EASTPORT-SOUTH MANOR CENTRAL SCHOOL DISTRICT
2019-2020

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Dear Students,

A Course Catalog is your roadmap to the future. It provides you with a variety of courses that are offered at the Eastport-South Manor Junior-Senior High School that will help you prepare for college and career. The process of choosing courses is one of the most important steps you will participate in during your High School career. Students should discuss their plans with their parents, families, teachers, and counselors in order to make informed decisions based upon personal interests, abilities, school requirements for graduation, and most importantly, goals for the future.

As you review this Course Catalog, you will see that the Eastport-South Manor Junior-Senior High School provides a comprehensive and rigorous education for all of our students. As you begin to examine and decide the courses of study for the upcoming year, we encourage you to keep the following in mind:

- Develop an appropriate and challenging course load in order to help you prepare for the challenges of tomorrow.
- Thoroughly research the different options that are available to you.
- It is expected that next year, you will attend and complete all the courses you have chosen during the selection process.

At ESM we strive to help each student reach his or her full potential. This includes establishing supports throughout our school that will graduate students of good character who are intellectually, physically and socially prepared for their future. The guidance counselors and faculty are ready to assist you with meeting these demands. Collaboration is a cornerstone for future success and is vital as you begin to formulate a schedule. Communication between students, parents, families, teachers and counselors will help each student plan a program that is tailored to his or her individual needs. We believe that a meaningful program will result in a rewarding educational experience for every student.

This Course Catalog is compiled and printed prior to the finalization of the school budget. Therefore, we want to make sure that you and your parents understand that the courses are listed on a tentative basis. Enrollment drives our schedules and it should be noted that courses may not be offered next year if class enrollment is insufficient to meet budgetary guidelines. Also, our complex scheduling process may necessitate that certain courses be canceled or combined. However, in all instances, you will be able to take the courses that are required for graduation.

Planning for your future is an exciting endeavor and we understand that the thoughts about your future may change. Therefore, it is important to plan with interests and goals in mind, and to commit to working hard to achieve those goals. The experience of setting goals and striving to achieve them will prepare you for whatever life may bring. Please contact your school counselors if you need assistance with any part of the process.

Sincerely,

Sal Alaimo, Principal
The Eastport-South Manor Central School District will promote and sustain an educational system which is dedicated to academic excellence and the fulfillment of each individual student’s potential.

Through an alliance of educators, parents, students, and community, the District will provide a supportive, safe, dynamic learning environment and will strive to graduate students of good character who are intellectually, physically, and socially developed, and who are as well prepared as possible for their futures.
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GRADUATION REQUIREMENTS

All students have access to the three basic diploma types. Meeting the requirements for the Regents Diploma and the Advanced Regents Diploma are standard across all student populations. Local Diploma requirements vary by subgroup; general education, students with disabilities, and English language learners.

### NEW YORK STATE DIPLOMA REQUIREMENTS

#### APPLICABLE TO ALL STUDENTS ENROLLED IN

#### GRADES 9-12

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Local Diploma, Regents Diploma, Regents Diploma with Advanced Designation</strong></td>
<td></td>
</tr>
<tr>
<td><strong>English</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>4</td>
</tr>
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<td>Distributed as follows:</td>
<td></td>
</tr>
<tr>
<td>U.S. History (5)</td>
<td></td>
</tr>
<tr>
<td>Global History and Geography (3)</td>
<td></td>
</tr>
<tr>
<td>Participation in Government (1/2)</td>
<td></td>
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<tr>
<td>Economics (1/2)</td>
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</tr>
<tr>
<td><strong>Science</strong></td>
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</tr>
<tr>
<td>Distributed as follows:</td>
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</tr>
<tr>
<td>Life Science (1)</td>
<td></td>
</tr>
<tr>
<td>Physical Science (1)</td>
<td></td>
</tr>
<tr>
<td>Life Science or Physical Science (1)</td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Languages Other than English (LOTE)</strong></td>
<td>1/1</td>
</tr>
<tr>
<td><strong>Visual Art, Music, Dance, and/or Theater</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Physical Education (participation each semester)</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Health</strong></td>
<td>0.5</td>
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<tr>
<td><strong>Electives</strong></td>
<td>3.5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>22</td>
</tr>
</tbody>
</table>

