2019-2020

COURSE CATALOG
ST. EDWARD HIGH SCHOOL

"We can state in a word the kind of teaching we wish to impart. We do not want our students to be ignorant of anything they should know. To this end, we shall avoid no sacrifice. We shall always place education side by side with instruction; the mind will not be cultivated at the expense of the heart. While we prepare useful citizens for society, we shall likewise do our utmost to prepare citizens for eternal life."

Father Basil Moreau Founder of the Congregation of Holy Cross

MISSION STATEMENT

St. Edward High School, a Catholic school in the Holy Cross tradition, educates the minds and hearts of young men to have the competence to see and the courage to act as men of faith.

We believe in:

- **FAITH**: Formation of young men in a Faith-based tradition that is God-centered and emphasizes the acceptance of each person
- **EXCELLENCE**: An ongoing commitment to excellence in academics, as well as co-curricular programs
- **RELATIONSHIPS**: A welcoming, family-oriented school community
- **SERVANT LEADERSHIP**: Servant Leadership as a way of life for all our community members

PRINCIPAL
Mr. James Reed III

DEAN OF ACADEMICS
Ms. Yvonne Saunders

SCHOOL COUNSELORS
Mr. Thomas Carey, Director of Counseling
Mrs. Colleen Ganor
Mr. Colin Landies
Mr. Grant Wanner

COLLEGE COUNSELORS
Ms. Moira O’Riordon, Director of College Counseling
Mrs. Desiree Gould
Mr. James Knight
Mr. Geoff Morton

REGISTRARS
Mr. Mike Homza
Mr. Tom Splawski

OFFICE MANAGER
Mrs. Lois Weaver

Counseling Center: 216-221-4230
COURSE REGISTRATION POLICIES

A. COURSE SELECTION

Registration will be conducted January through March. Students and parents are encouraged to read this catalog thoroughly. Students should select their courses based on the information contained in this catalog, coupled with input from faculty and their assigned school counselor. Students and parents also need to recognize that course selections are final. Students have an opportunity to meet with their respective counselors during the course selection process. Counselors will use this meeting time to assist each student in choosing courses that will best enable him to meet the graduation requirements, while also affording him educational opportunities that will best match his academic abilities and future plans. It is important that students submit their selections in a timely fashion as failure to do so may result in being closed out of courses. Alternate choices are required for all elective courses.

- **ACADEMIC COURSE LOAD**: All students are required to carry a minimum of six classes each semester. Freshmen usually carry seven classes per semester.

- **GRADUATION**: Requirements are listed on pages 5-6. All students must complete all required courses and earn a minimum of 24 credits to be eligible to graduate.

B. SCHEDULE CHANGES

Before registering for courses for the year, students should first read this course catalog thoroughly and choose their courses carefully. Once registration is completed, courses will be changed for the following conditions without penalty

- There is an error in the original schedule.
- The student is academically misplaced.
- There is a scheduling conflict among chosen courses.
- Individual elective courses were cancelled due to insufficient enrollment.
- Teacher initiated change.

If a student notices an error in their schedule, they should contact their counselor before the semester begins to make the correction. Once the semester begins, students cannot withdraw from a class unless there are medical or academic reasons which justify the withdrawal.

C. STUDENT INITIATED COURSE ADDITION/WITHDRAWAL

Students who need to make a course addition or withdrawal should consider the following policies. Student additions/withdrawals must be completed within the first 20 days of the semester. Students must follow the procedures for a schedule change beginning with meeting with their counselors and completing the schedule change form. **There is also a $25.00 charge that must be paid.** Students should keep in mind that they can change schedules at the semester without penalty.
GRADING SCALE

97-100 = A+
93-96  = A
90-92  = A-
87-89  = B+
83-86  = B
80-82  = B-
77-79  = C+
73-76  = C
70-72  = C-
67-69  = D+
63-66  = D
60-62  = D-
0-59   = F

QUALITY POINT SCALE

<table>
<thead>
<tr>
<th>Grade</th>
<th>Standard</th>
<th>Honors</th>
<th>A.P. or weighted I.B.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>4.3</td>
<td>4.8</td>
<td>5.3</td>
</tr>
<tr>
<td>A</td>
<td>4.0</td>
<td>4.5</td>
<td>5.0</td>
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<tr>
<td>A-</td>
<td>3.7</td>
<td>4.2</td>
<td>4.7</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
<td>3.8</td>
<td>4.3</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>3.5</td>
<td>4.0</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td>3.2</td>
<td>3.7</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
<td>2.8</td>
<td>3.3</td>
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<tr>
<td>C</td>
<td>2.0</td>
<td>2.5</td>
<td>3.0</td>
</tr>
<tr>
<td>C-</td>
<td>1.7</td>
<td>2.2</td>
<td>2.7</td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
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<td>D-</td>
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<tr>
<td>F</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

DETERMINING SEMESTER GRADES

All official credit will be graded on a semester basis. Semester grades are determined by weighing the quarter one and quarter two grades at 85%; the semester examination is valued at 15%.
**HONOR ROLL**

Honor Roll is achieved with a GPA of 3.3 in any given quarter. With a GPA of 3.7 or above, a student achieves High Honor Roll status.

**GRADUATION REQUIREMENTS**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Theology</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>English</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Language Acquisition</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Health</strong></td>
<td>½</td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>½</td>
</tr>
<tr>
<td><strong>Community Service</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Elective Courses</strong></td>
<td>Varies</td>
</tr>
</tbody>
</table>

**Language Acquisition**

- One credit of English required at the standard, honors, AP, or IB level (elective courses do not count toward fulfillment of this credit.)

**Social Studies**

- Required courses in World History, US History, Government, and one course that meets economic/financial literacy requirement

**Language Acquisition**

- 2 years of the same language
- 3 years recommended

**Fine Arts**

- ½ credit typically earned in Grade 7 or 8

**Health**

- Can be taken online

**Physical Education**

- Exemption with sport or marching band participation for 2 seasons

**Community Service**

- Completion charted through theology classes

**Elective Courses**

- Varies

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**Classes of 2020-2022 IB Diploma Candidates**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Theology</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>English</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>3-4</td>
</tr>
<tr>
<td><strong>Second Language Acquisition</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Health</strong></td>
<td>½</td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>½</td>
</tr>
<tr>
<td><strong>Theory of Knowledge (TOK)</strong></td>
<td>1</td>
</tr>
</tbody>
</table>

- Varies depending upon IB course choices
- Varies depending upon IB course choices
- ½ credit typically earned in Grade 7 or 8
- Can be taken online
- Exemption with sport or marching band participation for 2 seasons
- Begins in junior year
<table>
<thead>
<tr>
<th>Extended Essay</th>
<th>Begins in Junior Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS Program</td>
<td>Begins in Junior Year</td>
</tr>
<tr>
<td>Community Service</td>
<td>Completion charted through theology classes</td>
</tr>
<tr>
<td>Elective Courses</td>
<td>Varies</td>
</tr>
</tbody>
</table>

**Advanced Course Offerings**

**Honors Courses**
- Honors English 1
- Honors English 2
- Honors World History
- Honors US History and Government
- Honors Algebra 2
- Honors Geometry
- Honors Geometry with Statistics and Vectors
- Honors Precalculus
- Honors Vector Precalculus
- Honors Biology
- Honors Chemistry
- Honors Environmental Science
- Honors Physics
- Honors French 1, 2
- Honors Latin 1, 2, and 3
- Honors Spanish 1, 2, and 3

**Advanced Placement (AP) Courses**
- AP English Language and Composition
- AP English Literature and Composition
- AP US History
- AP US Government and Politics
- AP Comparative Government and Politics
- AP Macroeconomics & Microeconomics
- AP Calculus AB
- AP Physics C: Electricity and Magnetism
- AP Latin
- AP Spanish Language and Culture
INTERNATIONAL BACCALAUREATE (IB) COURSES

- IB Literature SL
- IB Literature HL
- IB French SL
- IB Latin SL
- IB Spanish SL
- IB History of the Americas/20th Century World History HL
- IB 20th Century World History SL
- IB Psychology SL
- IB Biology SL
- IB Biology HL
- IB Chemistry SL
- IB Chemistry HL
- IB Physics SL
- IB Physics HL
- IB Design Technology SL
- IB Design Technology HL
- IB Computer Science SL
- IB Mathematical Studies SL
- IB Mathematics SL
- IB Mathematics HL
- IB Film Studies SL
- IB Film Studies HL
- IB Music Perspectives SL
- IB Theory of Knowledge/Extended Essay/CAS

NOTE: SL = STANDARD LEVEL; HL = HIGHER LEVEL
**THE COLLEGE CREDIT PLUS PROGRAM**

The College Credit Plus Program has been established to permit high school students to earn college and high school graduation credit through the successful completion of college courses. The program is intended to provide expanded opportunities for appropriately qualified high school students to experience coursework at the college level. College courses should supplement the broad academic preparation needed by high school students. These courses would be in addition to AP and IB courses which also provide students with an opportunity to attain college credit. Selected courses at St. Edward qualify as College Credit Plus courses and will earn credit towards both high school graduation and college credit. Courses can also be taken at the college/university. These courses must be enrichment college courses and not remedial. Students must also meet the college admission criteria.

Please note that students in non-public schools are not guaranteed funding through College Credit Plus. But if funding is not approved, families can still pay for the class for a nominal fee and will still receive college credit.

Contact your school counselor for more details on how to apply.

**College Credit Plus courses available at St. Edward High School**

**English**
- College Composition I (available to seniors)
- Introduction to Fiction (available to seniors)

**Pre-Engineering**
- Digital Control Systems 1 (available to sophomores, juniors, and seniors)
- Digital Control Systems 2 (available to sophomores, juniors and seniors)

**Fine Arts**
- Ceramics I (available to juniors and seniors)
DEPARTMENT OF ENGLISH

THE FOLLOWING ENGLISH COURSES ARE REQUIRED:

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>ENGLISH 1 OR HONORS ENGLISH 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRADE 10</td>
<td>ENGLISH 2 OR HONORS ENGLISH 2</td>
</tr>
<tr>
<td>GRADE 11</td>
<td>NON-IB DIPLOMA CANDIDATES: ENGLISH 3 OR AP ENGLISH LANGUAGE AND COMPOSITION OR IB LITERATURE SL OR HL YEAR ONE</td>
</tr>
<tr>
<td></td>
<td>IB DIPLOMA CANDIDATES: IB LITERATURE SL OR HL YEAR ONE</td>
</tr>
<tr>
<td>GRADE 12</td>
<td>NON-IB DIPLOMA CANDIDATES: ENGLISH 4 OR IB LITERATURE HL OR SL YEAR TWO OR AP ENGLISH LITERATURE AND COMPOSITION OR COLLEGE COMPOSITION I AND INTRODUCTION TO FICTION</td>
</tr>
<tr>
<td></td>
<td>IB DIPLOMA CANDIDATES: IB LITERATURE HL OR SL YEAR TWO</td>
</tr>
</tbody>
</table>

**ENGLISH 1**

**COURSE 011**

- Grade 9
- 2 semesters
- ½ credit each semester

In this course, students gain basic skills in composition, grammar, literature, and vocabulary. Instruction in composition includes formulating a thesis statement and mastering the five-paragraph essay. An introduction to research methods and MLA format is also included. Opportunities for writing include expository essays, persuasive essays, descriptive essays, narratives, and creative writing. The proper use of grammar is emphasized as a component of composition instruction. Instruction in literature includes basic elements such as theme, plot, character, and setting, as well as literary techniques and styles. Short stories, plays, novels, and poetry are analyzed, as literature and composition are blended throughout the course. Regular vocabulary lessons will be administered.

**HONORS ENGLISH 1**

**COURSE 010**

- Grade 9
- 2 semesters
- ½ Honors credit each semester

In this course, students gain advanced skills in composition, grammar, literature, and vocabulary. Instruction in composition includes formulating and supporting an original thesis statement. Mastery of
the five-paragraph essay is the focus of writing instruction, and an introduction to research methods and MLA format is also included. Opportunities for writing include expository essays, persuasive essays, descriptive essays, narratives, and creative writing. The proper use of grammar is emphasized as a component of composition instruction. Instruction in literature includes basic elements such as theme, plot, character, and setting, as well as literary techniques and styles. Short stories, plays, novels, and poetry are analyzed, as literature and composition are blended throughout the course. Critique and analysis are advanced at this level. Regular vocabulary lessons will be administered.

