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**CONWELL-EGAN**  
CATHOLIC HIGH SCHOOL

# **Academic Course Catalog 2017-2018**



*Dear Students and Parents:*

The Academic Course Booklet has been prepared by the Office of Academics in consultation with the Department Chairs to offer you a well-rounded education. This process takes time, patience, and careful consideration to reach a collective decision that will best serve your educational welfare. We encourage you to discuss, together with your teachers, the courses required and offered in this guide and determine what you feel are the appropriate courses to take. In addition, please make use of the resources available to you in the Guidance Office. Your past and present teachers and the Guidance Office are invaluable advisors concerning your academic growth as you plan for your future.

Students, feel free to make an appointment to see your teachers and the guidance staff if you have questions or want to discuss your potential roster requests for next year as you prepare your college/career goals. Parents, you are encouraged to contact the school's Guidance Office to discuss your child's post-secondary plans such as college, university, military, etc.

Thank you for your continued support and commitment to Conwell-Egan Catholic High School. Our purpose is to work with you to achieve the best possible educational opportunities.

## **National Collegiate Athletic Association (NCAA) Eligibility**

STUDENT-ATHLETES: PLEASE READ THIS SECTION CAREFULLY

**Eligibility:** Check with both the Guidance Office and the Athletic Director's Office. To participate in college athletics in the freshmen year, the National Collegiate Athletic Association (NCAA) states that students must meet certain requirements: graduate from high school, complete the minimum required academic courses, and have qualifying grade-point average (GPA) and SAT or ACT scores.

**Required Academic Courses:** Sixteen (16) core courses are required.

Ten (10) core courses completed before the seventh semester; seven (7) of the 10 must be in English, math or natural/physical science. These courses/grades are "locked in" at start of the seventh semester (cannot be repeated for grade-point average [GPA] improvement to meet initial-eligibility requirements for competition). Only core courses that appear on the high school's List of NCAA Courses on the NCAA eligibility website will be used to calculate your core-course GPA. Core-course GPA is calculated using the best 16 core courses that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements. 4 years of English, 3 years of math (Algebra I or higher), 2 years of natural/physical science (1 year of lab if offered), 1 year of additional English, math or natural/physical science, 2 years of social science, 4 years of additional courses (any area above, or foreign language)

**SAT/ACT Scores and GPA:** - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale For NCAA Division 1 the core GPA (not the Conwell-Egan Catholic GPA) must be at least a 2.3.

**Website:** [EligibilityCenter.Org](http://EligibilityCenter.Org)

Academic Course  
Guide  
2017-2018

**ACADEMIC REQUIREMENTS**

**FRESHMAN YEAR**

**Required:** Theology I; English Language Arts I; World History; Mathematics {Algebra I or Algebra II\*}; Science {Physics 9 or H. Biology}; W. Language (Spanish I, Spanish II, Mandarin I, or Latin I) and one of the following: H. Art I, H. Instrumental Music, H. Choral, H. EAST.

\*Select students who successfully completed the approved Archdiocesan 8<sup>th</sup> grade Algebra program, have had the results sent to Conwell-Egan Catholic, and meet the necessary qualifications may be permitted to take H. Algebra II.

\*\*Students are REQUIRED to complete two (2) years of study in the same modern language.

\*\*\*Students needing additional assistance in transitioning into high school will be scheduled for Critical Thinking in Freshman year and will take their Language requirement after Freshman year.

*Freshmen are required to take 7 courses.*

**SOPHOMORE YEAR**

**Required:** Theology II; English Language Arts II; Am. Gov't & Politics; Algebra IB or Algebra II; Chemistry; Physical Education/Health and W. Language

**Electives:** \*Latin I; H. Art I or II, H. Instrumental Music, H. Choral Music; H. EAST Initiative

\*Any student who had a first year language course is required to take the second year of that language.

A select group of qualified sophomores will be offered H. Geometry (in addition to H. Algebra II) in order to be prepared to elect Calculus in their Senior Year. For these students the PHYSICAL EDUCATION/HEALTH requirement will be fulfilled in junior or senior year.

*Sophomores are required to take 7 courses.*

## JUNIOR YEAR

<b>Required:</b>	Theology III; English Language Arts III or AP Language & Composition; Am. History; Math; Science
<b>Electives:</b>	<b>Mathematics Options:</b> Algebra II, Geometry, H. Trig/Pre-Calculus <b>Science Options:</b> Chemistry, H. Physics, AP Chemistry, AP Biology, Honors Anatomy & Physiology <b>World Languages:</b> Spanish I, II, III, or IV; Latin I, Mandarin I or II <b>Business/Technology:</b> Marketing <b>EAST:</b> H. EAST <b>Fine Arts:</b> H. Art I, II, III; H. Instrumental Music, H. Choral Music <b>HFU Dual Enrollment:</b> Sociology (Soc I & II) or Art Appreciation/World Religions

*The requirement for the 3<sup>rd</sup> year of Math and Science must be fulfilled in Junior Year.*

**Juniors are required to take a minimum of 6 courses, but recommended to take 7.**

## SENIOR YEAR

<b>Required:</b>	Theology IV; English Language Arts IV or AP Literature and Composition; 4 or 5 Electives
<b>Electives:</b>	<b>English:</b> H. Communications <b>Social Studies:</b> H. Comparative Gov't and Economics, Comparative Gov't and Economics, Psychology <b>Mathematics:</b> AP Calculus, H. Calculus, H. Trig/Pre-Calculus, Trig/Pre-Calculus H. Statistics, Personal Finance <b>Science:</b> Physics, Environmental Science, AP Chemistry, AP Biology, H. Anatomy & Physiology, Forensics <b>World Languages:</b> Spanish II, III, IV; Latin I; Mandarin I or II <b>Business/Technology:</b> H. Accounting, Marketing, Entrepreneurship <b>EAST:</b> H. EAST <b>Fine Arts:</b> H. Art I, II, III, IV; H. Instrumental Music, H. Choral Music <b>HFU Dual Enrollment:</b> Sociology (Soc I & II) or Art Appreciation/World Religions

*It is particularly important that students be aware of their long-range goals regarding college and the number of credits required for graduation in making decisions. In addition, students should read the course descriptions carefully to determine the requirements and expectations of each course before making a choice.*

**Seniors are required to take a minimum of 6 courses, but recommended to take 7.**

## GRADUATION REQUIREMENTS

In accordance with the requirements established by the State of Pennsylvania Department of Education, the directives of the Office of Catholic Education of the Archdiocese of Philadelphia, and the philosophy and objectives of the school itself, a diploma is awarded to Conwell-Egan Catholic High School students for the successful completion of the prescribed course of studies. *The minimum requirements are 26.5 credits in grades 9 through 12 as follows:*

4.0 Credits	THEOLOGY
4.0 Credits	ENGLISH
3.0 Credits	SOCIAL STUDIES
3.0 Credits	MATHEMATICS
3.0 Credits	SCIENCE
1.0 Credits	PHYSICAL EDUCATION/HEALTH
1.0 Credits	EAST
2.0 Credits	WORLD LANGUAGES
0.5 Credits	CHRISTIAN SERVICE
5.0 Credits	ELECTIVES
26.5 Credits	TOTAL {All subjects, full or half credit, must have a passing grade}

*All students must complete a 4<sup>th</sup> year of Social Studies, Mathematics, Science, or a 3<sup>rd</sup> year of a World Language*

### CHRISTIAN SERVICE REQUIREMENT

ALL STUDENTS

The Christian Service component is required of all students:

**Seniors** are required to perform 20 hours per year (by February 5);

**Juniors** are required to perform 20 hours per year (by February 19);

**Sophomores** are required to perform 15 hours per year (by March 5);

**Freshmen** are required to perform 15 hours per year (by March 19).

Christian Service receives an "S" or "U," Satisfactory or Unsatisfactory. Failure to do Christian Service will result in an academic failure on the report card, which will result in Summer School and failure to graduate.