*Students with a disability may be excused from the requirement for 1 unit of credit in LOTE if so indicated on the IEP, but must still earn 22 units of credit to graduate.*
Mastery in Mathematics and/or Science: 85+ on each of the three mathematics exams and 85+ on each of the three science exams. (Advanced Regents Diploma only)

With Honors: Required Regents Examinations with a computed average 90+ (Advanced Regents and Regents Diploma, LOTE exam is NOT used in calculation)

4 + 1 Assessment Option: Required 4 exams - ELA (1), Math (1), Science (1), Social Studies (1) + an additional Regents exam (math/science/social studies/CTE or CDOS Commencement Credential) (Regents and Local Diploma)

Career Development & Occupational Studies Commencement Credential (CDOS): Available to all students who complete a career plan, employability profile, demonstrated achievement of CDOS standards, 216 hours of CTE coursework and/or work-based learning experiences (of which at least 54 hours must be in work-based learning experiences). This credential may be supplemental to a regular diploma or if the student is unable to meet diploma standards the credential may be awarded as the student’s exiting credential.

LOCAL DIPLOMA OPTIONS – CLASSIFIED STUDENTS ONLY

Low Pass Safety Net: 5 Required Regents exams (ELA, Global, US, Math, Science) with 55+

Compensatory Safety Net: ELA & Math 55+ REQUIRED, student scores between 45-54 on one or more exam but can compensate the low score with a score of 65+ on another exam.

Appeal: Passing 3 required examinations with a 55 or better and 2 examinations with a 52-54 for which an appeal is granted by the local district.

Superintendent Determination: See www.nysed.gov.

Skills & Achievement Commencement Credential: Awarded to students with severe disabilities that are assessed using the NYS Alternate Assessment

* Students may substitute LOTE with 5 units of credit earned in Art, Music, or Occupational Education for an Advanced Diploma. Students with disabilities may be exempt from the LOTE required credit if so indicated on their IEP.

Honors and Advanced Placement Courses

Eastport-South Manor Junior-Senior High School offers a number of Honors and Advanced Placement (AP) courses; prerequisites for a student to be enrolled in these courses includes academic performance in previous classes, teacher recommendations, counselor input, and most importantly, student interest. Students enrolled in Honors and AP courses study an enriched curriculum preparing them for higher education. Honors and AP courses are given the highest grade weighting; this could significantly affect the student’s class rank. Our school offers AP courses in:

- Art History
- Biology
- Calculus (AB)
- Calculus (BC)
- Chemistry
- Computer Science
- Language and Composition
- Literature and Composition
- Environmental Science
- European History
- Human Geography
- Macroeconomics
- Music Theory
- Physics 1
- Physics 2
- Physics C
- Psychology
- Research
- Seminar
- Statistics
- Studio Art
- U.S. History
- World History

At the end of each course, students are expected to take the AP Examination given by the College Board. The fee for the exam in 2018-2019 was $94. With an acceptable score, colleges may grant advanced placement in college courses and/or college credits. Any student who wishes to take an AP course must be aware of the following:

If at any point after the first five weeks of the school year a student chooses to withdraw from the course, the following marks will appear on his/her final transcript: WP (withdrew passing) or WF (withdrew failing).

AP Scholar Awards

The AP Program offers several AP Scholar Awards to recognize high school students who have demonstrated college-level achievement through AP courses and exams. Although there is no monetary award, in addition to receiving an award certificate, this achievement is acknowledged on any AP score report that is sent to colleges the following fall.

**AP Scholar**

Granted to students who receive scores of 3 or higher on three or more AP Exams.

**AP Scholar with Honor**

Granted to students who receive an average score of at least 3.25 on all AP Exams taken, and scores of three or higher on four or more of these exams.

**AP Scholar with Distinction**

Granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of three or higher on five or more of these exams.

**State AP Scholar**

Granted to one male and one female student in each U.S. state, and the District of Columbia with scores of three or higher on the greatest number of AP Exams, and then the highest average score (at least 3.5) on all AP Exams taken.