**ENGLISH 2**
- Grade 10
- 2 semesters
- ½ credit each semester

This course builds upon the composition, grammar, literature, and vocabulary skills acquired in the freshman year. A variety of compositions, including both expository and persuasive essays, will be written. Composition instruction emphasizes the writing process, and includes a major research project, with an emphasis on research methods and skills. The proper use of grammar is emphasized through formal lessons and as a component of composition instruction. Instruction in literature includes a variety of works and genres. Vocabulary is studied throughout the year.

**HONORS ENGLISH 2**
- Grade 10
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: application and department approval

This course builds upon the composition, grammar, literature, and vocabulary skills acquired in the freshman year. In addition to reading and analyzing a variety of literary works and genres, students will study schools of literary criticism. Presuming mastery of the five-paragraph essay, instruction in composition includes experimentation with form and style in order to increase effectiveness. A variety of compositions are assigned, including literary analysis and a major research paper. The expectations in terms of analytical thinking, interpretive skills, and writing ability are high at this level. The proper use of grammar is emphasized through formal lessons and as a component of composition instruction. The amount of reading, writing, and vocabulary in this course is significantly greater than in standard English.

**ENGLISH 3**
- Grade 11
- 2 semesters
- ½ credit each semester

The main focus of this course is the reading and analysis of our American literary heritage from its beginnings to the present, emphasizing outstanding figures and works of recognized quality for analysis and enrichment. A formal review of selected grammar and usage topics is conducted periodically throughout each term. Composition work includes exposition, argumentation, literary analysis, and the personal essay. Research methods and skills are reinforced. In addition, students practice test-taking strategies designed to maximize the students’ scores on standardized tests. Vocabulary is studied throughout the year.
**AP ENGLISH LANGUAGE AND COMPOSITION**

- Grade 11
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: application and department approval
- AP exam fee

The main focus of this course is the reading and analysis of our American literary heritage from its beginnings to the present, emphasizing outstanding figures and works of recognized quality for analysis and enrichment. Composition work includes exposition, argumentation, literary analysis, and the personal essay. Research methods and skills are reinforced. Fulfillment of writing assignments in this course requires significantly more work than in English 3, with a greater emphasis placed on style and depth. In addition, a unit of study within the course is devoted to developing test-taking strategies designed to maximize the students’ scores on the verbal section of the SAT and the AP Language and Composition exam. This course is advanced, and is recommended for highly motivated students with strong study skills. Students are required to take the AP exam in May.

**IB LITERATURE SL**

- Grades 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Criteria for selection: application and department approval for those not pursuing the IB diploma
- Students taking this course but are not pursuing an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This course develops understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. In language A: literature, the formal analysis of texts and wide coverage of a variety of literature—both in the language of the subject and in translated texts from other cultural domains—is combined with a study of the way literary conventions shape responses to texts. Students will work to effectively develop skills of analysis and the ability to support of an argument in clearly expressed written and spoken formats.

**IB LITERATURE HL**

- Grades 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Criteria for selection: application and department approval for those not pursuing the IB diploma
- Students taking this course but are not pursuing an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

In this course, students study a wide range of literature and are encouraged to appreciate the artistry of literature and to develop an ability to reflect critically on their reading. Works are studied in their literary and cultural contexts, through close study of individual texts and passages, and by considering a range of critical approaches. Students study texts from a variety of genres, including drama, poetry, and prose nonfiction, with a special emphasis on the novel. Students will also study works in translation, which are especially important in introducing students, through literature, to other cultural perspectives. The
response to this study of literature is through oral and written communication, thus enabling students to develop and refine their command of the English language.

**ENGLISH 4**

- Grade 12
- 2 semesters
- ½ credit each semester

The main focus of this course is the reading and analysis of British and world literature from its beginnings to the present, emphasizing outstanding figures and works of recognized quality for analysis and enrichment. Composition work includes exposition, argumentation, literary analysis, and the personal essay. Research methods and skills are reinforced, and all students are required to write at least two research papers. Public speaking skills are also reinforced through both formal and also extemporaneous student presentations and speeches.

**AP English Literature & Composition**

- Grade 12
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: application and department approval
- AP exam fee

The main focus of this course is the reading and analysis of both classic and contemporary literature, emphasizing outstanding authors and major works in all genres. Research methods and skills are reinforced, and all students are required to write two major research papers. Classes are conducted seminar-style, and active class participation on a consistent basis is expected. This course is advanced, and is recommended for highly motivated students with strong study skills. Students are required to take the AP exam in May.

**College Composition I**

- Grade 12
- 1 semester
- 1 credit
- College Credit Plus dual enrollment is available for students who qualify • Admission to Lorain County Community College (LCCC) is a requirement.
- College Composition I and Introduction to Fiction are required for any student not enrolled in English 4, AP English Literature and Composition, or and IB English course.

An introduction to fundamental college-level skills in academic reading and writing. Summary, analysis, synthesis, and research documentation are emphasized, along with critical thinking and collaborative learning. English Core Course.
Introduction to Fiction

- Grade 12
- 1 semester
- 1 credit
- College Credit Plus dual enrollment is available for students who qualify
- Admission to Lorain County Community College (LCCC) is a requirement.
- College Composition I and Introduction to Fiction are required for any student not enrolled in English 4, AP English Literature and Composition, or and IB English course.

The study of short stories and novels to acquaint the general student with important themes and critical perspectives applicable to fiction. Humanities Core Course.

Creative Writing

- Grades 10-12
- 1 semester
- ½ credit

This course focuses on the fundamentals of composition and storytelling while maintaining a flexible understanding of what a text is or can be. It is designed to enable students to become better poets, dramatists, songwriters, and/or writers of short fiction. Regardless of whether the student aims to become a poet who is able to deftly handle metaphors and concrete imagery, a comic book artist who wishes to develop a more acute sense of how to marry graphics to text, or a raconteur who can move an audience through his characters and stories, this course will provide the student with the skills to communicate and express himself with greater passion and focus.

Public Speaking

- Grades 9-12
- 1 semester
- ½ credit

In this introductory course, students have an opportunity to gain skill, self-confidence, and fluency in public speaking. Students develop an understanding of both basic communication principles and public speaking strategies by presenting speeches that both inform and persuade. Delivery techniques and theories of impromptu public address are introduced and practiced through a series of extemporaneous exercises.
FILM STUDIES                COURSE 052
• Grades 11-12
• 1 semester
• ½ credit

Movies cast a spell over us by transporting us to an imaginary world. This elective course will screen a representative series of films. Students will be asked to respond to these films by composing a series of short papers and a final long paper.

WRITING FOR PUBLICATION          COURSE 060
• Grade 10-12
• Approval of newspaper, yearbook, or literary arts magazine adviser required
• 1 semester
• Pass/fail and therefore not included in the GPA
• ½ credit

This course is designed to prepare students in written communication, journalism, and graphic design required for publication. This course includes both theory and practice in identifying, researching, and writing articles; editing materials for publication; and designing graphic layouts. Students must actively engage in the preparation of one of the school's student publications: The Edsman (newspaper), Edwardian (yearbook), or Flight (literary arts magazine). Specific roles may vary; faculty advisers will determine the specific duties and requirements for earning credit.

READING DEVELOPMENT               COURSE 091
• Grade 9
• 2 semesters
• ½ credit each semester

This course is designed to improve the student’s reading and comprehension skills. Areas stressed are comprehension, vocabulary, study skills, flexibility of reading rate, critical reading skills, and independent reading. In addition, skills in objective and essay test taking and the organization and implementation of a plan of study for the student’s various classes are emphasized. Note: Students enrolled in this course do so in lieu of a foreign language freshman year. Foreign language will then begin in the sophomore year.
# DEPARTMENT OF SOCIAL STUDIES

The following Social Studies courses are required:

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>WORLD HISTORY OR HONORS World History</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRADE 10</td>
<td>HONORS US HISTORY AND GOVERNMENT (FOR PRE-IB CANDIDATES ONLY)</td>
</tr>
<tr>
<td>GRADE 11</td>
<td>NON-IB DIPLOMA CANDIDATES: US HISTORY OR AP U.S. HISTORY OR IB HISTORY OF THE AMERICAS HL</td>
</tr>
<tr>
<td>IB DIPLOMA CANDIDATES: IB GROUP 3: ONE 1- OR 2-YEAR COURSE</td>
<td></td>
</tr>
<tr>
<td>GRADE 12</td>
<td>NON-IB DIPLOMA CANDIDATES: AP AMERICAN GOVERNMENT &amp; POLITICS OR IB 20TH CENTURY WORLD HISTORY HL OR AMERICAN GOVERNMENT AND ONE OF THE FOLLOWING FINANCIAL LITERACY* COURSES: ECONOMICS BUSINESS &amp; ENTREPRENEURSHIP AP COMPARATIVE GOVERNMENT AND POLITICS AP MACRO/MICROECONOMICS (*UNLESS FINANCIAL LITERACY COURSE WAS TAKEN SOPHOMORE OR JUNIOR YEAR)</td>
</tr>
<tr>
<td>IB DIPLOMA CANDIDATES: 2ND YEAR OF GROUP 3 – ONLY IF TAKING HL</td>
<td></td>
</tr>
</tbody>
</table>

## WORLD HISTORY

**COURSE 112**

- Grade 9
- 2 semesters
- ½ credit each semester

This course examines the development of human populations from the Enlightenment to modern day. Students will trace the evolution of social, political, economic, and religious systems and examine the role of the environment in determining and affecting the progression of culture. Students will also explore topics such as innovation and technological change and their impact on cultural development. Using primary and secondary sources, students will be expected to comprehend, analyze, and evaluate through a variety of written and project-based assessments.
**HONORS WORLD HISTORY**  
**Course 115H**
- Grade 9
- 2 semesters
- ½ Honors credit each semester

This survey course focuses on the identification and evaluation of the patterns in World History that continue to influence present world society. Emphasis will be placed on analyzing and understanding historical themes such as poverty, classism, militarism, self-determination, trade, and political, social and industrial development. Using both primary and secondary sources, students will be expected to demonstrate their knowledge of these themes and their current impact using both oral and written assignments. Students will also be required to participate in a Model United Nations simulation in the fall of the year.

**HONORS US HISTORY AND GOVERNMENT**  
**Course 125**
- Grade 10
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: Department approval
- Required for all students intending to pursue the IB diploma

This course focuses on both the history and also the government of the United States during the 19th and 20th centuries. Students will continue to enhance their skills of gathering, sorting and evaluating historical and political evidence. Through written and oral expression, students must demonstrate their ability to recognize, organize, analyze and appreciate selected historical events and their political, economic and social consequences.

**UNITED STATES HISTORY**  
**Course 132**
- Grade 11
- 2 semesters
- ½ credit each semester

The fundamental objective of this course is to provide students with a comprehensive understanding of the political, economic and social development of the United States from 1877 to the present. The students will also recognize the evolution of the United States as a world power, the role of the U.S. in the world, and its relationship with other nations in the world. Furthermore, the course is designed to provide an intellectual foundation for observing, analyzing and understanding our contemporary American society. Essentially, the students will examine the nation's past to understand how it shaped the present, and will possibly shape the future.

**AP UNITED STATES HISTORY**  
**Course 130**
- Grade 11
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: Successful completion of a free-response essay under the supervision of an AP instructor; department approval
- AP exam fee: $93.00
This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the materials and problems of United States history. The course seeks to develop students’ capacity to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. To that end, the course is both reading and writing intensive, and draws from a number of supplementary documents, essays, and works of interpretive history. Students are required to take the AP exam in May.

**AMERICAN GOVERNMENT**

- Grade 12
- 1 semester
- ½ credit

This one-semester course is a survey of the events, issues, and individuals that have shaped American government. It includes a survey of the historical underpinnings of our government, as well as a detailed analysis of the Constitution and the evolution of party politics, executive power, popular democracy, and our system of checks and balances. All three branches of the government will be studied in depth.

