Honors (H)            |  |
| Grade Level                                      | 9th, 10th, 11th, 12th |  |
| Credits  | 1.0                   |  |



**CONWELL-EGAN**  
CATHOLIC HIGH SCHOOL

|  |                         |  |
|--|-------------------------|--|
| Academic Department: <i>FINE/Performing ARTS</i> |                         | <b>Course Description:</b>   |
| Course Information:                              |                         | The course allows the student to learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music. Skills You'll Learn Identifying features of pitch, interval, scales and keys, chords, meter, rhythm, and other musical concepts in performed and notated music. Singing a notated melody on sight. Notating music that you hear, completing music based on cues, following common-practice style. |
| Course Title                                     | AP Music Theory         |  |
| Course Number(s)                                 |                         |  |
| Track(s)   | Advanced Placement (AP) |  |
| Grade Level                                      | 12th                    |  |
| Credits  | 1.0                     |  |



**COURSE DESCRIPTIONS: HEALTH & PHYSICAL EDUCATION**

|   |                   |   |
|---|-------------------|---|
| Academic Department: <b>HEALTH &amp; PHYSICAL EDUCATION</b> |                   | <b>Course Description:</b>  |
| Course Information:   |                   | <p>The Physical Education program stresses sportsmanship, working together, skill performance, physical fitness, individual sports and team sports. Various activities provide the opportunity for improved motor skills, and the basic knowledge needed to participate in sports, and lifetime activities. Students are required to dress for and participate in each and every class. The Health Program deals with current critical health concerns in today's society. This course will center on the students gaining knowledge and information that will better prepare them to make positive choices and decisions about their own health. Students will learn to differentiate between healthful and risky behaviors, and to recognize the effects of the behaviors they chose. Areas of study include health and wellness, fitness, nutrition, body systems, physiology, mental health and social drugs.</p> |
| Course Title  | PE/Health         |   |
| Course Number(s)  | CE9001            |   |
| Track(s)  | College Prep (CP) |   |
| Grade Level   | 10th, 11th, 12th  |   |
| Credits   | 1.0               |   |

|   |                   |   |
|---|-------------------|---|
| Academic Department: <b>HEALTH &amp; PHYSICAL EDUCATION</b> |                   | <b>Course Description:</b>  |
| Course Information:   |                   | <p>This course gives students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardio-respiratory endurance activities. Students will learn the basic fundamentals of strength training, aerobic training and overall fitness training and conditioning course includes both lecture and activity sessions with research and project based learning. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness and movement activity for a lifetime. This course involves a large physical component and is recommended for athletic students wishing to achieve optimal physical fitness.</p> <p><b>Prerequisite: Health/PE</b></p> |
| Course Title  | Personal Fitness  |   |
| Course Number(s)  | CE9011            |   |
| Track(s)  | College Prep (CP) |   |
| Grade Level   | 12th              |   |
| Credits   | 0.5               |   |



**Course Descriptions: H. EAST - Education Advanced by Science and Technology**

|  |                            |                        |                  |        |          |            |             |                       |         |     |  |
|--|----------------------------|------------------------|------------------|--------|----------|------------|-------------|-----------------------|---------|-----|--|
| Academic Department: <i>Honors EAST Initiative</i><br><i>Education Accelerated by Science and Technology</i>   | <b>Course Description:</b> |                        |                  |        |          |            |             |                       |         |     |  |
| Course Information:<br><br><table border="1" data-bbox="51 667 795 995"> <tr> <td>Course Title</td> <td>Honors EAST Initiative</td> </tr> <tr> <td>Course Number(s)</td> <td>CE7821</td> </tr> <tr> <td>Track(s)</td> <td>Honors (H)</td> </tr> <tr> <td>Grade Level</td> <td>9th, 10th, 11th, 12th</td> </tr> <tr> <td>Credits</td> <td>1.0</td> </tr> </table> | Course Title               | Honors EAST Initiative | Course Number(s) | CE7821 | Track(s) | Honors (H) | Grade Level | 9th, 10th, 11th, 12th | Credits | 1.0 | <p>EAST is a course that empowers students to take responsibility for their education by giving them state-of-the-art technologies to encourage collaboration, problem-solving, and communication skills. EAST students have access to a wide range of hardware and software:</p> <ul style="list-style-type: none"> <li>● GIS (Geographic Information Systems) and Data Analysis</li> <li>● 3D Design and Animation</li> <li>● Web Design</li> <li>● Application Development</li> <li>● Graphic Design</li> <li>● Game Design and Development</li> <li>● Multimedia Production</li> </ul> <p>EAST gives students a chance to explore and take risks in an environment that values a creative approach and is focused on student growth and community.</p> |
| Course Title   | Honors EAST Initiative     |                        |                  |        |          |            |             |                       |         |     |  |
| Course Number(s)   | CE7821                     |                        |                  |        |          |            |             |                       |         |     |  |
| Track(s)   | Honors (H)                 |                        |                  |        |          |            |             |                       |         |     |  |
| Grade Level  | 9th, 10th, 11th, 12th      |                        |                  |        |          |            |             |                       |         |     |  |
| Credits  | 1.0                        |                        |                  |        |          |            |             |                       |         |     |  |