## TRANSCRIPTS

Official transcripts must be sent by **MAIL** to any institution requesting such information.

It is the policy of Conwell-Egan Catholic, in accordance with the Diocesan policy, not to send any transcripts if a student's tuition and fees are not up to date.

## STUDENT PLACEMENT

Archdiocesan Tracking Policy mandates that all diocesan high schools are expected to comply with the student placement policy issued by the Office of Catholic Education. This policy is designed to meet the particular needs of the individual student at the level of his/her intellectual ability and achievement by providing a college preparatory curriculum, regardless of track.

The approved curriculum guidelines for the Secondary School System differentiate among the following academic levels:

- Advanced Placement**  
College level courses that follow syllabi of the Advanced Placement Program of the College Board. Students in AP courses are REQUIRED to take the Advanced Placement Examination given in May in each AP level course they are carrying on their roster. HFU Dual Enrollment courses carry AP level quality points.
- Honors**  
College-preparatory courses for students of extraordinary, consistent, and exceptional scholastic ability. Students work at a considerably accelerated pace.
- College Prep**  
College-preparatory courses for students of average ability

During the course selection process teachers are asked to recommend possible student placement changes for students in their classes. These recommendations follow specific guidelines established by departments.

Once the recommendation is submitted to the department chairperson, additional information is accumulated from available data, and the department chair submits the possible student placement changes. In addition, if a student does not perform well at the semester, the recommendation to be dropped a track will be presented to the department chairperson. The department chair will evaluate all data and a decision for change in tracking will be submitted. Final student placement changes are made by the Assistant Principal in consultation with the department chairperson.

## THE NINTH-GRADE PLACEMENT PROCESS

Student placement of freshman students is the result of several factors, all of which are incorporated into a computerized formula. The basis for our tracking begins with the seventh grade final marks, the eighth grade first trimester marks, and the results of the Terra Nova Standardized Test administered in the fall to all eighth graders in our parish schools. All three totals are added together to create a composite score. All incoming freshmen are ranked by the program in relation to all the other incoming freshmen. This method allows us to use a wide variety of grades given by a variety of elementary teachers over two academic years. It also uses all the grades from a national standardized test given on the same day, under the same conditions in all of the Catholic elementary schools. Use of this test helps eliminate variances in teacher grading. This test also provides a Cognitive Skills Index component that further assists the overall assessment of student academic ability for tracking.

Incoming Freshmen and their parents are invited to a *Future Freshman Night in May* where they will receive a tentative roster based on the above information.

## COURSE REQUEST PROCESS

A Course Selection Sheet for each student will be posted on Grade Connect during March. On this form will be the required courses and electives recommended by the school in light of the student's academic performance both current and cumulative. Parents should make sure that they are involved actively in this process. If the courses desired are on Grade Connect, no further permission is required. The student must print the form, have both the student and parent sign it, and submit it to the Academics Office.

Students who make their requests after the deadline often lose opportunities to take elective courses, since in rostering for these courses priority is given to those who registered on time. Course requests cannot be finalized until the student returns the signed course request form to the Academics Office. Registering in a timely manner gives us a count for the number of sections that will be needed, as well as teachers needed for said courses.

## ROSTER CONFLICTS

All courses and programs for the academic year are selected by the student and approved by parents during the Course Selection Period. For this reason, courses (including electives) are not changed, added, or dropped in September or at any time during the Academic school year. In exceptional cases, and for valid reasons, the Principal permits limited roster changes the last week in August, the week before Labor Day. The steps in the roster change process are meant to ensure that the change is really in the student's best interest, that individual class size and total teacher load are not compromised, and a "domino effect" is not produced involving course changes or programs changes in subjects other than the one requested. Therefore, requests for the following reasons are generally unacceptable:

**Dissatisfaction with a course/teacher/schedule,  
Change of mind,  
Desire for early dismissal/or accommodation of a work schedule,  
Desire for a different lunch or study period.**

Once the school year begins, there are no roster changes made for any of the above or for the following:

**Not passing the subject,  
The grade is lowering the GPA,  
Have enough credits to graduate,  
Do not need the class.**

During the designated time in August, students may obtain and complete a roster review form. **No request for roster changes will be accepted over the phone.** There is a \$50.00 fee for the application, which will be refunded if the change cannot be made. This charge is meant both to emphasize the seriousness with which roster changes should be requested and to offset the real costs involved in updating the database and producing new rosters for the student and various school offices. The student is notified when the request is approved or denied via email by the end of August. Any student requesting a specific lunch period due to medical reasons must provide an explanation by way of a doctor's note which will be placed in the student's file. All reasonable efforts will be made to schedule the individual's roster. Otherwise, the School Nurse will need to be utilized as necessary. It is the family's responsibility to provide this documentation to the Academic Office.

**No permission will be granted to change a roster, including electives, after the last week of August.**

**Disclaimer: The Administration of CEC reserves the right to cancel any courses due to lack of enrollment for that course or lack of teacher for that course.**

## DIOCESAN SCHOLARS PROGRAM

The Diocesan Scholars Program allows eligible students to take courses at local Catholic colleges during their senior year. The top 30 juniors, based on the first semester cumulative rank and PSAT scores, are given the opportunity to apply for admission to the Diocesan Scholar Program. Selection into this program provides the Diocesan Scholar an opportunity to take four college courses at a nearby Catholic College during his/her senior year. Advanced Placement quality points are applied to the grades earned in these courses. Students are responsible for transportation and cost of books for the classes.

## ADVANCED PLACEMENT COURSES

Conwell-Egan Catholic High School offers a number of Advanced Placement Courses: AP Literature and Composition, AP Language and Composition, AP Calculus, AP Biology, AP Chemistry, and AP Studio Art. Advanced Placement Courses consist of a structured program of college-level courses and examinations for secondary school students. The program is administered by the Educational Testing Service (College Board Division). Over 90% of the colleges nationwide award college credit to high school students who achieve an acceptable examination grade (a score of 3 or above).

The Office of Academics gives serious consideration to the initial track placement. However, acceptance into an AP Course is further contingent upon aptitude, standardized test results, previous performance, prior sequential courses, teacher recommendation, and/or department chair requirements.