**National AP Scholar**

Granted to students in the United States who receive an average score of at least four on all AP Exams taken, and scores of four or higher on eight or more of these exams.
DUAL — ENROLLMENT PROGRAM

Research demonstrates that students who engage in college level coursework while in high school are more likely to attend college and be successful while there. As a result Eastport-South Manor Jr./Sr. High School has established strong partnerships with our local institutions of higher learning including SUNY Albany, Suffolk County Community College (SCCC), St. John’s University, Long Island University and Farmingdale State College to offer college level courses to our students while in high school. Students who take Dual-Enrollment courses while at Eastport South Manor Jr./Sr. High School strengthen their preparedness for college and enhance their student portfolio when applying to college or a business. Earning college credits while in high school jump starts students' college careers, enhances their college admissions application, and minimizes time required to complete a college degree; affording more time for internships, dual majors, minors and/or study abroad. Enrollment in a Dual-Enrollment course generates an official college transcript for each student. The college credits earned can be applied towards a degree at the college or can be transferred to many other colleges and universities. Acceptance of credits for college-level courses is determined by the receiving college or university. Courses offered through the Dual-Enrollment partnerships are offered at a reduced tuition rate with no additional college fees applied.

EARLY COLLEGE PROGRAM

In addition to Dual-Enrollment, Eastport South Manor Jr./Sr. High School has partnered with SCCC for the Early College Program. The Suffolk County Community College Early College Program (ECP) is an opportunity for high school juniors and seniors to attend classes at SCC, on campus and to earn college credits while having an experience of college life. Students enroll in college classes; interact with college faculty, staff, and other students. ECP students can earn college-level transfer credits while continuing to complete high school. Students may earn up to seven credits in a variety of liberal arts and sciences courses related to a curriculum of interest or to satisfy core liberal arts college requirements. Advisement and program coordination are provided by campus ECP counselors, ensuring that students receive sufficient guidance and personal attention.

College Credits Offered

In September, registration information, cost and materials for the following courses will be distributed. The following courses offer college credit to qualifying juniors and seniors:

**UHS/University at Albany:**
- Intermediate Science Research: CAS 109 – Summer only (2 credits)
- Intermediate Methods of Research: CAS 110 (4 credits)
- Advanced Science Research: CAS 209 – Summer only (2 credits)
- Advanced Methods of Research: CAS 210 (4 credits)

**Farmingdale University:**
- Accounting I (3 credits)

**LIU's High School Scholars Program:**
- English: College English 1 and 2 – Composition I & Composition2: Argument and Analysis (6 credits)
- Social Studies: CRJ11 – Introduction to Criminal Justice (3 credits)
- Humanities: English 7 and 8 - World Literature I and II (6 credits)
- Stagecraft II (3 credits)
- Stagecraft III (3 credits)
- Theatre III (3 credits)
- Forensics (4 credits)

Students must have an unweighted cumulative average of 80 or better in core academic areas of English Language Arts, Mathematics, Science, Social Studies and World Languages to be accepted by LIU.
St. John’s University

- Spanish 1010/1020 (3 Fall/3 Spring credits)
- Spanish 2030/2040 (3 Fall/3 Spring credits)
- French 1010/1020 (3 Fall/3 Spring credits)
- French 2030/2040 (3 Fall/3 Spring credits)
- ASL (1760 – 2790) (3 Fall/3 Spring credits)

Students who wish to register for credit for the SJU Fall and/or Spring Semester must meet the following pre-requisites:

Seniors must have an overall average of 80 or better and a combined math and critical reading SAT score of 1000 (100 on the PSAT) or ACT score of 21.

Juniors must have an overall average of 85 or better and a combined math and critical reading SAT score of 1000 (100 on the PSAT) or ACT score of 21, excluding when registering for the Fall Semester.

Suffolk Community College

- Fundamentals of PreCalculus MAT 124 (4 credits)
- PreCalculus Honors MAT 126 (4 credits)
- Calculus Honors MAT 141 (4 credits)

**Grade Weighting**

The grade weighting protocol recognizes that some academic programs are more rigorous and challenging than others; therefore, taking more rigorous courses results in greater rewards for the students. Grades are weighted as follows:

- Final grades in AP classes are multiplied by a factor of 1.15
- Final grades in Honors classes are multiplied by a factor of 1.10
- Final grades in all other classes are multiplied by a factor of 1.0

It is our expectation that students enrolled in any of the AP courses take the scheduled AP exam in May. Failure of the student to take the exam will result in grade weighting being changed from AP weighting to Honors weighting as indicated above.