**COURSE DESCRIPTIONS: BUSINESS**

| Academic Department: <i>BUSINESS</i> |                   | Course Description:   |
|--------------------------------------|-------------------|---|
| Course Information:                  |                   | Students learn the foundations and functions needed to successfully market goods, services, and ideas to consumers. While students study business, economics, selling, human relations, communications, distribution, promotion, product planning, and pricing, they also see marketing as a career choice. |
| Course Title                         | Marketing         |   |
| Course Number(s)                     | CE7221            |   |
| Track(s)                             | College Prep (CP) |   |
| Grade Level                          | 10th, 11th, 12th  |   |
| Credits                              | 1.0               |   |

| Academic Department: <i>BUSINESS</i> |              | Course Description:  |
|--------------------------------------|--------------|--|
| Course Information:                  |              | This course is an introduction to the theory of accounts and generally accepted accounting principles. Emphasis is placed on completing the accounting cycle, inventory and asset valuation and stockholders' equity. Students will be instructed in the methods of analyzing and categorizing documents. Students will learn how to record business transactions into journals, post information into ledgers, and prepare a trial balance. Additionally, they will be taught how to prepare the financial statements (balance sheet, income statements, statement of cash flow). |
| Course Title                         | Accounting I |  |
| Course Number(s)                     | CE7611       |  |
| Track(s)                             | Honors (H)   |  |
| Grade Level                          | 10-12        |  |
| Credits                              | 1.0          |  |



**CONWELL-EGAN**  
CATHOLIC HIGH SCHOOL

| Academic Department: <i>BUSINESS</i> |               | Course Description:  |
|--------------------------------------|---------------|--|
| Course Information:                  |               | <p>The course focuses on various managerial, financial, and operational accounting activities that require the formulation, interpretation, and communication of financial information for use in management decision making. Accounting II concentrates on managerial accounting. Topics include job and process cost systems, cost-volume analysis, budgets and capital budgeting, equity investments, time value of money, long-term liabilities, and accounting for quality and cost management.</p> |
| Course Title                         | Accounting II |  |
| Course Number(s)                     | CE7621        |  |
| Track(s)                             | Honors (H)    |  |
| Grade Level                          | 12th          |  |
| Credits                              | 1.0           |  |

| Academic Department: <i>BUSINESS</i> |                   | Course Description:  |
|--------------------------------------|-------------------|--|
| Course Information:                  |                   | <p>This course aims to prepare students with knowledge and understanding of economic and business concepts. The students will be introduced to our economic system of free enterprise while gaining new insights into different roles of business, government, management, labor and consumers within the system. Topics include: economics, business organizations (corporations, partnerships, sole-proprietors), international business, social and ethical issues, saving and investing, borrowing, insurance, credit, banking, and much more.</p> |
| Course Title                         | Entrepreneurship  |  |
| Course Number(s)                     | CE7720            |  |
| Track(s)                             | College Prep (CP) |  |
| Grade Level                          | 12th              |  |
| Credits                              | 1.0               |  |