Students who are granted admission into AP level courses must understand the following:

- AP level courses have limited enrollment determined by the specific department, the Principal, and the Princeton guidelines. Because students compete for very limited positions in these courses, it is understood that once a student accepts the admission appointment to an AP level course, the student is required to carry the course for the entire year and will not be allowed to drop the course.
- Students in all AP level courses are **required to take the AP exam in May**. There is a fee for each AP course taken by the student. The fee for the test is covered in the School Fee but the cost of books is the responsibility of the family.

## HONORS

The following are the honors designations used by the Archdiocese of Philadelphia Secondary School System for implementation Fall 2011 for all students. Honors will be calculated on a quarterly basis and will **not** include semester assessments or the semester average. **Honors are computed at the 1<sup>st</sup> quarter, 2<sup>nd</sup> quarter, 3<sup>rd</sup> quarter, and 4<sup>th</sup> quarter.** Honors are determined by grade average as well as by lowest grade requirements; student placement is not considered. Students with a failure in any subject are not eligible for honors.

### First Honors

Grade Average – 93.0  
No grade lower than 90.0

### Second Honors

Grade Average – 88.0  
No grade lower than 85.0

## RANK IN CLASS

The academic standing of each student in relation to the other members of the class is calculated from the quality points attained. The rank in class is computed for each current year and also cumulatively for all four high school years. Rank is given only at the semester and final marking periods.

- Current Rank** – is determined by quality point average. The total number of quality points is divided by the number of credits received in tracked courses.
- Cumulative Rank** – is based on the average of total quality points accumulated for the number of years the student is in school.

## GRADING

The highest report card grade that may be given is **100**; the lowest passing grade is **70**; and the lowest reported failing grade is **60**.

The **Quarter Grade** reflects the progress that a student has made during that marking period. This grade is determined by the teacher and, depending on the academic discipline, will include major tests, assessments, quizzes, term papers, homework, labs, projects, oral reports, and classroom participation. A minimum of three (3) major marks must be included in the quartergrade.

The **1<sup>st</sup> Semester Grade** is comprised of 50% of the 1<sup>st</sup> Quarter Grade plus 50% of the 2<sup>nd</sup> Quarter Grade. The **2<sup>nd</sup> Semester Grade** is comprised of 50% of the 3<sup>rd</sup> Quarter Grade plus 50% of the 4<sup>th</sup> Quarter Grade.

The **Final Grade** determines whether or not the student has passed the course. This grade is 45% of the 1<sup>st</sup> Semester grade, added to 45% of the 2<sup>nd</sup> Semester plus 10% of the June exam grade.

Example:

	1S	2S	June Exam	Final
Actual Grade	80	85	90	
Percent	(45%)	(45%)	(10%)	
	36	38	9	<b>83</b>

The grades for semester courses that conclude in January carry over to the Final Grade Column. Only semester grades and the final grade appear on the permanent record card (transcript).

**Grade Point Average (GPA) is calculated in Jen-A-SYS**, an archdiocesan computer program, based on the final grade per course using the weighted scale below. Each course receives a GPA value and then the average GPA of all courses is calculated. The GPA will be reported on the transcript. Semester-long and year-long courses will be counted into the GPA. Implementation Fall 2011 (for the Class of 2015 and after).

Final Course	AP	Honors	College-Prep
90-100	4.3	4.1	4.0
80-89	3.3	3.1	3.0
73-79	2.3	2.1	2.0
70-72	1.3	1.1	1.0

## GRADECONNECT

The Office of Catholic Education has contracted *GradeConnect*, which allows students and parents to access and view academic progress. Conwell-Egan Catholic High School has enrolled all students in *GradeConnect*. Teachers are required to utilize *GradeConnect* to post quarter grades, homework assignments, due dates for projects, progress notices, etc. To obtain parent password access, you will need your child's user name and password to set up your parent account. We encourage you to use this as an additional tool in keeping up with your child's academic standing. Simply follow the instructions on the website for easy access. All Progress Reports are given via *GradeConnect*. Please check the school calendar and the *Eagle Eye* for dates of Progress Reports.

## GRADE CONVERSION

The following table is the Grade Conversion for all students transferring into an Archdiocesan school and for all Diocesan Scholars. For students who come from schools where an alpha grading system is used, the conversion from alpha grade to numeric grade is reflected on the following chart.

A+	99
A	96
A-	93
B+	89
B	86
B-	83
C+	79
C	76
C-	73
D+	72
D	71
D-	70
F	65

## PARENT-TEACHER CONFERENCES

Parent-Teacher Conferences are usually scheduled approximately mid-quarter, prior to the release of the quarter report card. There are three (3) scheduled meetings each year. The dates and times are listed on the school calendar, the *Eagle Eye* and on the report cards. When a previous failure, current failure, or poor performance is indicated, it is strongly encouraged that the parent(s) and the student use this time to meet with the teacher. These meetings provide the opportunity for all parties involved to discuss the steps required for the student to improve his/her grades.

## REPORT CARDS

Report cards are processed electronically and mailed four times a year. In addition to grades, the report cards provide an opportunity for teacher comments. The report also reflects attendance and conduct history. Grades for reports are recorded on *GradeConnect*, and parents should have a good idea of progress throughout the school year if *GradeConnect* is monitored and used properly.

## QUALITY POINTS

To compensate for the degree of work demanded in each track, a system of quality points has been devised. For each grade a corresponding number of quality points is assigned based on the track level of the subject. The current and cumulative rank in class are determined by these quality points.

GRADE	AP	Honors	College-Prep
<b>100</b>	54	48	44
<b>99</b>	53	47	43
<b>98</b>	52	46	42
<b>97</b>	51	45	41
<b>96</b>	50	44	40
<b>95</b>	49	43	39
<b>94</b>	48	42	38
<b>93</b>	47	41	37
<b>92</b>	46	40	36
<b>91</b>	45	39	35
<b>90</b>	44	38	34
<b>89</b>	43	37	33
<b>88</b>	42	36	32
<b>87</b>	41	35	31
<b>86</b>	40	34	30
<b>85</b>	39	33	29
<b>84</b>	38	32	28
<b>83</b>	37	31	27
<b>82</b>	36	30	26
<b>81</b>	35	29	25
<b>80</b>	34	28	24

GRADE	AP	Honors	College-Prep
<b>79</b>	33	27	23
<b>78</b>	32	26	22
<b>77</b>	31	25	21
<b>76</b>	30	24	20
<b>75</b>	29	23	19
<b>74</b>	28	22	18
<b>73</b>	27	21	17
<b>72</b>	26	20	16
<b>71</b>	25	19	15
<b>70</b>	24	18	14
<b>69</b>	23	17	13
<b>68</b>	22	16	12
<b>67</b>	21	15	11
<b>66</b>	20	14	10
<b>65</b>	19	13	9
<b>64</b>	18	12	8
<b>63</b>	17	11	7
<b>62</b>	16	10	6
<b>61</b>	15	9	5
<b>60</b>	14	8	4

## NOTICES OF UNSATISFACTORY WORK

*Progress reports* are ongoing for all students through the use of the *GradeConnect* program. Conwell-Egan Catholic teachers update *GradeConnect* throughout the quarter and post comments mid-quarter; in combination with the grades, the information posted will serve as the Progress Report.