**ECONOMICS**

- Grades 11-12
- 1 semester
- ½ credit
- This course meets the economic/financial literacy graduation requirement.

This introductory survey course provides the student with exposure to numerous economic principles. The course begins with a general overview of economics as the science of cost, benefit, and choice. Microeconomic concepts are subsequently introduced in the context of how individual choices affect supply and demand and the organization and development of individual enterprises and markets. The course also explains macroeconomics through the examination of Gross Domestic Product, unemployment, inflation, recession and depression, banking, and monetary and fiscal policy. A unit on personal finance is also included.

**AP UNITED STATES GOVERNMENT & POLITICS**

- Grade 12
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: ‘B’ average or better in English and Social Studies classes; department approval
- This course meets the economic/financial literacy graduation requirement.
- AP exam fee

AP Government and Politics is a college level course that explores the political theory and everyday practice that direct the daily operation of the U.S. government and shape our public policies. It will also provide the students with an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and analysis of specific examples. Finally, students are required to the AP exam in May.
**AP Macroeconomics & Microeconomics**

- Grades 11-12
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: ‘B’ average or better in English and Social Studies classes; department approval
- This course meets the economic/financial literacy graduation requirement.
- AP exam fee: $93.00

The purpose of this course in economics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, as well as, an understanding of the economic system as a whole. The course places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. It also focuses on the study of national income and price-level determination, and develops students’ familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students will use graphs, charts, and data to analyze, describe, and explain economic concepts. Students are required to take AP examinations in May; they may take exams for both topics or have the option to choose one exam.

**AP Comparative Government & Politics**

- Grade 12
- 1 semester
- ½ AP credit
- Criteria for selection: ‘B’ average or better in English and Social Studies classes; department approval required
- This course meets the economic/financial literacy graduation requirement but does not replace the American government requirement.
- AP exam fee

The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. Students will analyze the political and economic systems of six countries: China, Great Britain, Iran, Mexico, Nigeria and Russia. Finally, students are required to take the AP exam in May.

**IB History of the Americas/20th Century World History HL**

- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester

Criteria for selection approval for those not pursuing an IB diploma: Successful completion of a free-response essay under the supervision of an IB - HL instructor; department approval
- This course meets the economic/financial literacy graduation requirement but does not replace the American government requirement.
• Students taking this course but are not pursuing an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

Within this course, students will demonstrate a historical understanding of the Americas, including the United States, Canada and Latin America, through a comparative multi regional analysis of cultural, socioeconomic and political issues. In the second year, students will conduct an in-depth study of the causes, practices, and effects of war, the rise of the single party states, and conflict and intervention, with an in-depth investigation of Kosovo and Rwanda in the 1990s. Students will be required to comprehend, analyze, evaluate, and integrate source material critically as historical evidence through a series of internal and external assessment.

**IB 20\textsuperscript{th} Century World History SL**
- Grade 11-12
- 2 semesters (1 year)
- ½ IB credit each semester
- Criteria for selection: department approval for those not pursuing an IB diploma
- This course meets the economic/financial literacy graduation requirement but does not replace the American government requirement.
- Students taking this course but are not pursuing an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This one-year IB course will focus on events, individuals and ideas that have shaped the human experience. This course will analyze 20th Century World History with an emphasis on topics such as causes, practices and effects of war, the rise of single-party states, and independence movements. The prescribed subject for this course is conflict and intervention which is an in depth investigation of Kosovo and Rwanda in the 1990s. Students will be required to comprehend, analyze, evaluate, and integrate source material critically as historical evidence through a series of internal and external assessment.

**IB Psychology SL**
- Grade 11 or 12
- 2 semesters (1 year)
- ½ IB credit each semester
- Criteria for selection: department approval for those not pursuing an IB diploma
- This course does not meet the Group III requirement for the IB diploma but can be used to fulfill the Group VI requirement.
- Students taking this course but are not pursuing an IB must sit for and submit all IB required assessments; registrations and subject fees are applicable.

Psychology is a social science that focuses on the study of the mind and behavior. Since behavior is anything that can be observed and measured, heavy emphasis will be placed on research methodology. Students will be expected to understand how psychological ideas are generated, developed, and applied. Proof of this understanding will be demonstrated in student-conducted research and experiments. Students will gather a better understanding of themselves and others’ own behavior. Heavy emphasis will be placed on the biological, cognitive, sociocultural, and abnormal fields of psychology.
Business and Entrepreneurship  
- Grades 10-12  
- 1 semester  
- ½ credit  
- This course meets the economic/financial literacy graduation requirement.

Business drives the economic pulse of the world, and this course is a comprehensive introduction for students to its key operations. It will provide an overview and foundational understanding of such topics as marketing, business writing, advertising, manufacturing, and sales, as well as a general introduction to financial planning. The course will include general strategies and practices that businesses implement to stay ahead in a competitive world. The knowledge that students attain from this course will give them a base foundation to understand business and the ability to excel in more focused and concentrated business studies.

Advanced Business and Entrepreneurship  
- Grades 10-12  
- 1 semester  
- ½ credit  
- Prerequisite: Business and Entrepreneurship  
- Criteria for selection: interview with teacher; department approval

Upon successful completion of the Business and Entrepreneurship course, students will be immersed into a deeper level of business operations. Topics will include the history of business and entrepreneurship in America, business concepts, market planning, financial planning and cost accounting, an introduction to international business, and starting their own personal business. These business models will prove to be a valuable resource for students who plan to study business in college or to start their own businesses.

Law  
- Grades 11-12  
- 1 semester  
- ½ credit

The fundamental objective of this course is for students to develop an understanding of the organization of the United States Legal system. Students will also gain a comprehension of some basic legal concepts related to procedural and substantive law. Students will be introduced to cases, statutes and the Constitution, the sources of all of our laws. Essentially, this course will create an opportunity for the students to develop a strong legal vocabulary and to build their analytical skills.
Four years of mathematics are required. Courses will vary according to academic ability and performance.

**Course Scope and Typical Sequence**

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
<th>Junior Year</th>
<th>Senior Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra 1 →</td>
<td>Geometry/Stats → Algebra 2 →</td>
<td></td>
<td>Precalculus or Trig/Math Topics</td>
</tr>
</tbody>
</table>


Honors Algebra 2 → Honors Geometry → Honors Precalc →

Honors Algebra 2 → Honors Geo/Stats → IB Mathematics HL → IB Mathematics HL

**Algebra 1 (Standard Level)**

- Grade 9
- 2 semesters
- ½ credit each semester

This course presents the basic structure of our number system through the use of modern mathematical terminology and methods. The basic topics included are the real number system, operations with real numbers, using variables, solving equations, inequalities, graphing linear functions, exponents, polynomials, rational expressions, radicals, and quadratic functions. Stress is placed upon the understanding of concepts, and solving practical problems from everyday life and science. A graphing calculator is required. (TI-83/84 Plus is the school’s standard calculator.)

**Algebra 1 (Basic Level)**

- Grade 9-10
- 2 semesters
- ½ credit each semester

This course thoroughly develops basic math concepts and reinforces essential math skills. The basic structure of our number system is presented through the use of modern mathematical terminology and methods, but at a slower pace and with less rigor than Algebra 1, course 211. Topics included are the
real number system, operations with real numbers, using variables, solving equations, inequalities, graphing linear functions. Stress is placed upon the understanding of concepts, and solving practical problems from everyday life and science.

**ADVANCED ALGEBRA 1 AND ACCELERATED GEOMETRY**

- Grade 9
- 2 semesters
- ½ credit each semester
- Note: Students are expected to achieve at a level of B- (80%) or higher in the first semester to move on to Accelerated Geometry in the second semester. Those not achieving at B- or higher will be moved to Algebra I (#211) for the second semester to achieve mastery of Algebra.

This is a full year of intensive development of algebraic and geometric skills. It is designed for students who have a high aptitude in math but have not completed a rigorous course in Algebra 1. The first semester will be an intensive study of Algebra 1. The second semester will be an intensive study of Geometry with emphasis on problem solving for college entrance exams. Upon completion of this course, students are expected to take the Honors Algebra 2 course in their sophomore year. A graphing calculator (the TI-83/84 is the math department’s recommendation) is required for the course.

**HONORS ALGEBRA 2**

- Grade 9-10
- 2 semesters
- ½ Honors credit each semester

Designed for the incoming freshman with a strong math aptitude who has completed a full year course in Algebra 1, this course is a rigorous development of Algebra 2, with a strong emphasis on proof and logic. Areas covered include solving equations and inequalities; solving systems; factoring polynomials; simplifying rational expressions; working with radicals and quadratic, polynomial, exponential, and logarithmic functions; complex numbers, and conic sections. A graphing calculator is required. (TI83/84 Plus is the school’s standard calculator.) A placement exam is required.

**GEOMETRY WITH STATISTICS**

- Grade 10
- 2 semesters
- ½ credit each semester

This course covers the fundamentals of Euclidean Geometry. Topics include linear and angle relations, triangle relationships, the Pythagorean Theorem, right triangle trigonometry, polygons, circular relations, and solid geometry. There will be special emphasis on review for College Board mathematics as part of this course. The course also includes an introduction to statistics that includes probability, probability distributions, and hypothesis testing. A variety of mathematical analyses will be explored. A graphing calculator (TI-83/84 Plus suggested) will be required.
**GEOMETRY (BASIC LEVEL)**

- Grade 10-11
- 2 semesters
- ½ credit each semester

This basic course covers the fundamentals of Euclidian Geometry. Topics include linear and angle relations, triangle relationships, the Pythagorean Theorem, right triangle trigonometry, polygons, circular relations, and solid geometry. Students are encouraged to have a graphing calculator for this course.

**HONORS GEOMETRY**

- Grade 10
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: department approval
- Prerequisite: Honors Algebra 2

This course utilizes a project-based approach to help students recognize and apply geometric concepts and relationships in the real world. Students will also develop logical reasoning skills by learning to formulate fluent, mathematically-sound arguments. Included in the course are introductory topic extensions in the fields of Physics and Engineering, Probability and Statistics, and Calculus. A TI-83/84 Plus calculator is required.

**HONORS GEOMETRY WITH STATISTICS AND VECTORS**

- Grade 10
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: department approval
- Prerequisite: Honors Algebra 2

This course develops inductive and deductive reasoning skills through the use of direct and indirect methods of proofs. Algebra 2 topics, such as rational, radical, absolute value, and exponential functions, along with matrices are included in this course. Geometry and trigonometry are included in this course in order to introduce students to the behavior of circular functions and vectors. Statistics topics include studying both continuous and discrete distributions like the binomial, geometric, Poisson and normal distribution. A TI-83/84 Plus calculator is required.

**ALGEBRA 2 (STANDARD LEVEL)**

- Grade 10-12
- 2 semesters
- ½ credit each semester

A rigorous development of algebra with a strong emphasis on proof and logic. Areas covered include working with variables, solving linear equations and inequalities, solving systems of sentences, factoring polynomials, finding roots of polynomial functions, simplifying rational expressions, working with radicals and quadratic functions, complex numbers, solving exponential and logarithmic equations and analyzing these functions, and conic sections. A TI-83/84Plus calculator is required.
**ALGEBRA 2 (BASIC LEVEL)**

- Grades 10-12
- 2 semesters
- ½ credit each semester

This basic course contains the topics of a conventional Algebra 2 course including equations and inequalities, linear relations and functions, systems of equations and inequalities, polynomials, working with quadratic equations, quadratic relations and functions, and conic sections. A TI-83/84Plus calculator is required.

**PRECALCULUS**

- Grades 11-12
- 2 semesters
- ½ credit each semester

The study of the translation of functions, families of functions including odd and even functions, polynomial, rational, exponential, and logarithmic functions, inverses, circular trigonometric functions, trig identities and proofs, polar coordinates, and complex number theory. The end of the course starts a study of limits, which leads the student into the appreciation of the derivative in calculus. A TI-83/84Plus calculator is required.