# CONWELL-EGAN

## CATHOLIC HIGH SCHOOL

| Academic Department: <i>BUSINESS</i> |   | Course Description:   |
|--------------------------------------|---|---|
| Course Information:                  |   | <p>Dual-Enrollment course offered through University of Delaware. Horn Entrepreneurship's proprietary and customizable curriculum enables educators to easily convert their classrooms into real world entrepreneurship labs and offer their students the lowest possible college credit tuition costs. This curriculum has been conceived to provide maximum flexibility and enrich existing entrepreneurship, STEM, business and/or social science course offerings.</p> <p>Students develop the key skills of idea generation, creative problem solving, leadership, evidence-based decision making, resilience, teamwork and persuasive communication. These skills last a lifetime and develop competitive advantages and self-confidence rarely found in other programs.</p> <p><b>Prerequisite consideration:</b> Teacher and APAA approval; minimum 3.25 cumulative GPA; 85 or higher in Marketing and Accounting I; successful completion of Accounting II preferred or Accounting II being taken simultaneously</p> |
| Course Title                         | Entre-X Program:<br>Entrepreneurship<br>Dual-Enrollment - University<br>of Delaware |   |
| Course Number(s)                     | CE7731  |   |
| Track(s)                             | Honors/Dual Enrollment  |   |
| Grade Level                          | 12th  |   |
| Credits                              | 1.0   |   |





\*Other AP courses may be offered through online providers per student's request. Student enrollment in online AP courses must be approved by CEC Administration.

**Educere:** <https://www.educere.net/coursefinder.asp?key>

### ***DUAL ENROLLMENT OPPORTUNITIES***

- for more information, please contact Mr. Bower ([jbower@conwell-egan.org](mailto:jbower@conwell-egan.org))

- **Bucks County Community College**
  - Introduction to Administration of Criminal Justice
    - This course is an introductory survey of the evolution, principles, concepts, and practice of the theory and nature of the criminal justice system including police, courts, and corrections systems.
  - Ethics
    - A critical examination of the foundations of ethical theory; contributions of eminent philosophers of ethics are evaluated. The source material used consists of analytic studies from great religious thinkers and philosophers. Students learn to begin to formulate an intellectual basis for their own ethical behavior.
  - Introduction to Sociology
    - This course is an introduction to the basic concepts in the field of sociology, with emphasis upon the application of these concepts to the understanding of American institutions: politics, economics, religion, education, marriage, and the family.
  - Peoples of America
    - This course explores systems of oppression and liberation related to racial and ethnic minorities, immigrants, gender outlaws, sexual minorities, and other marginalized groups in U.S. society. Attention is on past and present status of these groups as it relates to an understanding of intergroup dynamics in today's society.



- **LaSalle University**

- La Salle’s Early Achievement Program (*LEAP*) gives high school students the opportunity to earn up to 30 college credits during their junior and senior year of high school. This innovative dual enrollment program allows students the opportunity to earn dual credit for their college courses to meet the requirements for their high school degree.
- CEC currently has a cohort of students in the Health and Human Service track within LEAP. Health and Human Services – Important subjects with a wide range of applications, the Health and Human Services track introduces students to the worlds of public health, science, psychology, human development, and ethics.
- **PROJECTED COURSES**

| Track/Term              | Summer '23  | Fall '23                 | Spring '24    | Summer '24                                     |
|-------------------------|---|--------------------------|---------------|--|
| Health & Human Services | 1. Innovation & Entrepreneurship<br>2. Antibiotic Discovery | Developmental Psychology | Global Health | 1. Principles of Nutrition<br>2. Special Topic |
| Credits                 | 6   | 3                        | 3             | 6  |

- **PROGRAM FORMAT**

Fall and Spring Semesters

Courses are taught remotely either from a student’s high school throughout the school day or another remote location as needed. Courses may count for dual credit to meet the requirements of the high school degree

Summer Semesters

In-person courses taught on La Salle University’s campus Cohort-based. Students will take La Salle courses with other high school students building a cohort model to enhance relationships in and out of the classroom.

- **NuPaths - Harrisburg University**

- Technical Support Specialist
  - 5 courses, 6 certifications, 8 college credits
  - <https://nupaths.org/wp-content/uploads/sites/16/2021/03/Technical-Support-Specialist-v8.0.pdf>