*Failure Warnings for Students in Grades 9, 10, 11:* When failure in a particular subject seems probable for the semester grade or the final grade, parents and students are notified of the probable failure through *GradeConnect*. This failure warning is posted on *GradeConnect* at the time of the Progress Reports but can be posted up to 30 days prior to the close of the semester if progress deteriorates after Progress Reports. However, if a student's grade changes dramatically at any time during the semester, the failure warning may be issued at the time the problem surfaces with the permission of the Principal.

*Failure Warnings for Students in Grade 12:* Seniors follow the same policy as above except when failure in a particular subject seems probable for the final grade. *Parents/ guardians and students will be notified of the probable failure at least 30 days in advance by certified mail in order to provide time for remediation.*

## CREDIT RECOVERY

A failure for the school year means that the average of the first and second semester grades is below 70; it is also a judgment on the part of the teacher that the student has not worked according to ability. Consequently, credit cannot be issued and the student must enroll in Credit Recovery. All failures in any subject, required or elective, full and half-credit, must be rectified by participation in the Archdiocesan Credit Recovery Program and passing the subject(s) failed. This is a diocesan policy and, therefore, no exceptions will be made.

Archdiocesan policy stipulates that **Seniors** with any failures for the school year:

- DO NOT PARTICIPATE IN THE GRADUATION EXERCISES.
- Are mandated to complete the Credit Recovery Program to obtain credit for the course failed. The mandate applies to all courses.
- Must successfully make up those failures in order to receive a diploma.

Archdiocesan policy stipulates that **Underclassmen** with any failures for the school year must successfully complete the Credit Recovery for the courses failed in order to return to Conwell-Egan Catholic the following September.

It is the responsibility of the student to make plans to enroll and successfully complete the Credit Recovery Program for all failures.

## ACADEMIC PROBATION AND DISMISSAL

- Any Student with two failures at the end of the school year is placed on academic probation for the following year.
- A student on academic probation with more than two failures in any subject at the close of the first semester of the following year faces possible dismissal from Conwell-Egan Catholic in January.
- A student on academic probation with two failures in any subject at the close of the school year is liable to dismissal in June.
- A student on academic probation with one failure in any subject at the close of the school year remains on academic probation.
- A student receiving three academic failures in any subjects, required or elective, full or half-credit, at the close of the school year is liable to dismissal.
- Ninth grade students with five failures in any subjects at the end of the first semester may be dismissed in January.
- Tenth, eleventh and twelfth grade students with four or more academic failures in any subjects at the end of the first semester are liable to dismissal in January.

The administration retains the right to retain students who would normally be dismissed if they judge that there are grave reasons to do so, whether this judgment results from knowledge they gain independently or after consultation with other members of the faculty. No student may be failed who has indicated a reasonable effort.

## ACADEMIC INTEGRITY POLICY

The Archdiocese of Philadelphia and CEC are committed to the academic, social, ethical, and spiritual development of the entire learning community. We endeavor to foster an environment that supports the mission and values of Catholic education.

The Academic Integrity Policy is an essential element to its philosophy and practice of promoting academic excellence. It is a policy that defines the expected standards of conduct in all academic affairs. The Archdiocese of Philadelphia and CEC's mission is to foster a community of trust that will enhance student achievement. It is in that spirit of mutual trust that we uphold the highest ethical academic standards.

Academic Integrity or honesty includes but is not limited to:

- Producing one's own work,
- Attributing others' work according to the Modern Language Association (MLA) guidelines, Abiding by the rules and regulations set forth by individual school policies,
- Maintaining honor and trust in all academic affairs.

### **Academic Integrity Policy Violations**

**Cheating** includes but is not limited to:

- Copying or allowing others to copy from someone's work (tests, assignments, etc.);
- Unauthorized use of electronic devices, i.e. netbooks, calculators, cell phones, smart phones, I-Pads, Language Translators, etc.);
- Sabotaging the projects or experiments of others;
- Altering of a graded assessment and resubmitting it in another course without the teacher's permission or knowledge;
- Seeking unauthorized assistance on take-home or make-up assignments or assessments.

**Plagiarism** includes but is not limited to:

- Using another person's words, ideas or expressions (written or spoken) without the appropriate documentation;
- Copying and pasting any material from any source without giving credit to the source;
- Changing or substituting the words or order of words from another source and submitting then as one's own work;
- Quoting another's words, sentences, etc. without acknowledgement of the sources; Falsely creating data for an experiment or citing non-existent sources in any research;
- Failing to cite the words, pictures, music, or other forms of communication in any assessment;

The penalty for any act of academic dishonesty may include a grade of "F" for the assessment or assignment.

### **Responsibilities**

Student responsibilities include but are not limited to:

- Providing proper documentation for summarized, paraphrased, or quoted material from another's work;
- Avoiding the copying of homework or letting others copy one's own homework;
- Obtaining teacher's permission to work with others (other students, parents, tutors, etc.)

<b>EXTENDED ABSENCE</b>
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From time to time, students and their families encounter extraordinary and unavoidable circumstances that require the student to be absent from school for an extended period of time. When a student is to be absent for more than five class days, it is the responsibility of the student to contact his or her teachers to keep current regarding missed course material. In the event that a student is unable to contact the teacher, he/she should contact the Academic Office. CEC strongly discourages the scheduling of vacations during the academic year.

**COURSE DESCRIPTIONS**

† THEOLOGY COURSE OFFERINGS†

<b>102</b>	<b>BASICS OF CATHOLICISM</b>	<b>6ppc</b>	<b>1.00 cr. CP</b>	<b>Basic</b>
	Fundamental concepts of Catholicism are presented to students with little or no background in the Catholic faith. This course opens students to thinking about God and thus enabling them to appreciate the role of Catholic theology in their faith journey. It includes a history of Catholicism, Scripture, the Sacraments, Liturgy, the person of Christ, and the rights and dignity of the human person.			
<b>111</b>	<b>HONORS THEOLOGY I</b>	<b>6ppc</b>	<b>1.00 cr. HON</b>	<b>Gr. 9</b>
<b>112</b>	<b>THEOLOGY I</b>	<b>6ppc</b>	<b>1.00 cr. CP</b>	<b>Gr. 9</b>
	<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.			
	<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.			
121	<b>HONORS THEOLOGY II</b>	<b>6ppc</b>	<b>1.00 cr. HON</b>	<b>Gr. 10</b>
122	<b>THEOLOGY II</b>	<b>6ppc</b>	<b>1.00 cr. CP</b>	<b>Gr. 10</b>
	<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.			
	<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.			
<b>131</b>	<b>HONORS THEOLOGY III</b>	<b>6ppc</b>	<b>1.00 cr. HON</b>	<b>Gr. 11</b>
<b>132</b>	<b>THEOLOGY III</b>	<b>6ppc</b>	<b>1.00 cr. CP</b>	<b>Gr. 11</b>
	<i>Life in Jesus Christ</i> This course helps students understand the 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			
	<i>Living as a disciple of Jesus Christ in Society:</i> The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.			