**HONORS PRECALCULUS**

- Grade 11-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: department approval
- Prerequisites: Honors Geometry or Honors Geometry with Statistics and Vectors

Topics covered in this course include the development of polynomial and transcendental and inverse functions, analytic geometry, unit circle trigonometry, trigonometric identities and solving trigonometric equations, polar equations and their graphs, vector analysis and limits as a strong preparation for the study of calculus. The theory of mathematics is discussed in great detail, and students are expected to begin some development of mathematical creativity and thought, as well as maintain accuracy in computation and application. A TI-83/84Plus calculator is required.

**TRIGONOMETRY AND MATH TOPICS**

- Grade 12
- 2 semesters
- ½ credit each semester

This course covers fundamental topics in trigonometry including analytic geometry, the unit circle, and basic trigonometric identities. A heavy emphasis on algebraic functions will be highlighted throughout the course. Essential to this course will be a continuous exploration of how techniques and concepts learned can be applied to enhance problem solving abilities in everyday life. A TI-83/84Plus calculator is required.
AP CALCULUS AB

- Grade 12
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: department approval
- Prerequisite: Precalculus or Honors Precalculus
- AP exam fee

This initial course in Calculus thoroughly covers both the techniques and applications of both differential and integral calculus. All topics from the College Board’s suggested content guide for Calculus AB are covered. Students are required to take the AP exam in May.

IB MATHEMATICS HL

- Grades 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Criteria for selection: department approval
- Prerequisite: Honors Geometry with Statistics and Vectors
- Students taking this course but are not pursuing an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This course is designed as the equivalent of a college introductory mathematic course to meet both the AP Course Description recommended by the College Board as well as all requirements of the IB SL Mathematics HL curriculum, including participation in an individual assessment (IA). Students are required to take the IB assessments and are required to take the AP exam. The IB Math HL curriculum consists of eight core topics, some of which are covered in the student's Algebra II and Geometry courses. Both of these are prerequisites for IB Math HL, and are typically taken in the freshman and sophomore years. The topics in IB Math HL include Algebra, Functions and Equations, Circular Functions and Trigonometry along with two- and three-dimensional Vector Geometry, Matrices (along with Matrix Algebra), Probability and Statistics and Calculus, along with an in-depth study of differential equations and infinite series. The Calculus curriculum includes all topics in the Advanced Placement BC Calculus course through polar, parametric and infinite series with an added emphasis on techniques of writing and solving differential equations. In addition to IB assessments, students are required to take the AP Calculus BC Exam in May of their senior year.

DATA SCIENCE

- Grade 12
- 2 semesters
- ½ credit each semester
- Prerequisite or Corequisite: Precalculus or Honors Precalculus

The study of mathematics from an analytic perspective is a practical approach to applications of mathematics. Problem solving, analyzing and interpreting data, and mathematically based decision making skills will be reinforced and strengthened. Students will learn about current trends across a wide range of industries including; sports, science, business and healthcare as well as the opportunity to work with companies in these areas in a collaborative nature. The course will cover three major topics; Data Collection and Management, Introduction to Computer Programming, and Data Analysis / Advanced Statistics. The course will provide students with a foundation for education beyond high school and employment in today's ever-changing job market.
DEPARTMENT OF SCIENCE

The following science courses are required:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Course</th>
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<tbody>
<tr>
<td>Grade 9</td>
<td>Biology or Physical Science or Honors Biology</td>
</tr>
<tr>
<td>Grade 10</td>
<td>Chemistry or Honors Chemistry or Honors Physics (for Pre-IB candidates only)</td>
</tr>
<tr>
<td>Grade 11</td>
<td>Physics or Honors Physics</td>
</tr>
<tr>
<td></td>
<td>IB Group 4 1- or 2-year choice (for IB candidates only)</td>
</tr>
<tr>
<td>Grade 12</td>
<td>Honors Physics (for those who took AP Chemistry junior year) IB Group 4 1- or 2-year choice (for IB candidates only)</td>
</tr>
</tbody>
</table>

**Biology**

- **Course 311**
- Grade 9
- 2 semesters
- ½ lab credit each semester

This course explores the physical and chemical conditions that sustain and affect all living things. It also investigates the way living things are structured and how they operate in their environment. Classroom discussion, lectures, and laboratory investigations complement each other in creating a strong science background.

**Honors Biology**

- **Course 310**
- Grade 9
- 2 semesters
- ½ Honors lab credit each semester

This course explores the unity of structure and function found in the great diversity of living things. Emphasis is on the cell, genetics, biotechnology and evolution. Students are expected to participate individually and collaboratively in labs, class-work, and research.

**Physical Science**

- **Course 309**
- Grade 9 – With Department Approval

This course is designed to help the student understand and interpret data gathered in a variety of science settings. The class will focus on lab skills needed for future science classes, report generation, and data analysis with computer applications. Topics will be included from a broad range of the physical sciences including chemistry and physics.
Chemistry is the study of matter, its structure, properties and behavior. Quantitative and qualitative labs support the course material. Topics in this college preparatory course include classifications of matter, nomenclature, reactions, stoichiometry, periodic table organization, atomic theory, and equilibrium. Use of the scientific method and problem solving are stressed.

Honors Chemistry

This course is an in-depth study of chemistry for the science-oriented, math-proficient student. Theories are discussed and mathematical skills are quantitatively supported in the lab. Topics include atomic theory, stoichiometry, bonding, gas laws, equilibria, acid/base theory, and oxidation/reduction. This course stresses observation, interpretation, problem-solving, and critical thinking. This course is designed for students that are planning to be enrolled in Honors Physics, AP Chemistry or any HL IB science.

Physics

Physics is the study of the physical world, and in particular, the interactions of matter and energy. This course is designed for the serious student who desires a college-prep level study of mechanics and energy. Emphasis will be on lab and graphical analysis. Students will be expected to use algebra and trigonometry to solve problems in the course.

Honors Physics

This honors level physics course will be an in-depth study of the fundamentals of all areas of mechanics, energy, electricity and magnetism. It is designed for students who expect to take AP Physics C (Mechanics and Electricity & Magnetism) in the senior year and intend to pursue a science-oriented career. The course emphasizes a laboratory based, self-discovery approach, leading to an understanding of the process of scientific deduction. Algebra and geometry/trigonometry skills are expected to be well above average and will be used rigorously in this course. Students are expected to study and read extensively outside of the class assigned time and must complete a summer assignment before the
course begins. Your time and presence outside the school day (before or after the school day) will be required for this class.

**IB Biology SL**

- Grade 11 or 12
- 2 semesters (1 year)
- ½ IB lab credit each semester
- Criteria for selection: department approval
- Students taking this course but are not pursuing an IB diploma must sit for and submit either IB required assessments, the AP test or both; registrations and subject fees are applicable.

This course is designed as the equivalent of a college introductory biology course to meet both the AP Course Description recommended by the College Board as well as all requirements of the IB SL Biology curriculum, including participation in an individual assessment (IA). The course will cover biology topics including evolution, ecology, molecular biology, molecular genetics, and organismal biology. The course will have a heavy focus on the development of laboratory skills, quantitative reasoning, and scientific thinking. The course will prepare students to complete BOTH examinations in May, but only the specific test for the chosen course will be required. Because the test registration dates are after the first quarter, students may opt for one or the other or both tests depending on their preferences.

**IB Biology HL**

- Grades 11-12
- 4 semesters (2 years)
- ½ IB lab credit each semester
- Criteria for selection: department approval
- Students taking this course but are not pursuing an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

Biology is the study of life. The vast diversity of species makes biology both an endless source of fascination and a considerable challenge. Biologists attempt to understand the living world at all levels from the micro to the macro using many different approaches and techniques. Biology is still a young science, and great progress is expected in the 21st century. This progress is important at a time of growing pressure on the human population and the environment. By studying biology in the DP students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the sciences. Teachers provide students with opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings.

**IB Chemistry SL**

- Grade 11 or 12
- 2 semesters
- ½ IB lab credit each semester
- Criteria for selection: department approval
- Prerequisite: 231 Corequisite 230
- Students taking this course but are not pursuing an IB diploma must sit for and submit either IB required assessments, the AP test or both; registrations and subject fees are applicable.
This course is designed as the equivalent of a college introductory chemistry course to meet both the AP Course Description recommended by the College Board as well as all requirements of the IB SL Chemistry curriculum, including participation in an individual assessment (IA). IB Chemistry SL is a challenging one-year course requiring 110 hours of coursework and 40 hours of practical (lab) work. Students will examine the core topics of chemistry, including measurement and data processing, quantitative chemistry, atomic structure, periodicity, bonding, acids and bases, oxidation-reduction reactions, energetics, kinetics, equilibrium, organic chemistry, and one chosen topic area that will allow for the application and utilization of theories learned. The course is laboratory-based, and students will be required to research, organize, write, and present scientific concepts. There is an expectation that students will need to spend some time outside of the normal school hours to complete laboratory requirements. It is recommended that students enter this course from the honors science track. If not currently in honors summer homework may be a requirement.

**IB Chemistry HL**
- Grades 11-12
- 4 semesters (2 years)
- ½ IB lab credit each semester
- Criteria for selection: department approval
- Corequisite: Honors Precalculus
- Students who take this course but do not pursue an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This two-year course requires 180 hours of coursework and 60 hours of practical (lab) work and combines academic study with the acquisition of investigational skills through the experimental approach. Students will examine core and higher level topics including measurement and data processing, quantitative chemistry, atomic structure, periodicity, bonding, acids and bases, oxidation reduction reactions, energetics, kinetics, equilibrium, organic chemistry, and one chosen topic areas that will allow for the application and utilization of theories learned. The course is a laboratory based and students will be required to research, organize, write and present scientific concepts. Students are expected to apply mathematical concepts mastered in Algebra II for the first year and are currently enrolled in Honors Precalculus or HL Math as a junior. It is highly recommended that students enter this course from the honors science track.

**AP Physics C: Electricity & Magnetism**
- Grade 12
- 2 semesters
- ½ AP lab credit each semester
- Criteria for selection: department approval
- Prerequisite: Physics or Honors Physics
- Corequisite: AP Calculus AB, IB HL Math Y2
- Criteria for selection: Interview with Ms. McTernan required
- AP exam fee

This college-level second-year physics course will be an in-depth study of the fundamentals of electricity and magnetism and is designed to give necessary pre-college background for students who wish to succeed in a physics or engineering-oriented career. The course emphasizes a laboratory based, problem-solving approach, continuing the student’s development in the process of scientific deduction. Thorough previous knowledge of year-one physics, algebra, trigonometry, and graphical analysis is required. Concepts of calculus will be used where appropriate. Concepts of calculus will be used where
appropriate. There is a mandatory summer assignment to assist in course preparation. Students are required to take the AP Physics C E&M exam in May. Additional topics will include nuclear and atomic physics.

**IB Physics SL**
- Grade 11-12
- 4 semesters (2 years)
- ½ IB lab credit each semester
- Criteria for selection: department approval
- Corequisite: 230 or 241
- Students taking this course but are not pursuing an IB must sit for and submit all IB required assessments; registrations and subject fees are applicable.

IB Physics SL is a comprehensive two-year pre-university course that is designed to allow students to obtain a secure knowledge of the physical models that are used to explain motion, force, energy, and the interaction of objects in the physical universe. By the end of the course, students will have a broad understanding of the various fields encompassed by physics, including topics in modern physics. Students will continue to be introduced to the way scientists work and communicate with each other by performing laboratory experiments, using the scientific method, and writing laboratory reports. Students will spend more than 40 hours (over 25% of instruction time) performing these laboratory experiments.