**Class Rank**

Class rank and grade point averages (GPA) imprinted on senior transcripts that are sent to college admissions offices reflect high school courses taken through the end of the junior year, senior year courses from the 1st and 2nd quarters, and are inclusive of all summer school grades, as applicable. The class rank reflects weighted grades. Both weighted and unweighted GPA’s are printed on student transcripts.

**Valedictorian / Salutatorian Honors**

To validate who has earned the highest (Valedictorian) and second highest (Salutatorian) rank in a graduating class, students’ grades from 8th (Algebra, Living Environment, LOTE) and 9th, 10th, and 11th grades will be averaged with the grades earned during the first semester of the 12th grade. Such determination is final and no adjustments will take place thereafter. In order to be eligible for Valedictorian or Salutatorian, a graduating senior must have spent at least four semesters total at Eastport-South Manor Junior-Senior High School prior to the calculation. A grade conversion chart will be applied to grades of students who transfer from a school that uses an alternative grading method.
**Outside Credit**

In order to receive credit for any courses taken outside the Eastport-South Manor School District (i.e. People to People, college courses, etc.), approval must be obtained by the Principal. You must submit a course curriculum prior to approval.

**Honor Roll**

Students must be enrolled in at least five classes to be eligible for the Honor Roll. Students who have earned a GPA of 90 or better, with no grade below an 85, are eligible for the Principal’s Honor Roll; those who have earned an 85 or better, with no grade below an 80 are eligible for the Honor Roll. Any grades of incomplete, NG, or WF prevent inclusion on the Honor Roll. Please note, students enrolled in a BOCES CTE program may be eligible for Honor Roll if enrolled in 3 ESM courses in addition to their BOCES schedule.

**High School Promotion Requirements**

<table>
<thead>
<tr>
<th>Class</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomore (10th Grade)</td>
<td>5</td>
</tr>
<tr>
<td>Junior (11th Grade)</td>
<td>10</td>
</tr>
<tr>
<td>Senior (12th Grade)</td>
<td>15</td>
</tr>
</tbody>
</table>

Any student in grades 9-12 who was retained in a high school grade level due to lack of credits may be promoted to the next grade at the beginning of the third quarter. Students must meet the requirements listed above by successfully completing a half-year course(s) and .5 unit(s) of credit(s).

**Withdrawal from Classes**

It is expected that any student enrolling in a course will remain for its duration. However, there are circumstances that may result in a student dropping a course. If a course is dropped during the first two weeks (this includes second semester courses as well), no notation will appear on the student transcript.

Any changes that need to take place between weeks three and five will require a student to complete a drop/add form with the appropriate signatures/approvals. This form should be completed within two days and monitored by a student’s guidance counselor. After week five of the semester, NO withdrawals from a course will be permitted unless there are extraordinary circumstances that require dropping the course; in this case a withdrawn passing (WP) or withdrawn failing (WF) will be noted on a student’s final transcript as determined by the Principal.

**Early Graduation Policy**

(3 or 3.5 years)

A student may be permitted to graduate early if the following criteria are met:

1. The student has satisfied all course requirements by the date of the early graduation.
2. The student and the parent/guardian have sent letters to the High School Principal and guidance department in April of 10th grade so an appropriate schedule can be built for the student’s last year.

Approval for early graduation will be based on a variety of factors, such as:

- Age and maturity
- Future plans
- Possible extenuating circumstances involving the student and/or family
- The student’s current academic standing

*Students who receive permission for early graduation at the end of the eleventh grade remain members of the junior class. These early graduates will not be included in the senior class ranking.*
AP Capstone is a diploma program based on two yearlong AP courses: AP Seminar and AP Research. These courses are designed to complement other AP courses that the AP Capstone student may take. Instead of teaching specific subject knowledge, AP Seminar and AP Research use an interdisciplinary approach to develop the critical thinking, research, collaboration, time management, and presentation skills students need for college-level work.

**AP Capstone Diploma**

Students who earn scores of three or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma.

**AP Seminar and Research Certificate**

Students who earn scores of three or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate.

The following are the course descriptions for AP Seminar and AP Research.