*Ecumenical and Interreligious Issues:* 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.

*Responding to the Call of Jesus Christ:* This course presents the dimensions of love, sexuality, and married life. It explores such topics as dating, relationships, love, sex, cultural and Catholic expectations of marriage, responsible parenthood, and the factors contributing to marital success. It challenges the student to view marriage as a mutually rewarding and sacred relationship. This course also presents the vocations of single and religious life as true vocations in themselves, worthy of dignity and respect.

ENGLISH LANGUAGE ARTS COURSE OFFERINGS
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All students are required to participate in the Department's Summer Reading Program. A test on this material will constitute the first English grade for the first quarter.

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|------------|---------------------------------------|-------------|-----------------|------------|--------------|
| <b>211</b> | <b>HONORS ENGLISH LANGUAGE ARTS I</b> | <b>6ppc</b> | <b>1.00 cr.</b> | <b>HON</b> | <b>Gr. 9</b> |
| <b>212</b> | <b>ENGLISH LANGUAGE ARTS I</b>        | <b>6ppc</b> | <b>1.00 cr.</b> | <b>CP</b>  | <b>Gr. 9</b> |
- Critical Reading, Writing, and Speaking supported through Genre Studies**

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.

Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational tests, 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.

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|------------|-----------------------------------|-------------|-----------------|------------|---------------|
| <b>221</b> | <b>HONORS ENGLISH LANGUAGE II</b> | <b>6ppc</b> | <b>1.00 cr.</b> | <b>HON</b> | <b>Gr. 10</b> |
| <b>222</b> | <b>ENGLISH LANGUAGE ARTS II</b>   | <b>6ppc</b> | <b>1.00 cr.</b> | <b>CP</b>  | <b>Gr. 10</b> |
- Critical Reading, Writing, and Speaking supported through World and British Studies**

English Language Arts II is 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.

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 and by writing arguments to support claims in an analysis of substantive topics or texts. Student 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 World and British studies.

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|------------|---|-------------|-----------------|------------|---------------|
| <b>231</b> | <b>HONORS ENGLISH LANGUAGE ARTS III</b> | <b>6ppc</b> | <b>1.00 cr.</b> | <b>HON</b> | <b>Gr. 11</b> |
| <b>232</b> | <b>ENGLISH LANGUAGE ARTS III</b>        | <b>6ppc</b> | <b>1.00 cr.</b> | <b>CP</b>  | <b>Gr. 11</b> |
- Critical Reading, Writing, and Speaking supported through Early American Studies**

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.

**235 AP LANGUAGE AND COMPOSITION 6ppc 1.00 cr. AP Gr. 11, 12**

Advanced Placement English is designed for students who wish to earn college credits in English while still in secondary school. The Advanced Placement course is offered to students recommended and approved by their tenth grade teachers. 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 will be required to pay for and to take the Advanced Placement Examination in May of the school year. Students are required to take the AP Examination regardless of the course grade. All AP students must purchase the AP Practice Test Book. College credit may be gain for a score of 3 or better. Juniors will be given priority for scheduling this class.

**Prerequisite:** AP Potential ranking and recommendation of current teacher.

**241 HONORS ENGLISH LANGUAGE ARTS IV 6ppc 1.00 cr. HON Gr. 12**  
**242 ENGLISH LANGUAGE ARTS IV 6ppc 1.00 cr. CP Gr. 12**

**Critical Reading, Writing, and Speaking supported through Modern American Literature** English Language Arts IV is a required course for all twelfth 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 studies.

**245 AP LITERATURE AND COMPOSITION 6ppc 1.00 cr. AP Gr. 12**

This course is designed for students who have achieved the competence in reading and writing that will enable them to read and analyze works of literature on the collegiate level. Advanced Placement English 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. **All students will be required to pay for and to take the Advanced Placement Examination in May.** "The teacher serves as a discussion leader; critic and scholar

helping members of the class assume much of the responsibility of their own learning.” (Excerpt- Advanced Placement Course Description, Princeton College Board). The three-hour Advanced Placement Exam given in May tests the student’s ability to think critically and write analytically. Again, students are required to take the AP Examination regardless of the course grade. All AP students must purchase the AP Practice Test Book. College credit may be gained for a score of 3 or better.

**Prerequisite:** AP Potential ranking and recommendation of current teacher.

**239 HONORS COMMUNICATIONS 6ppc 1.00 cr. HON Gr. 12**

This course is a senior honors elective for twelfth grade students. It is a multi-faceted course that includes project-based learning, public speaking, creative writing, informative writing, and multi-media presentations. This course requires students to research, compose, edit, produce, present and evaluate multi-media 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.

**Prerequisite:** Students must have a general average of 90 or above in order to be considered for this class. Not offered every school year.

<b>SOCIAL STUDIES COURSE OFFERINGS</b>			
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|--|--|-------------|---------------------|---------------|
| <b>311</b>   | <b>HONORS WORLD HISTORY</b>                    | <b>6ppc</b> | <b>1.00 cr. HON</b> | <b>Gr. 9</b>  |
| <b>312</b>   | <b>WORLD HISTORY</b>                           | <b>6ppc</b> | <b>1.00 cr. CP</b>  | <b>Gr. 9</b>  |
| <p>A history of major world civilizations designed to explore the development of the modern global community and the spread of ideologies and cultures.</p> <p>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.</p>  |  |             |                     |               |
| <b>321</b>   | <b>HONORS AMERICAN GOV'T &amp; POLITICS</b>    | <b>6ppc</b> | <b>1.00 cr. HON</b> | <b>Gr. 10</b> |
| <b>322</b>   | <b>AMERICAN GOV'T &amp; POLITICS</b>           | <b>6ppc</b> | <b>1.00 cr. CP</b>  | <b>Gr. 10</b> |
| <p>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.</p> |  |             |                     |               |
| <b>331</b>   | <b>HONORS AMERICAN HISTORY</b>                 | <b>6ppc</b> | <b>1.00 cr. HON</b> | <b>Gr. 11</b> |
| <b>332</b>   | <b>AMERICAN HISTORY</b>                        | <b>6ppc</b> | <b>1.00 cr. CP</b>  | <b>Gr. 11</b> |
| <p>The first quarter of this course is an introduction to 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. <i>Note that the teacher will determine quarterly projects.</i></p>   |  |             |                     |               |
| <b>342</b>   | <b>PSYCHOLOGY</b>                              | <b>6ppc</b> | <b>1.00 cr. CP</b>  | <b>Gr. 12</b> |
| <p>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. Special requirements: Term and research papers will be required.</p>  |  |             |                     |               |
| <b>351</b>   | <b>H. COMPARATIVE GOVERNMENT&amp;ECONOMICS</b> | <b>6ppc</b> | <b>1.00 cr. HON</b> | <b>Gr. 12</b> |
| <p>Major world events of the later half of the 20<sup>th</sup> century will be studied. Special emphasis will be placed on the study of current problems and situations. These events will be viewed in their proper historical perspective. This course is designed to give the student a clear and in-depth understanding of our world in the 21<sup>st</sup> Century.</p>   |  |             |                     |               |
| <b>352</b>   | <b>COMPARATIVE GOVERNMENT&amp;ECONOMICS</b>    | <b>6ppc</b> | <b>1.00 cr. CP</b>  | <b>Gr. 12</b> |
| <p>Course will emphasize study of global awareness, social learning, civic decision-making and the sources of diversity. Students will participate in simulations, examine case studies and research socio- political structures around the world. The Curriculum Committee seeks to offer a course that will be a “culmination of three years of historical, political, economic and social learning that ties key ideas together” in order to send graduates out into the world with a respect for diverse peoples.</p>  |  |             |                     |               |