**IB Physics HL**
- Grade 11-12
- 4 semesters (2 years)
- ½ IB lab credit each semester
- Criteria for selection: department approval
- Corequisite: IB HL Math or AB Calculus track
- Students taking this course but are not pursuing an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

IB HL Physics HL is a two-year course requiring 180 hours of coursework and 60 hours of practical (lab) work. This course combines academic study with the acquisition of investigation skills through the experimental approach. Students will examine topics in: Measurements and uncertainties, Mechanics, Thermal physics, Waves, Electricity and magnetism, Circular motion and gravitation, Atomic, nuclear and particle physics, Energy production, Wave phenomena, Fields, Electromagnetic induction, Quantum and nuclear physics, and one additional option. The course is a laboratory based and students will be required to research, organize, write, and present scientific concepts. It is highly recommended that students enter this course from the honors science track. Students are expected to apply mathematical concepts mastered in Algebra II in the first year and be currently enrolled in Honors Precalculus or HL Math as a junior.
**Environmental Science**  
**Course 360**  
- Grade 12  
- 2 semesters  
- ½ credit each semester  
- Prerequisites: Biology, Chemistry and, Physics

This course will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study.

**Honors Environmental Science**  
**Course 360H**  
- Grade 12  
- 2 semesters  
- ½ credit each semester  
- Prerequisites: Biology, Chemistry and, Physics  
- Prerequisite/Co-requisite: Pre-Calculus/ Data Science

Students enrolled in this course will be exposed to innovative problem solving methods for a wide range of environmental topics. Students will look to nature for modernized solutions to environmental problems by utilizing principles rooted in the field of biomimicry. Students will be provided the opportunity to explore the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Applications and analysis of data related to the environmental topics studied will be a cornerstone of the course.

**Human Anatomy and Physiology**  
**Course 361**  
- Grade 12  
- 2 semesters  
- ½ credit each semester  
- Prerequisites: Biology, Chemistry and, Physics

This course is designed for seniors who desire to develop an understanding and appreciation of the human body. This course is designed to be an advanced study of the human body for students with an interest in pursuing a career in a health-related field. Topics include anatomical structures, physiological systems, and body functions. Students will acquire skills used in the classification of data, experience in oral and written communication of data, and skills in drawing logical inferences and predicting outcomes. Students will apply the principle of physiology to human health and evaluate the applications and career implications of physiology and anatomy principles.
HONORS FRENCH 1  
- Grades 9-12  
- 2 semesters  
- ½ Honors credit each semester  

The objective of this course is to focus on obtaining a high proficiency in the areas of speaking, listening, reading, and writing. Students should expect to have more homework on a nightly basis. By the end of the first year of the honors track, the student should be able to state what he likes/prefers to do in his free time, extend invitations and make requests, describe himself, another person, and objects, make plans with another person using time and location, ask and answer questions concerning age, origin, nationality and profession, talk about his home, meals, and the chores he does routinely, and use health related expressions with parts of the body. The goal is to be able to hold a comprehensible conversation in both the present and past tenses by the end of the course.

HONORS FRENCH 2  
- Grades 9-12  
- 2 semesters  
- ½ Honors credit each semester  
- Criteria for selection: department approval  

The objective is to focus on obtaining a high proficiency in the areas of speaking, listening, reading, and writing. Students should expect to have more homework on a nightly basis. By the end of the second year of the honors track, students should be able to discuss holidays, give opinions, inquire about future plans, ask for directions when lost and give directions, voice a complaint, express frustration, recount past events, make a suggestion to another, express an event they are looking forward to attending, describe a health problem and give/listen to instructions, ask for a hotel room and reasonably communicate in the hotel setting, compose a letter to a friend and request to borrow an object from another, form complements and order food in a restaurant, ask what someone prefers, make an observations on their surroundings, express appreciation, ask someone to lend them an item, hypothesize in the conditional tense, propose a solution to a problem, express future goals, and state what they have been wanting to do and make known when they need something. Along with building a strong understanding of the present and past tense, students will learn various types of irregular verbs of the two tenses, use direct and indirect object pronouns, use reflexive verbs, and also be able to differentiate between the passé composé and the imparfait in all four proficiency areas of second language acquisition.
**IB French SL**

- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Criteria for selection: department approval
- Students taking this course but are not pursuing an IB must sit for and submit all IB required assessments; registrations and subject fees are applicable.

The first year of this course involves intense language acquisition through listening, speaking, reading and writing and culture. Students are encouraged to communicate in French using vocabulary and grammar from previous levels of study. Students will perform individual and group work to build upon and improve communication skills in the target language. The second year of the course involves listening, reading, speaking, writing and culture components in French. Students work individually and in groups to analyze debate and discuss a variety of issues and texts.

**Latin 1**

- Grades 9-12
- 2 semesters
- ½ credit each semester

This course is an introduction to classical Latin, including its pronunciation, vocabulary, and grammar. The reading of Latin will be emphasized, as will the English derivation of words from Latin. Students will study basic classical mythology and Roman culture as well.

**Honors Latin 1**

- Grade 9-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: department approval

This course is an introduction to classical Latin, which presupposes no prior background in Latin; however, its pace is brisker than the standard Latin I course’s, and students will be given the chance to learn a good deal more grammar and vocabulary than in standard Latin I. In addition, Greek myth and Roman history will be explored in greater depth and students will develop a familiarity with Latin phrases used in English. The goal of this class is to prepare students for reading the great Latin classics of Julius Caesar, Cicero, Pliny, Ovid, Vergil, Horace, and Catullus by the end of a second year of Honors Latin or by the start of Honors or IB third year.

**Latin 2**

- Grades 10-12
- 2 semesters
- ½ credit each semester

This course is a review and continuation of Latin 1. More complex grammatical concepts, including pronouns, comparative and superlative adjectives and participles. Students’ study of mythology will be more in-depth as they translate passages about the Greek gods and heroes.
**HONORS LATIN 2**
- Grades 10-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: department approval

This course is a review and continuation of Honors Latin 1. Complex grammatical concepts, including infinitive phrases and participles will be studied at an accelerated rate. Conditional sentences, gerundive phrases, and subjunctive clauses, will be introduced. In the fourth quarter, students will be exposed to selections from Julius Caesar's Gallic War or readings of comparable difficulty.

**LATIN 3**
- Grades 11-12
- 2 semesters
- ½ credit each semester
- Criteria for selection: department approval

This course continues the study of Latin grammar and vocabulary and introduces a survey of a wide range of original Roman works. Students will read a variety of literature: the epic poetry of Vergil, the satire of Juvenal, love poems of Catullus and Horace and the war stories of Julius Caesar.

**HONORS LATIN 3**
- Grades 11-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: department approval

This course is designed to begin preparing students for the AP Exam in their final year. It includes an introduction to Latin literature and readings from such authors of prose as Caesar, Cicero, and Pliny and the epic poetry of authors like Ovid and Vergil.

**AP LATIN**
- Grades 11-12
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: department approval
- AP exam fee: $93.00

In this course, students will study the background, content, and structure of Julius Caesar’s Gallic Wars and Vergil’s Aeneid. Assignments will include translation of original texts from Latin to English, outside readings in English on classical Greek and Roman themes, and essays in English on topics related to poetry, mythology, culture, history, and art. Students are required to take the AP Latin exam in May.
**IB Latin SL**

- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Criteria for selection: department approval
- Students taking this course but are not pursuing an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

The standard level coursework will emphasize developing students’ ability to read, translate, and comprehend selections of original Latin prose and poetry. Students will also explore the language, literature, and culture of ancient Rome with the purpose of deepening their understanding of the inextricable link between culture and language and the continuing influence of ancient cultures on our modern world. Topics in the first year include Roman oratory, history, government, and architecture. These topics will be explored by translating and discussing various Roman authors such as Cicero, Catullus, Horace, Vergil, and Ovid. During the second year students will continue their study of Latin focusing on the epic poetry of Vergil, the lyric poetry of Catullus, and the odes of Horace. Satisfactory completion of Latin II (Honors) is highly recommended for this advanced language course.

**Spanish 1**

- Grades 9-12
- 2 semesters
- ½ credit each semester

This introductory course is designed for students with little to no background in Spanish. A foundational course, it presents a structured, proficiency-based approach to mastering the four skills of a second language: speaking, listening, reading and writing. After a strong foundation of basic information (exchanging greetings, saying where you are from, counting and saying the alphabet, telling time, describing weather, etc.) is built, the student will learn to: use the subject pronouns with ser, gustar, articles and adjective agreement to talk about what he and others are like and what they like to do after school; use tener and present tense -ar verbs, the verbs estar, and ir to describe his school schedule, classes and feelings; use gustar with nouns, present tense -er and -ir verbs, possessive adjectives and comparatives to talk about what food he and others like or dislike and to describe his family members; use stem changing verbs and direct object pronouns to talk about shopping and places in town; and to use ser and estar and informal commands to describe a house, furniture and chores.

**Honors Spanish 1**

- Grades 9-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: department approval

This is an accelerated course intended for the for the highly motivated student who has either: a) had some exposure to Spanish in grade school but not enough to test out of level one; b) are intending to participate in the International Baccalaureate Program; or c) have scored high on the English Placement test and want to challenge themselves with an honors language course. Topics covered include greetings, introductions, the verb ser, time and date, alphabet, describing people, forming questions, the verb gustar, articles, immediate future tense, querer + infinitive, regular present tense verbs, tener idioms, irregular “yo” verbs, stem changing verbs, direct and indirect object pronouns, affirmative informal
commands and ordinal numbers; distinguishing between ser/estar and saber/conocer; regular preterit past tense, common irregular preterit verbs; reflexive verbs, present progressive tense and demonstrative adjectives. The student will use these structures to communicate about after school activities, foods and beverages, daily schedules, classes, feelings, family, clothes and shopping; to describing a house, chores furniture, parties; sports, staying healthy, body parts; using technology, making plans to visit places of interest, daily routines and vacation plans, leisure activities.

**SPANISH 2**
- Grades 9-12
- 2 semesters
- ½ credit each semester

This course utilizes the base students gained in Spanish 1 to further students’ ability to read, write and interpret the Present, Preterit, and Imperfect Tenses. Other grammatical concepts, including commands, object pronouns, reflexive pronouns, demonstrative adjectives, and present progressive tense will be studied. Thematic Vocabulary centers on describing your community, physical fitness and daily routines, leisure and vacation activities, clothing and shopping.

**HONORS SPANISH 2**
- Grades 9-12
- 2 semesters
- ½ Honors credit each semester
- Department approval required

This accelerated course is for the highly motivated student. It will expand his ability to communicate in Spanish in written and spoken forms while strengthening his verbal, auditory, and cultural understanding. The student will use pronouns and irregular preterit verbs to talk about vacation experiences; demonstrative adjectives, reflexive verbs and the present progressive tense to talk about sports and healthy routines; irregular “yo” verbs and preterit stem changing verbs to talk about clothes and shopping at markets and traditional stores; the imperfect past tense and the preterit of -car,-gar, zar verbs to talk about legends and ancient and modern Mexico; formal commands, negative expressions and double object pronouns to talk about food in the Spanish culture; informal commands and the present subjunctive to talk about movies and entertainment; the subjunctive in impersonal constructions and comparatives and superlatives to talk about media, and the future tense to talk about the environment and professions.

**SPANISH 3**
- Grades 10-12
- 2 semesters
- ½ credit each semester

In this course, students will refine and reinforce all the grammatical and thematic topics previously acquired in Spanish 1 and 2. In addition, the student will expand his knowledge of regular and irregular verbs, using future tense, making commands, distinguishing between past tenses, and learning about the subjunctive mood. By the end of the course, he should be able to express opinions and ideas about nature and the environment, volunteer work, media, social issues and professions.
HONORS SPANISH 3
- Grades 10-12
- 2 semesters
- ½ Honors credit each semester
- Criteria for selection: application and department approval

This accelerated course requires the student to communicate both orally and in writing with advanced grammar and sophisticated vocabulary. The student will continue to refine the use of preterit vs imperfect past tense, explore more situations that require the use of the subjunctive, learn to make compound tenses, and to speak in the future tense about real and hypothetical events. Topics covered range from personal recreation, environmental and social activism, rural and urban environments, professions and planning for a career and literary appreciation.

IB SPANISH SL
- Grade 11-12
- 4 semesters (2 years)
- ½ IB credit each semester
- Criteria for selection: department approval
- Students taking this course but are not pursuing an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This course enables the second language learner to understand straightforward written and spoken language; to communicate—orally and in writing—in a variety of styles and registers, about given topics; and to engage interactively in culturally appropriate conversations. These skills will be advanced as the students explore the themes of social relationships, communication and media, global issues, cultural diversity, customs and traditions, health, leisure, science, and technology in the Spanish-speaking world.