MATHEMATICS COURSE OFFERINGS
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Use of Calculators: In keeping with the NCTM standards, scientific calculators and/or graphing calculators will be used in all classes. Appropriate Apps for the iPad may also be used.

<b>411</b>	<b>HONORS ALGEBRA I</b>	<b>6ppc</b>	<b>1.00 cr.</b>	<b>HON</b>	<b>Gr. 9</b>
<b>412</b>	<b>ALGEBRA I</b>	<b>6ppc</b>	<b>1.00 cr.</b>	<b>CP</b>	<b>Gr. 9</b>

Based on the National Common Core Standards, students taking Algebra I will examine structure in equations, will perform arithmetic with polynomials and rational functions, 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.

<b>414</b>	<b>ALGEBRA IB</b>	<b>6ppc</b>	<b>.5 cr.</b>	<b>CP</b>	<b>Gr. 10</b>
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This course is the completion of Algebra I with an introduction to Algebra II. This course begins with solving systems of linear equations. Other topics include exponential rules which lead to polynomials and all methods of factoring, solving higher degree equations, and finding zeros of a function. Learning manipulations of radicals and an introduction to statistics and probability will also be covered.

<b>421</b>	<b>HONORS ALGEBRA II</b>	<b>6ppc</b>	<b>1.00 cr.</b>	<b>HON</b>	<b>Gr. 10</b>
<b>422</b>	<b>ALGEBRA II</b>	<b>6ppc</b>	<b>1.00 cr.</b>	<b>CP</b>	<b>Gr. 10</b>

Based on the National Common Core Standards, students taking Algebra II will interpret and build functions, analyze functions using various representations and will construct and compare linear and exponential models and solve problems. Students will engage in trigonometric functions, modeling periodic phenomena with trigonometric functions, and will prove and apply trigonometric identities. Students will reason abstractly and quantitatively, will construct viable arguments and critique reasoning of others and will use appropriate tools of mathematics strategically. **A graphing calculator and/or an App for the iPad is required.**

*Prerequisite for H. Algebra II: H. Algebra I or departmental approval*

*A small number of freshmen who had taken Algebra I in grade school and with exceptional results are considered for H. Algebra II*

<b>431</b>	<b>HONORS GEOMETRY**</b>	<b>6ppc</b>	<b>1.00 cr.</b>	<b>HON</b>	<b>Gr. 11</b>
<b>432</b>	<b>GEOMETRY</b>	<b>6ppc</b>	<b>1.00 cr.</b>	<b>CP</b>	<b>Gr. 11</b>

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.

*Prerequisite for H. Geometry: H. Algebra I or departmental approval*

*\*\* Department approval is required for sophomores who wish to take this course concurrently with Algebra II (aka "Double Math").*

**441 HONORS TRIG/PRECALCULUS** **6ppc 1.00 cr. HON Gr. 11**  
**442 TRIG/PRECALCULUS** **6ppc 1.00 cr. CP Gr. 12**

A more 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. Topics in data analysis, statistics, and discrete mathematics are explored. Mathematical modeling and applications are emphasized throughout, as well as the use of the graphing calculator to study pre-calculus topics. **A graphing calculator and/or an App for the iPad is required.**

**461 H. STATISTICS** **6ppc 1.00 cr. HON Gr. 11, 12**

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. *Pre-requisites: Algebra I, Algebra II, departmental approval and approval of the Academic Office.*  
**A graphing calculator and/or an App for the iPad is required.**

**451 HONORS CALCULUS** **6ppc 1.00 cr. HON Gr. 12**

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. *Prerequisite: H. Algebra I and 2, H. Geometry, H. Trig/PreCalculus.* **A graphing calculator and/or an App for the iPad is required.**

**455 AP CALCULUS 6ppc 1.00 cr. AP Gr. 12**

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. **A graphing calculator and/or an App for the iPad is required.** Students are required to take the AP Examination regardless of the course grade.

**NOTE:** To qualify students must have AP Potential ranking and teacher recommendation. Class size is limited.

**472 PERSONAL FINANCE 6ppc. 1.00cr CP Gr. 12**

The goal of Personal Finance is to help students to become financially responsible, conscientious members of society. This course supports the development of the students' understanding and skills in such areas as money management, budgeting, financial goal attainment, the wise use of credit, insurance, investments, and consumer rights and responsibilities. Students will participate in a simulation that enables them to manage a personal and household budget through the use of checking and saving accounts and demonstrate their knowledge of finance, debt, and credit management. The simulation will also enable student to evaluate and understand insurance and taxes through vendor selection.

<i>SCIENCE COURSE OFFERINGS</i>
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- 511 HONORS BIOLOGY** **6ppc 1.00 cr. HON Gr. 9 only**  
 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 1 pursues the study of: biological molecules; cellular structure and function; Mendelian and molecular genetics; and 3 domain classifications including botany and zoology. Emphasis is on strengthening the abilities to organize, to interpret, and to communicate data gathered in research that prepares students for further scientific endeavors.
- 512 PHYSICS 9** **6ppc 1.00 cr. CP Gr. 9**  
 Physics 9 is an introductory course for first year high school students. It uses extensive investigation to study the principles of motion, forces, matter and energy, electricity and magnetism, waves and sound, and light and optics. Emphasis will be placed on data collection and analysis to assure an understanding of the laws of physics and their application to chemistry, biology, forensic science and environmental science. The course will exercise the students in the practical application of mathematics to science and may be taken concurrently with Algebra I.
- 521 HONORS CHEMISTRY** **6ppc 1.00 cr. HON Gr. 10**  
 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, understandings and skills, which provide a foundation for students who hope to pursue careers in science. *Prerequisite: Algebra I, Track 1 with an Average of 80+ and Honors Biology with an Average of 85+.*
- 522 CHEMISTRY** **6ppc 1.00 cr. CP Gr. 10, 11**  
 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.
- 532 BIOLOGY** **6ppc 1.00 cr. CP Gr. 11**  
 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.
- 531 HONORS PHYSICS** **6ppc 1.00 cr. HON Gr. 11, 12**  
 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. *Prerequisite: Departmental recommendation and two years of Track 1 Math with grade no lower than 80 and Honors Chemistry.*