AP SPANISH LANGUAGE AND CULTURE
- Grades 11-12
- 2 semesters
- ½ AP credit each semester
- Criteria for selection: application and department approval
- AP exam fee

This course takes a holistic approach to language proficiency. Students learn language structures in context and use them to convey meaning. In order to best facilitate the study of language and culture, the course is taught entirely in Spanish. Students explore both contemporary and historical contexts through the themes of Global Challenges, Beauty and Aesthetics, Families and Communities, Personal and Public Identities, Contemporary Life, and Science and Technology. When communicating, both orally and through writing, the students will demonstrate cultural understanding and make comparisons between the Spanish and English language and cultures. Students are required to take the AP exam in May.
This course is designed to interest and challenge capable students who wish to develop a greater degree of proficiency in the Spanish language and further their knowledge about the world around us. The basic elements of grammar are reviewed, refined, and practiced; however, the course aims to develop the students' understanding of culture, civilization, and cinema and to broaden their ability to communicate in Spanish. Class sessions will be conducted in Spanish.
DEPARTMENT OF PRE-ENGINEERING AND TECHNOLOGY
All courses in this department are highly project-driven. Students will be expected to document the methods used to complete assignments and be able to draw inferences from those methods to apply skills in new and innovative ways.

Pre-Engineering Sequence 2018-19

**ENGINEERING DESIGN 1**
- Grade 9-12
- 1 semester
- ½ credit
- Supply fee: $30.00
- This course is a pre-requisite for IB Design Technology SL

This course focuses on solving broadly defined, open-ended problems with an emphasis on Mechanical and Structural Engineering. Students will complete scaled technical drawings including architectural, isometric, and orthographic. Students will be introduced to computer aided design (CAD) software including 2-dimensional AutoCAD and 3-dimensional Creo Parametric. This course is open to all students and is an introduction to engineering.
**ENGINEERING DESIGN 2**  
- Grade 11-12 (Grade 10 with department approval)  
- 1 semester  
- ½ credit  
- Prerequisite: Fundamentals of Design I  
- This course may be taken to fulfill a Fine Arts credit.  
- Supply fee: $30.00

This course will allow advanced CAD design using both AutoCAD and Creo Parametric to aid in mechanical design. Students in this course will apply concepts from their math and physics classes to calculate forces acting on static structures so successful completion of Algebra 1 is required before enrolling in this course. Some background in geometry and physics is helpful as well. Students will explore problem solving by utilizing the advanced features available in Microsoft Excel to analyze data. Students will utilize creative, collaborative problem solving when presented with a task to design, create, execute, present, and defend a solution.

**HONORS ADVANCED ENGINEERING SURVEY 3**  
- Grade 11-12 (department approval required)  
- 1 semester  
- ½ honors credit  
- Prerequisite: Engineering Design II  
- Prerequisite/Corequisite: Pre-Calculus  
- Supply fee: $30.00

This advanced course is a survey of topics common to many college engineering programs. The course will highlight various branches of engineering along with roles and typical projects within those branches. The course is designed in part based on feedback from students currently enrolled in college engineering programs. Project management, oral and written technical communication, ethics and teamwork will be explored from an engineering viewpoint. The course will aim to develop the student’s analytical aptitude, innovation, communication, and leadership skills. Use of MATLAB, a technical computing programming language, frequently a requirement for engineering majors, will be introduced.
**Digital Control Systems 1**

- Grade 11-12 (Grade 10 with department approval)
- 1 semester
- ½ credit
- College Credit Plus dual enrollment is available for students who qualify
- Admission to Cuyahoga County Community College (Tri-C) is a requirement.

This course incorporates mechanical design, electronics and Arduino programming. Students will build and program a small robot that makes use of multiple sensors and motors to be able to navigate autonomously. Light fabrication and soldering is expected as well as considerable programming and troubleshooting of the design. Additional college tuition fees are possible for this course.

**Digital Control Systems 2**

- Grade 11-12 (Grade 10 with department approval)
- 1 semester
- ½ credit
- Prerequisite: Digital Control Systems 1
- College Credit Plus dual enrollment is available for students who qualify
- Admission to Cuyahoga County Community College (Tri-C) is a requirement.

This course features advanced programming of the Arduino platform centering on robotics and closed loop systems using sensors and motors. Students will be expected to troubleshoot electrical systems as well as programs. Additional college tuition fees are possible for this course.

**Computer Science I: App Development**

- Grades 9 – 12
- 1 semester
- ½ credit

In this introductory course, students will learn the fundamentals of computer programming, algorithmic thinking, and app development. Concepts will be implemented using the C# programming language and Microsoft Visual Studio. Fundamental programming concepts include input and output, variables, control flow, collections, methods, and elementary object-oriented programming. Students will also learn the Microsoft Universal Windows Platform (UWP) for cross-platform application development. No prior programming experience is required, although experienced programmers are welcome.

**Computer Science II: Game Development**

- Grades 10 – 12 (Grade 9 with department approval)
- 1 semester
- ½ credit
- Prerequisite: CS I: App Development or department approval

This one-semester intensive course will introduce students to the fundamentals of creating 2d and 3d computer games and simulations using the Unity game engine. Topics in this course include the study of model rendering, collision detection, and animation. Students will also continue their learning of object-oriented programming through game scripting. This is not a beginner course; the student is expected to have prior programming experience with the C# programming language. By the end of this course, students will have the opportunity to deploy their games to various platforms such as PC, console, mobile, and virtual reality platforms.
IB COMPUTER SCIENCE SL (CS III) - COURSE IB470SL

- Grades 11 – 12
- 2 semesters (1 year)
- ½ IB lab credit each semester
- Prerequisite: CS I: App Development or department approval
- Criteria for selection: Department approval for those not pursuing an IB diploma
- Students who take this course but do not pursue an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This course is designed as the equivalent of a college introductory computer science course that meets all requirements of the IB SL computer science curriculum, including a student-driven final project that involves the design and development of software. Some examples include but: a data-driven mobile application, a software-as-a-service web application, or a 3D mixed reality simulation. This course consists of five core topics, some of which are covered in the introductory computer science course, Computer Science I: App Development, which is a prerequisite for IB Computer Science SL. The topics in this course include system fundamentals, computer organization, networks, computational thinking, problem-solving and programming, and web development. Programming concepts will be implemented using the C# programming language, Microsoft Visual Studio, ASP.Net Core and the Xamarin mobile framework.

INDEPENDENT STUDY COMPUTER SCIENCE COURSE 578I

- Grades 11 – 12
- Criteria for selection: department approval
- 2 semesters (1 year)

Independent Study in Computer Science is a 2-semester guided independent survey of various topics in computer science. The student will select from a list of available categories and complete a self-study curriculum based in their choices. Each topic will include a personal project to be researched and completed at the end of each semester. Available categories of study include but are not limited to the following topics: Artificial intelligence, augmented and virtual reality, security, and embedded systems development. Students will be expected to commit volunteer hours to a given technology related non-profit organizations.

IB DESIGN TECHNOLOGY SL COURSE IB465SL

- Grade 11 or 12
- 2 semesters (1 year)
- ½ IB lab credit each semester
- Criteria for selection: department approval for those not pursuing an IB diploma
- Prerequisite: Fundamentals of Design I
- This course may be taken to fulfill a Fine Arts credit.
- Supply fee: $50.00
- Students who take this course but do not pursue an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

In this course, students will survey important factors that direct the successful design of products and processes in our world. Scientific and mathematical principles that affect design, such as strength of materials, are considered within culturally defined contexts that include considerations of cost, safety, appearance, and environmental impact, as well as availability of manufacturing technologies. Students will work individually and in teams to evaluate, refine and create models of effective designs.
IB Design Technology HL

- Grades 11-12
- 4 semesters (2 years)
- ½ IB lab credit each semester
- This course may be taken to fulfill a Fine Arts credit.
- Supply fee: $100.00 ($50.00 per year)
- Criteria for selection: department approval for those not pursuing an IB diploma
- Students who take this course but do not pursue an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This four-semester course is an advanced survey in product development and their design and manufacture. Students are expected to design a product from beginning to end. Analysis of markets, surveys of target demographics, properties of natural and synthetic materials, application manufacturing processes, responsibilities and ethics of design, national and global standardization, and product lifecycle analysis are all covered in this course. Students will study concepts relating to energy generation (traditional and alternative), analysis of structures and how forces act upon materials, advanced manufacturing (welding, CNC manufacture, 3D printing, etc.) and sustainable development and product design for developing regions around the world.

Introduction to Innovation

- Grade 9
- 1 Semester
- ½ credit

Students will work in teams to identify a compelling, real-world problem, engineer and experiment with products that will address said problem, then blend skills in coding, filmmaking and entrepreneurship to create an exciting, fully interdisciplinary solution. This course introduces the student to each of the aforementioned skill sets. Introduction to Innovation offers a blend of the most innovative coursework in a convenient, accessible format.

Independent Study Robotics

- Grades 11-12
- Criteria for selection: department approval
- 2 semesters (1 year)

Independent Study in Robotics is a 2-semester guided independent survey of the organization and management of a FIRST Robotics team. Students enrolled in this class will be expected to take leadership positions on the robotics team and participate in competitions, events, and meetings both after school and during community period. Students will serve as project managers for the team and will be responsible for identifying and managing tasks for all members of the team.
The following Theology courses are required:

<table>
<thead>
<tr>
<th>GRADE</th>
<th>COURSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>JESUS IN SCRIPTURE AND</td>
</tr>
<tr>
<td></td>
<td>WHO IS JESUS CHRIST?</td>
</tr>
<tr>
<td>10</td>
<td>THE PASchal MYSTERY AND</td>
</tr>
<tr>
<td></td>
<td>CHRIST’S MISSION IN THE CHURCH</td>
</tr>
<tr>
<td>11</td>
<td>SACRAMENTS AND MORALITY</td>
</tr>
<tr>
<td>12</td>
<td>WORLD RELIGIONS AND SOCIAL ISSUES</td>
</tr>
</tbody>
</table>

**JESUS IN SCRIPTURE**  
Course 713

- Grade 9
- 1 semester
- ½ credit

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

**WHO IS JESUS CHRIST?**  
Course 714

- Grade 9
- 1 semester
- ½ credit

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

**THE PASchal MYSTERY**  
Course 724

- Grade 10
- 1 semester
- ½ credit

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.
**CHRIST’S MISSION IN THE CHURCH**  
- Grade 10  
- 1 semester  
- ½ credit

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

**SACRAMENTS**  
- Grade 11  
- 1 semester  
- ½ credit

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

**MORALITY**  
- Grade 11  
- 1 semester  
- ½ credit

The purpose of this course is to help students learn the moral concepts and precepts that govern the lives of Christ’s disciples.

**WORLD RELIGIONS**  
- Grade 12  
- 1 semester  
- ½ credit

The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other non-Christian religions of the world. Students will understand how the Catholic Church proclaims Jesus Christ “the way, the truth, and the life (John 14:6)” and at the same time teaches that the Church rejects nothing that is true and holy in other religions. The course is intended to help students recognize the ways in which important spiritual truths can also be found in non-Catholic Christian and non-Christian communities, and to show them how Catholics relate to members of different faiths respectfully while continuing to live and profess their faith confidently.
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.
DEPARTMENT OF FINE ARTS

Each student is required to earn ½ credit in the Visual Arts, Film, and/or Performing Arts and Music.
The following courses may be taken to fulfill a Fine Arts requirement: Fundamentals of Design 2; IB Design Technology SL; IB Design Technology HL

**Visual Arts**

**Beginning Pottery & Sculpture**

- Course 864
- Grades 10-12
- 1 semester
- ½ credit
- Supply fee: $40.00

Students will learn basic hand-building techniques. The students will make projects using coil, slab, and solid construction. Different finishing/glazing procedures will be taught.