- 542 PHYSICS** **6ppc 1.00 cr. CP Gr. 12**  
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. While the level of mathematics is not as demanding as the honors physics course, basic algebra and geometry are used to a significant extent. A laboratory component is integral to the course. *Prerequisite: Algebra I and II, Geometry, Track 2, Average of 80*
- 545 AP BIOLOGY** **8ppc 1.00 cr. AP Gr. 11, 12**  
This course will take two slots on the student's roster (i.e. 4th period and 5th period). 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. All students in Advanced Placement Biology are required to take the Advanced Placement Examination in May. A summer assignment is required.  
**NOTE:** To qualify students must have AP Potential ranking and teacher recommendation and have completed Chemistry, Biology, and Algebra I & II.
- 550 AP CHEMISTRY** **8ppc 1.00 cr. AP Gr. 10, 11, 12**  
This course will take two slots on the student's roster (i.e. 4th period and 5th period). Advanced Placement (AP) Chemistry is designed to be the equivalent of a first year college-level general chemistry course. As such, the course is suitable only for high school students who are particularly capable in chemistry. AP Chemistry students need to exhibit unusually high levels of commitment, motivation and academic maturity. This is a lab-oriented course and requires that all students take the National AP Chemistry Examination in May. Course content follows the syllabus as dictated by the College Board. A summer assignment is required. *There is an AP testing fee and students must purchase their textbooks.*  
**NOTE:** To qualify students must have AP Potential ranking, teacher recommendation and must have completed Biology.
- 552 ENVIRONMENTAL SCIENCE** **6ppc 1.00 cr. CP Gr. 11, 12**  
This course is designed to give students a practical working knowledge of the ecosystems and the interaction of man. Topics include geology, the ecosystems, nutrient cycles, pollution, and the human impact on the environment. Students are encouraged to study current events relevant to ecology, recognize environmental problems, and see the need to adjust their own lifestyle and attitudes as a solution to these problems. Class activities, field studies, current events and data collection are required.  
*Prerequisite: Biology*

**561 HONORS ANATOMY/PHYSIOLOGY 6ppc 1.00 cr. HON Gr. 11, 12**

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 the health care field. Dissection of fixed materials is required. *Prerequisites: Biology and Chemistry.*

**572 FORENSIC SCIENCE 6ppc 1.00 cr. CP Gr. 11, 12**

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 Forensics aspect of 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 will emphasize inquiry-based learning and problem solving.

*Prerequisite: Biology and Chemistry*

*This course may be taken concurrently with Chemistry.*

<b>WORLD LANGUAGES COURSE OFFERINGS</b>
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*Conwell-Egan Catholic adheres to the Archdiocesan requirement that all students take a minimum of two consecutive years of a modern language. This requirement exists because it is essential for students to study at least two years of any one language to become proficient in that language.*

**621 HONORS MANDARIN I** **6ppc 1.00 cr. HON Gr. 9, 10, 11, 12**  
**622 HONORS MANDARIN II** **6ppc 1.00 cr. HON Gr. 10, 11, 12**

Mandarin Chinese is based on the Heijing dialect and is the national standard language of the People’s Republic of China and the Republic of China (Taiwan). Students will develop practical skills in listening, speaking, reading and writing in Mandarin. In addition, they will learn about the culture and customs.

**631 HONORS LATIN I** **6ppc 1.00 cr. HON Gr. 9, 10, 11, 12**

Latin is standard equipment. Through classical literature the student encounters the primary sources of Western Civilization. Latin is an academic discipline closely related to the study of all modern languages, literature, history, and science. Latin enables an understanding of the workings of language in general; it develops vocabulary and mental rigor while providing a means to make critical analysis. The study of Latin provides continuous exercise of the mind leading to correct reasoning and precise thinking. Latin is an excellent choice for expanding one's knowledge of the English language.

**651 HONORS SPANISH I** **6ppc 1.00 cr. HON Gr. 9, 10, 11**

Students with exceptional verbal, listening, and reading skills may be placed in this course. Material for this course is essentially the same as the course content for the other Spanish I course. Students with higher ability will be able to progress at an accelerated rate. Those enrolled in this 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 and a chance to learn about the 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 text book publisher, and those generated by the instructor.

**652 SPANISH I** **6ppc 1.00 cr. CP Gr. 9, 10, 11**

Spanish 1 is an *introduction* to the basic skills of world language study with an emphasis on speaking and listening comprehension. Correct pronunciation and intonation are areas stressed. Fundamentals of grammatical structures are presented and the student is introduced to the culture of the Spanish-speaking people through various educational media. 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 and a chance to learn about the products, practices and perspectives of the target cultures.

**654 HONORS SPANISH II** **6ppc 1.00 cr. HON Gr. 10, 11 12**

Honors Spanish 2 continues the work begun in Spanish 1 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.

**655 SPANISH II 6ppc 1.00 cr. CP Gr. 10, 11, 12**

Spanish 2 continues the work begun in Spanish 1 through a more comprehensive study of the basic skills of listening, speaking, reading, and writing. This is accomplished by the study of more complex grammar structures and more 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. Instructional materials that accompany the text as well as instructor created material are employed to supplement the language lessons.

**657 HONORS SPANISH III 6ppc 1.00 cr. HON Gr. 11, 12**

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 *Prerequisite: Satisfactory completion of Honors Spanish I and a first semester grade of 85 or above in Honors Spanish II or teacher recommendation in Spanish II.*

**670 HONORS SPANISH IV 6ppc 1.00 cr. HON Gr. 12**

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. Student will learn how to express, not only what they do, but also how they feel and what they believe about the world.

<b>BUSINESS COURSE OFFERINGS</b>
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- 722    MARKETING** **6ppc    1.00 cr.    CP Gr. 11, 12**  
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.
- 761    HONORS ACCOUNTING** **6ppc    1.00 cr.    HON Gr. 12**  
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 stockholder's 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).  
Pre-requisite: H. Trig/PreCalc (consideration given to special circumstances for other students)
- 772    ENTREPRENEURSHIP** **6ppc    1.00 cr.    CP Gr. 12**  
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.

## FINE ARTS COURSE OFFERINGS

### VISUAL ARTS COURSES

- 821 HONORS ART I - Foundation** **6ppc 1.00 cr. HON Gr. 9, 11, 12**  
Art 1 is a foundation 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.
- 831 HONORS ART II- Design** **6ppc 1.00 cr. HON Gr. 10, 12**  
Art 2 is an elective offered to grades 10, 11 and 12. These students will pursue a more advanced study of art than introduced in Art 1. 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.
- 841 HONORS ART III - Portfolio** **6ppc 1.00 cr. HON Gr. 11**  
This course is an elective offered to Honors Art students with an acceptable final grade in Honors Art 2. Art 3 is a portfolio 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. Specific course criteria and recommendation of the Department Chairperson is required.
- 851 HONORS ART IV** **6ppc 1.00 cr. HON Gr. 12**  
This course is designed for the serious artist. It will concentrate on problem solving, developing, and pursuing a theme and exploration of ideas.