**Advanced Pottery**

- Course 867
- Grades 10-12
- 1 semester
- ½ credit
- Prerequisite: Beginning Pottery/Sculpture
- Supply fee: $40.00

Students will spend the semester creating functional pottery. The potter’s wheel will be emphasized, as well as hand-building methods of slab and coil. Surface treatments, the elements of design, and glazing will be taught through assigned projects. Projects include vessel series created on the potter’s wheel, coil pots, and slab boxes.

**Advanced Sculpture**

- Course 872
- Grades 10-12
- 1 semester
- ½ credit
- Prerequisite: Beginning Pottery/Sculpture
- Supply fee: $40.00

Students will continue to develop their skills and creativity through creating three-dimensional artwork using clay. Projects will include self-portraits, furniture, pop art, and reproductions.
CERAMICS I  
- Grades 11-12  
- 1 semester  
- 1 credit  
- College Credit Plus dual enrollment is available for students who qualify.  
- Admission to Lorain County Community College (LCCC) is a requirement.  

An introduction to working with clay in both hand building and wheel methods, including surface decoration and glazing.

BEGINNING DRAWING AND DESIGN  
- Grades 10-12  
- 1 semester  
- ½ credit  
- Supply fee: $40.00  

This is an introductory drawing course with an emphasis on mastering materials and techniques. Students will draw from imagination and life, using pencil, charcoal, and conte crayon. Students who have taken the one-quarter drawing class in the past may enroll in this full semester course.

PAINTING  
- Grades 10-12  
- 1 semester  
- ½ credit  
- Prerequisite: Beginning Drawing and Design  
- Supply fee: $40.00  

Students will be working with acrylic paints. Color theory, the principles of design, and painting techniques will be introduced. Students will be encouraged to begin to develop their own style as they continue to explore the possibilities of acrylic paint. Experimentation with non-traditional painting surfaces will be attempted, breaking away from the limitations of two-dimensional planes.

ADVANCED PAINTING  
- Grades 11-12  
- 1 semester  
- ½ credit  
- Prerequisite: Painting  
- Supply fee: $40.00  

Students will develop and refine their painting skills using gels and various texturing methods and will be challenged to produce portfolio quality paintings. With instructor approval, this course may be repeated by advanced students wishing to produce portfolio-grade works.
ADVERTISING AND DESIGN  
Course 853

- Grades 10-12
- 1 semester
- ½ credit
- Supply fee: $40.00

Students will be exposed to styles and principles of designing advertising and products and will create advertisements, logos, and product labels. This course will include the use of computer graphic programs for design and free hand drawing software applications. Images will be compiled into a portfolio and stored digitally for college credit or publishing in the future.

SPORTS ART  
Course 874

- Grades 10-12
- 1 semester
- ½ credit
- Supply fee: $40.00

Students will study principles in sports art, such as motion and the human figure. Student projects will be both 2-dimensional and 3-dimensional.

PORTFOLIO PREPARATION  
Course 878

- Grades 11-12
- 1 semester
- ½ credit
- Criteria for selection: department approval
- Supply fee: $40.00

Students will learn to develop, select, categorize and document their artworks for review in college applications for art school.

PERFORMING ARTS AND MUSIC  

MUSIC THEORY  
Course 880

- Grades 9-12
- 1 semester
- ½ credit
- Criteria for selection: department approval

This course is designed for serious music students who wish to study music notation and structure with an emphasis on ear training and notational skills necessary to prepare them for advanced study of music in college or IB Music Perspectives.
**History of Rock & Roll**

- Grades 9-12
- 1 semester
- ½ credit

This introductory course traces the history of rock and roll music from its roots in African-American and European traditions to its diversification and distinct styles, as well as its impact on music and culture worldwide. The focus will be on understanding music and basic musical concepts through rock n’ roll, as well as sociological and historical concepts brought up through the music. Students will be expected to write about music and complete listening assignments.

**Independent Study in Music**

- Grades 10-12
- 1 semester
- ½ credit
- Criteria for selection: department approval

Advanced study in music for the student who wishes to pursue music in college. Emphasis may be placed in audition preparation, theory, music technology, composition or music history/literature. Students may sign up for the course more than once.

**IB Music Perspectives SL**

- Grade 11 or 12
- 2 semesters
- ½ IB credit each semester
- Criteria for selection: department approval for those not pursuing an IB diploma
- Students taking this course but are not pursuing an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

This course examines the diversity of music in culture and time. The elements of music will be explored through a survey of Western Music from the Middle Ages to the present along with traditional and contemporary global music. Students will be prepared to take the Standard Level International Baccalaureate Music Exam. The course has two compulsory parts: Music Production and Musical Perception. Music Production options include Solo Performance (private instruction on voice or an instrument with recitals required), Group Performance option (active membership in a school or community performance group with concerts required), or Creating (composition/arranging). Musical Perception includes analysis of an IB Prescribed Work, analysis of musical genres and styles and creation of a Musical Investigation Multimedia Presentation.
**String Orchestra**  
*COURSE 898*  
- Grades 9-12  
- 2 semesters  
- ½ credit (meets every other day, alternating with a study hall)  
- This course may be taken more than once.

Students learn techniques for playing orchestral string instruments (violin, viola, cello, and bass) and to perform varied orchestral literature. The orchestra, combined performs at several concerts, both as a string ensemble as well as combined with winds and percussion, forming a full orchestra. Concert attendance (3 Sundays out of the year) is mandatory. Emphasis is placed on ensemble performance techniques.

**Choir**  
*COURSE 893*  
- Grades 9-12  
- 2 semesters  
- ½ credit each semester  
- This course may be taken more than once.

This vocal music ensemble studies liturgical, concert and popular literature and performs for liturgical services, holiday programs, concerts, and special events. Students learn individual and ensemble singing techniques.

**Jazz Combo**  
*COURSE 895*  
- Grades 9-12  
- 2 semesters  
- ½ credit each semester  
- Criteria for selection: approval of director  
- This course may be taken more than once.  
- This course may be taken for pass/fail credit after completion of the first year.

This instrumental music ensemble studies jazz styles for students who play saxophone, trumpet, trombone, piano, bass, guitar or drums. Jazz improvisation and styles are studied. The Jazz Combo performs in concert and at special events.

**Concert Band**  
*COURSE 892*  
- Grades 9-12  
- 2 semesters  
- ½ credit each semester  
- Criteria for selection: approval of director  
- This course may be taken more than once.

This is an opportunity for students who play wind or percussion instruments to rehearse and perform concert band literature and chamber music. Students will have mandatory performances three times in the spring semester and at OMEA solo and ensemble in late January or early February. Students in this class should expect to perform with the Symphonic Band.
**SYMPHONIC BAND**  
• Grades 9-12  
• meets after school Tuesday-Friday, 4:30-5:45 beginning in November  
• ½ credit  
• Criteria for selection: approval of director  
• This course may be taken for pass/fail credit and may be taken more than once.

This instrumental music ensemble studies concert literature and performs at the OMEA Large Group Assessment and in concert during the third and fourth quarters.

**MARCHING BAND**  
• Grades 9-12  
• summer and afterschool  
• ¼ credit  
• Approval of director required  
• Criteria for selection: approval of director  
• This course may be taken for pass/fail credit and may be taken more than once.

Marching Band combines musical performance and visual movement. They perform at all home and away football games, several parades, and band competitions throughout the summer and fall. During late June through August rehearsals will be on Tuesdays, Wednesdays, and Fridays from 6:30 pm until 9:00 pm. During the football season, full band rehearsals are held on a regular basis on Tuesday through Friday afternoons from 3:45 pm until 5:45 pm. One rehearsal per week (usually Tuesday) will be from 6:30 until 9:00 pm. The dates and times of rehearsals and performances are published on a calendar to be distributed at the start of the course. Open to students of Catholic girls’ high schools with the additional approval of the school principal, music director, and parent.

**TECHNICAL THEATRE**  
• Grades 10-12  
• after school  
• ¼ credit  
• Criteria for selection: approval of director • This course may be taken for pass/fail credit.

Open to sophomores, juniors and seniors with leadership roles in stage or technical crews. (Participation in at least 2 previous shows is required.) Students will explore details of set design and construction, lighting, sound and directing a show. Course is taken in conjunction with the fall and spring theatrical productions. A student may sign up for the course more than once.

**THEATRICAL PERFORMANCE**  
• Grades 10-12  
• after school  
• ¼ credit  
• Criteria for selection: approval of director • This course may be taken for pass/fail credit.

Open to students in grades 9-12 with principal roles in stage productions. Acting, stage movement, singing, and dancing will be explored as part of a collaborative stage presentation. This course is taken in conjunction with the fall and spring theatrical productions. A student may sign up for the course more than once.
DEPARTMENT OF FILM

**Introduction to Visual Storytelling**

- **Course:** 830
- **Grade:** 9
- **Duration:** 1 semester
- **Credit:** ½

In the era of Netflix and emerging augmented/virtual reality, Introduction to Visual Storytelling pledges to make the young men of St. Edward more aware of how images shape our identities, relationships, and the very environments in which we live. More specifically, students in FA 830 will explore how films, television programs, graphic novels, social media, advertisements, etc. influence our thoughts and emotions; in turn, we'll collaborate to create comics, a short film, as well as a variety of other 21st century visual stories to better understand how deeply images affect our lives.

**Digital Cinema 1**

- **Course:** 833
- **Grades:** 10-12
- **Duration:** 1 semester
- **Credit:** ½

This class (formerly called Intro to Film Analysis and Production) is designed to empower young filmmakers to: 1.) thoughtfully use cinematography to tell original, visually-based stories; 2.) write compelling, three-act screenplays with clear "character arcs", and; 3.) familiarize themselves with the fundamentals related to audio/video hardware and software. Throughout this course, students will be provided with the academic tools that will enable them to begin viewing film as a powerful storytelling medium – more specifically we will critically view, write about, and seminar on engaging contemporary
works within the coming-of-age and horror/suspense genres. And we will do so not only to develop an appreciation for film and an ability to thoughtfully discuss works in the medium, but also to ground and inspire our own original short films, the creation, production, and editing of which will comprise the bulk of the course.

**DIGITAL CINEMA 2**

- Grades 10-12
- 1 semester
- ½ credit
- Prerequisite: Digital Cinema 1

Digital Cinema 2 challenges students to view film critically as a means of inspiring and shaping their own authentic, collaborative film projects; however, the Advanced course also empowers Film students to explore more challenging and exciting genres – science fiction, film noir, construction of reality – and design more daring and experimental film projects, including a Foley art project, which entails recording all original audio effects for a Pixar short film, as well as the infamous “one shot” short film, which challenges students to design, map, rehearse, produce, and edit a narrative that unfolds over the course of a single take. In addition, students who enroll in Advanced Film will have access to the most sophisticated hardware and software St. Edward’s Film Department boasts, including Canon Rebel DSLR cameras, Zoom field recorders, and Apple’s Final Cut Pro X.

**ANIMATION 1**

- Grades 10-12
- 1 semester available only in Spring 2019
- ½ credit
- Prerequisite: Digital Cinema 1

This course will allow young artists at St. Edward to experiment with one of the most relevant and powerful 21st century storytelling techniques: animation. Students will apply visual storytelling techniques first learned in Digital Cinema 1 in order to create a short, animated film within the course of a single semester. Through these films students will demonstrate their newfound command over the twelve principles of animation, as well as style, character, conflict, and their own imaginations. Those who enroll will have access to both the powerful hardware (iMacs) and software (Blender, Pixar in A Box) necessary to design a compelling, unique work.

**SPORTS DOCUMENTARY**

- Grades 10-12
- 1 semester
- ½ credit
- Prerequisite: Introduction to Visual Storytelling OR Digital Cinema 1

This course will allow young filmmakers to focus exclusively on documentaries that feature athletes and the conflicts unique to their lives; in turn, we will study feature-length (i.e. *Hoop Dreams*), episodic (i.e. *30 for 30’s*) and short (i.e. *Always A Fire*) documentaries appropriate for this class. Students will study visual storytelling techniques and produce a highly refined supershort documentary—in the “60 Second Supershort” style—as well as one 3-4-minute capstone sports documentary. In doing so, students will have access to prosumer (professional grade) digital film cameras, professional audio equipment, and editing software, (Final Cut Pro).
IB FILM SL

• Grade 11 or 12
• 2 semesters (1 year)
• ½ IB credit each semester
• Criteria for selection: department approval for those not pursuing an IB diploma
• Recommended students have completed Digital Cinema 1
• Students who take this course but do not pursue an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

IB FILM HL

• Grade 11-12
• 4 semesters (2 years)
• ½ IB credit each semester
• Criteria for selection: department approval for those not pursuing an IB diploma
• Students who take this course but do not pursue an IB diploma must sit for and submit all IB required assessments; registrations and subject fees are applicable.

The SL and HL Film courses empower students both to critically analyze some of the greatest films from around the globe and collaborate with peers to create authentic short films that feature sharp, imaginative cinematic storytelling. Over the course of one (SL) or two (HL) years, students will acquire the skills needed to create their own short films through a wide variety of film production lab exercises; both versions of IB Film are largely dedicated to the production of short, original films, complete with an original score. Moreover, students will be provided with the academic tools that will enable them to trace and appreciate socio-culturally significant developments within film. Students do so via the creation of a textual analysis (which challenges students to select, view, and analyze two to four films that share significant thematic, cinematic, or genre-based traits), and then record their findings in a comparative study video essay.
DEPARTMENT OF PHYSICAL EDUCATION

THE FOLLOWING PHYSICAL EDUCATION CREDITS ARE REQUIRED:

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>HEALTH</th>
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<tbody>
<tr>
<td>GRADE 9-12</td>
<td>½ CREDIT OF PHYSICAL EDUCATION (EARNED THROUGH CLASSES) OR PHYSICAL EDUCATION EXEMPTION (EARNED THROUGH 2 SEASONS OF SPORT OR MARCHING BAND PARTICIPATION)</td>
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HEALTH

- Grade 9
- 1 semester
- ½ credit

This course examines choices to empower personal wellness and to recognize the relationship between the physical, mental, emotional, and social dimensions of health and its effect on the total person. The areas which are studied are goal setting, personal growth, mental wellness, anxiety management skills, CPR and AED, first aid, fitness, nutrition, addictions, and violence prevention. This course may be taken online for a fee.

PHYSICAL EDUCATION

- Grades 9-12
- 1 semester
- ¼ credit

Emphasis is on the formation of a healthy lifestyle incorporating fitness and leisure time activities. Individual and dual activities are taught as equipment allows. Team sports are played with class teams engaging in round-robin tournaments. The student will also gain firsthand experience in different types of weight training, including free weights, machines, plyometrics, circuit training, rubber band resistance, and manual resistance. Great emphasis will be placed on learning proper technique and safety for free weights. The training will be primarily ground-based with a strong emphasis on stabilizer muscles. Students may take this course more than once.

STRENGTH & CONDITIONING

- Grades 10-12
- 1 semester
- ¼ credit

This class will teach students the system of development of an athlete’s movement patterns, strength, power production and injury resistance. Students who complete this course will be prepared for more advanced systems of training, including those integrated into St. Edward’s varsity athletic programs.
PHYSICAL EDUCATION EXEMPTION

Two semesters of physical education are required in order to graduate from St. Edward High School – or any high school in Ohio – but a recent change to Ohio law allows for an exemption for any student who, during high school, “has participated in interscholastic athletics, marching band or cheerleading for at least two full seasons” [O.R.C. 3313.603(L)]. Thus, a student who plays any combination of St. Edward’s 16 sports at any level—freshman, JV or varsity—or marching band or cheerleading for a total of two seasons is exempt. In the case of an exemption, the student would be excused from P.E. classes, but his total number of credits for graduation would not change, therefore he would have to replace P.E. with other academic electives or simply continue to take P.E. as an elective. The exemption would be noted on the student’s official transcript.
Theory of Knowledge (TOK) is a course of at least 100 hours over the both years of the IB Diploma Programme that is designed to challenge students to think critically about their own knowledge claims, and the knowledge claims made by others, as well as the subject of knowledge itself. Students will explore the role that reason, emotion, language, and perception play in one’s ability to acquire knowledge. Students will also evaluate the similarities and differences between knowledge claims across different areas of knowledge; e.g. knowledge claims in ethics versus those made in the natural sciences. An essay written on a prescribed topic, as well as a group presentation, makes up TOK’s IB assessment. Students learn about the Extended Essay (EE) and Creativity/Action/Service (CAS) requirements through this course.
INDEPENDENT STUDY AND CREDIT FLEXIBILITY INFORMATION AND GUIDELINES

In accordance with Ohio law, Credit Flexibility applies to any alternative coursework, assessment and/or performance that demonstrates proficiency qualified to be awarded equivalent graduation credit as applied for and approved in advance by the school. Approved credit awarded through this policy will be posted on the student’s transcript and counted toward student grade point average (GPA) and as graduation credit in the related subject area or as an elective.

Application:
Any student may apply for credit to be awarded through Independent Study or Credit Flexibility. The student will submit an application on the Application for Credit Flexibility form. All required information must be provided. The student may be required to provide supporting documentation as determined by the School Counselor and/or Principal or designee of the Principal. Application may be made at any time. Work completed prior to the approval of an application will not be eligible to count toward credit.

Review of Application:
The application will be reviewed by the school counselor(s) and Principal or designee of the Principal. Upon approval of a completed application, the student may then proceed with the learning activity and credit will be awarded when all requirements are completed and evaluated. The Principal or designee may consult with the facilitator of the related department or others as needed to provide needed information prior to making a decision regarding the awarding or denial of credit.

Awarding credit:
A student may be eligible to receive credit upon satisfactory completion of the coursework, activity, assessment and/or performance as required by the Principal or designee. The following standards and guidelines apply to awarding credit:

• The total number of credits that may be awarded is not limited.
• The successful completion of a preapproved course may result in credit being designated as fulfilling either required or elective credit toward graduation requirements.
• All courses, as applicable, must be aligned to the Ohio Academic Content and Technical Standards to receive credit.
• Credit from other districts and educational providers, including online providers, may be accepted in accordance with the Ohio Operating Standards as determined by St. Edward High School. A student will not be granted credit if he participates in courses through outside sources without prior approval.
• The Principal or designee may award credit for custom learning activity(s) in the amount approved in advance based upon the equivalence to a 120 hour (Carnegie unit) course. In preapproved cases, partial credits may be awarded where deemed appropriate.
• The Principal or designee may award credit or partial credit for preapproved assessments, performances or work products that demonstrate mastery of content of any course offered at St. Edward High School. Elective credit for courses not offered at St. Edward High School may also be earned in this manner as preapproved.
• Honors or Advanced Placement (AP) courses may not be taken through credit flexibility. There are NO weighted grades for credits earned through credit flexibility.
• The Teacher of Record reserves the right to withdraw the student from a course (with penalty) for issues involving plagiarism and copyright violation.
• The student must complete all coursework assigned by the Teacher of Record on or before the due date or the student may be withdrawn with penalty from the course.
• The decision of the Teacher of Record regarding a withdrawal from the course may be appealed to the Principal. A letter outlining the reason(s) for the appeal must be received by the Principal within 10 calendar days following notification of withdrawal.

**Determining Grades**

- Grades earned through Independent Study and/or Credit Flexibility will NOT be weighted. The letter grade to be posted on the transcript and included in the student’s grade point average will be awarded as determined by the Teacher of Record.

- If a student fails to make adequate progress on coursework, the approval to further pursue the proposed credit may be revoked and a failing grade will be posted to the student’s transcript. The final grade for the course must be posted before the credit can count toward graduation.

- If a student is unable to complete the course due to illness (with provided medical documentation) or other valid reason as determined by the Principal or designee, an extension may be permitted and/or requirements revised. If the student does not intend to complete the credit and there has been an illness or other valid reason, the application may be withdrawn without penalty by the Principal or designee.

- Should a student transfer to another school, upon request of the student or parent, St. Edward High School shall forward a copy of the approved application to the new school for their consideration.

**Access**

This policy does not in any way prohibit access to online education, postsecondary options or services from another district.
APPLICATION FOR CREDIT FLEXIBILITY
This application must originate in THE COUNSELING CENTER with a conference between student and counselor.

STUDENT INFORMATION
Student Name _______________________________    Grade ____    ID # _______________

STUDENT OBJECTIVE The student should briefly explain his goals and why credit flexibility is a suitable means to meet them:
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

COURSE INFORMATION
Core Subject Area field (e.g. Physical Science, Fine Arts, Social Studies, etc.):
_______________________________________________

Should the student be scheduled with a particular teacher or resource? _____ Yes _____ No
If yes, specify which teacher or resources and which semester(s) _______________________
___________________________________________________________________________

Course duration: (1 or 2 semesters or summer) ____________________________________

Course credit attempted: ________________________    School Year: ________________

ACTION PLAN
Description of what student will do to earn this credit (check all that apply):  
_____ Coursework  
_____ Field experience  
_____ Mentorship  
_____ Internship  
_____ Educational Travel

Name and contact information of organization and/or individual(s) to support your proposed credit earning activity (attach additional pages where necessary):
Name(s):  ____________________________________________________________
Title(s):  

Address:  

Phone:  Email:  

A. Written instructional plan (attach separate sheets if needed)  
1. Course content  
   
2. Learning outcomes  
   
3. Applicable course standards  
   
4. How student will demonstrate proficiency  
   a. The grade will be determined by:  
   b. Assessment Instrument(s) or Educational Program to demonstrate proficiency:  
   c. Minimum threshold needed to award credit:  
      1. ______ % on assessment stated in (b) above OR  
      2. ______ score on rubric stated in (b) above OR  
      3. ______ % completion of performance stated in (b) above OR  
      4. ______ score on an established testing instrument stated in (b) above.  
      5. ______ other listed below:  

I, (student signature) ________________________________, understand the Independent Study/Credit Flexibility Option is an intensive process designed to allow me to work at my own pace to complete the assigned work.  

The student and parent must initial each item below as indication of having read and accept the following:  

Parent Student
The student will hold primary responsibility for the overall success or failure of the course.

The student will be expected to allocate an average of _______ hours per week working toward the completion of this course.

The student will be expected to meet with teacher at least _______ time(s) per week.

The student will actively engage with the teacher and course activities by __________________________ or the student may be withdrawn from the course.

The student will have until ________________________________ to complete the course or the student may be withdrawn with penalty from the course.

The student’s teacher and/or other school authorities have the right to cancel this course/credit option if: (1) the student violates any rule/policy stated in the Student/Parent Handbook; (2) the student does not regularly and actively engage with the teacher and course material by __________________________; or (3) the student does not make steady progress toward completion of the course.

The student and parent must initial each item below as indication of having read and accept the following:

Parent Student

The student must complete all online AS WELL AS offline/other work assigned by the due date stated by the teacher or the student may be withdrawn with penalty from the course.

The Instructor reserves the right to remove the student from the course (withdrawn with penalty) for issues involving plagiarism and copyright violation.

There are NO weighted grades for credits earned through independent study/credit flexibility.

SIGNATURES/ROUTING

Student __________________________________________ Date _____________

Parent __________________________________________ Date _____________
NOTES:
# SCHEDULE CHANGE REQUEST FORM

Schedule changes can only be made within the first 20 class meetings for sufficient medical or academic reasons without possible loss of credit.

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<thead>
<tr>
<th>STUDENT NAME</th>
<th>GRADE</th>
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<tr>
<th>REQUESTED CHANGES</th>
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<tbody>
<tr>
<td>COURSES TO BE ADDED</td>
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</tbody>
</table>

| REASONS FOR THIS REQUEST: |

| HOW MANY TIMES HAVE YOU MET WITH YOUR TEACHER FOR TUTORING/HELP? |

| HAVE YOU COMPLETED THE ASSIGNMENTS AND HOMEWORK FOR THIS CLASS? |

# REQUIRED SIGNATURES

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<tr>
<th>STUDENT</th>
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<table>
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<tr>
<th>PARENT</th>
<th>CURRENT TEACHER</th>
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<tr>
<th>DEPARTMENT CHAIR</th>
<th>COUNSELOR</th>
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<th>ACADEMIC DEAN</th>
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