### MUSIC COURSES

- 800 HONORS INSTRUMENTAL MUSIC** **6ppc. 1.00 cr. HON Gr. 9-12**  
The Concert Band is comprised of woodwind, brass, percussion, keyboard, and string musicians at the intermediate level in grades 9-12. Members of the Concert Band work on the development of instrumental ensemble performance skills, technique, and overall musicianship through a wide variety of music selections and rehearsal activities. Students are expected to practice regularly throughout the year. Private lessons are strongly encouraged for all students in the band. Attendance and participation is required at all concerts and performances, as well as dress rehearsals. Students hoping to make instrumental music performance an important part of their lives at Conwell-Egan Catholic will benefit from cultivating their skills in Concert Band. Any student successfully completing one year of H. Instrumental Music may reapply for successive years in the course. Students may take four (4) years of H. Instrumental music.
- 805 HONORS CHORAL MUSIC** **6ppc 1.00 cr. HON Gr. 9-12**  
Chorus is designed for students in grades 9-12 who are at an intermediate level of musicianship. Singers learn vocal technique and music literacy while studying and performing choral repertoire in a variety of styles, genres, and languages. Participation in two or three concerts a year, along with dress rehearsals and school liturgies, is required. Private voice lessons are strongly encouraged for all students in the chorus. Students hoping to make vocal music performance an important part of their lives at Conwell-Egan Catholic will benefit from cultivating their skills in Chorus. Any student successfully completing one year of H. Choral Music may reapply for successive years in the course. Students may take four (4) years of H. Choral music.

PHYSICAL EDUCATION AND HEALTH COURSE OFFERINGS
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**EACH STUDENT IS REQUIRED BY STATE LAW TO TAKE AND PASS HEALTH AND PHYSICAL EDUCATION IN ORDER TO GRADUATE.**

- 900    PHYSICAL EDUCATION/HEALTH                      6ppc    1.00 cr. CP            Normally Gr. 10**  
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 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, social drugs, communicable diseases, nutrition, fitness, physiology, CPR and first aid.

<b>EAST INITIATIVE</b> <b>(ENVIRONMENTAL AND SPATIAL TECHNOLOGY)</b>
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**782 HONORS EAST INITIATIVE****6ppc 1.00 cr. HON Gr. 9, 10, 11, 12**

EAST (Environmental And Spatial Technologies) is a course that empowers students to take responsibility for their education by giving them state of the art technologies and encouraging them to solve problems that they see in their communities. EAST students have access to a wide range of hardware and software including GPS/GIS (Geographic Information Systems), 3D design and animation, web design, graphic design, architecture, gaming and virtual/augmented reality systems as well as video and audio production platforms. Alongside all of the technical skills they gain, EAST students also learn vital skills in problem-solving, collaboration, research and both written and verbal communication. EAST students are encouraged to work with organizations within their communities to identify and help solve problems in new and innovative ways. 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. In addition, EAST students have the opportunity to collaborate with students in other EAST programs and are eligible to attend the annual EAST Conference held in Arkansas, which celebrates the work of EAST students nationally.

EAST is a class that may be taken all four years, with the level of project sophistication growing at each successive level. For more information about EAST, please visit [www.eastinitiative.org](http://www.eastinitiative.org).

**EAST is a graduation requirement for all CEC students (beginning with the Class of 2020). Every CEC student must take EAST for at least one year to fulfill that requirement.**

<b>SPECIAL SERVICES</b>
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Services are provided through the *Non-Public School District of the Bucks County Intermediate Unit*. The school administration reserves the right to assign students in need to these services and to continue their enrollment over the years as the need dictates. Students enrolled in **Critical Thinking** or obtaining tutoring services must have certain forms completed in order to receive these support services.

**023 CRITICAL THINKING**

**6ppc 1.00 cr. CP Gr. 9, 10**

Critical Thinking is an in-depth reading course, focusing on comprehension and study strategies. Comprehension skills are emphasized through close reading and include main idea, cause/effect, and theme. Study strategies are developed through intensive discussion and interaction with literature, current events, and content area textbooks. Writing skills are expanded through a variety of writing activities tied to the areas of literature discussed in class. Students review grammar in preparation for the PSAT, SAT, and ACT. Students also focus on study strategies and implement them in preparation for their other courses. Students concurrently take ELA; language study is postponed.

Catapult also offers tutoring services for all students who are in need of additional assistance in Mathematics. These services are scheduled through the Guidance Department in consultation with the mathematics teachers and the Academics Office.

**Prerequisite: To procure services from the Intermediate Unit, students must submit permission forms signed by parents authorizing the services of Catapult.**

## HOLY FAMILY UNIVERSITY DUAL ENROLLMENT OPPORTUNITIES



**Holy Family**  
UNIVERSITY

Dual Enrollment allows students to enroll in courses taught at CEC by Holy Family University faculty. Students who successfully complete these courses, receive college credit from HFU as well as AP level credits from CEC. The courses are open to 11<sup>th</sup> and 12<sup>th</sup> grade students who qualify academically.

**The course application fee is waived and the cost for each course is covered by the CEC School Fee.**

Each area of study has a course for each semester; therefore students registering must take both courses in that area of study. i.e. *Sociology 101* in the first semester & *Sociology 201* in the second semester. Students meet with the professors three days per week and have study hall the other two days. Some courses have an online component in conjunction with the classes at CEC. Courses listed are proposed, based on availability of instructor. If needed, an alternate first level course can be substituted.

Qualified Juniors are able to take one area of study as an elective in their Junior year (2 courses, 6 credits). Qualified Seniors are able to take two areas of study as electives in their Senior year (4 courses, 12 credits).

A separate HFU registration sheet must be filled out by the student and parent to complete the registration process once the student is accepted into an HFU course. Students are responsible to cover the cost of textbooks for the courses.

### **995 HFU SOCO 101/SOCO 210**

**12ppc 2.00 cr. AP/6 HFU cr. Gr. 11, 12**

#### **99501 SOCO 101 Introductory Sociology (First Semester)**

Broad introduction acquaints the student with basic concepts, including society culture, socialization, stratification, minority groups, social organization, and social institutions. Focuses on the development of a sociological perspective.

#### **99502 SOCO 210 Gender Issues (Second Semester)**

Analysis through reading and discussion of the physiological, social, emotional, and cultural correlates of gender. Expectation for gender-typed behavior is contrasted with the realities of men's and women's lives.

### **997 HFU ARTS 102/RELS 104**

**12ppc 2.00 cr. AP/6 HFU cr. Gr. 11, 12**

#### **99701 ARTS 102 Art Appreciation (First Semester)**

Develops a critical and appreciative attitude toward historical and contemporary painting, sculpture, and architecture. Lectures, slides, museum visits, and studio experiences enhance study of basic elements of the visual arts.

#### **99702 RELS 104 World Religions (Second Semester)**

Survey of basic beliefs and practices of major contemporary religious traditions with an emphasis on comparing their perspectives on truth, ultimate reality, human destiny, and morality.