**AP Seminar**

*Grade 10 – 1 Credit*

**Prerequisite – English 9H**

AP Capstone is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. It cultivates curious, independent, and collaborative scholars and prepares them to make logical, evidence-based decisions.

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

**AP Research**

*Grade 11 or 12 - 1 credit*

**Prerequisite - AP Seminar and AP Exam**

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (Accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. Students who take the AP exam will earn the Advanced Placement designation on their transcript. Students who do not take the exam will have the course title only without Advanced Placement designation on their transcript. Students must receive a 3 or better on the Seminar and Research AP exams to receive the Capstone Designation. Students who earn AP scores of 3 or higher on four additional AP exams will earn a Capstone Diploma from College Board.

More information about the AP Capstone Diploma program can be found at:
https://apcentral.collegeboard.org/courses/ap-capstone
**ENGLISH CORE COURSE OFFERINGS**

- English 9H
- English 10H
- English 9
- English 10
- *AP English 11®
- English 11®
- *AP English 12
- *LIU College English
- Senior Seminar
  - Science Fiction in Literature and Film
  - Heroism and Villainy
  - Critical Issues and ethical dilemmas
  - Social Justice through Children’s Literature

**ENGLISH ELECTIVE COURSE OFFERINGS**

- Advertising 101 - .5 credit – grades 9 -12
- The Graphic Novel - .5 credit – grades 10 -12
- Lyrics & Poetry - .5 credit – grades 9 -12
- Sports and Literature - .5 credit – grades 10 -12
- Creative Writing – grades 10 -12
- *LIU Humanities – grades 11-12

® = Regents
*College credit / cost incurred
High School English Courses

ENGLISH 9
Grade 9 – 1 Credit
This year-long course will further develop students’ reading and writing skills through the study of literature using a genre approach. Students will study various genres of literature. Students will analyze literary texts, determine relationships between form and content, and go beyond an emotional reaction to an intellectual response. Students will develop the ability to read critically, and they will be encouraged to ask pertinent questions about their reading. Students will be expected to recognize assumptions and implications in their reading as well as evaluate ideas. The students’ ability to identify and comprehend the elements of literature, both in and out of context, will be further developed. Vocabulary acquisition will be developed within the context of classroom reading assignments. Literature, chosen by the student, will be the anchor of the Independent Reading program. Composition work will stress effective analytical writing about literature. The English curriculum will continue to include more complex material in both literary and informational sources. Students will develop the skills necessary to deeply connect, comprehend and respond to this staircase of complex pieces.

ENGLISH 9 Honors
Grade 9 – 1 Credit
As part of the College Board Springboard Pre-AP Program, this course infuses rigor to prepare all students for college-level work. With high expectations of the student to the subject, the curriculum enhances critical thinking and conceptual understanding. The student will read a variety of texts in a multitude of genres, as well as study media literacy. This program assists students to personalize their own learning and encourages self-exploration and the application of strategies that work best for them as individuals. The program provides differentiated instruction with vertical teaming to ensure that the skills of individual students advance from year to year. A year-long Writing Workshop is woven throughout each of the units.

ENGLISH 10
Grade 10 – 1 Credit
This year-long course builds on students’ abilities in reading, writing, listening, and speaking through the exploration of guiding ideas or themes in a variety of literary genres. Writing, grammar skills, and vocabulary are incorporated in the study of literature. Additionally, students will develop their research and documentation skills by engaging in the composition of a research paper. Particular attention will be given to the preparation and writing of scholarly papers. Students will learn where to look and what to look for in gathering support for an idea. Students will participate in speeches, as well as activities and research projects that are designed to develop the poise, self-confidence, and ability to communicate effectively. Moreover, students will learn to give and receive constructive criticism, listen actively and respond critically to peers. Literature, chosen by the student, will be the anchor of the Independent Reading program. The English curriculum will continue to include more complex material in both literary and informational sources. Students will develop the skills necessary to deeply connect, comprehend and respond to this staircase of complex pieces.

ENGLISH 10 Honors
Grade 10 – 1 Credit
As part of the college Board Springboard Pre-AP Program, this course infuses rigor to prepare all students for college-level work. With high expectations of the student to the subject, the curriculum enhances critical thinking and conceptual understanding. The student will read a variety of texts in a multitude of genres, as well as study media literacy. This program assists students to personalize their own learning and encourages self-exploration and the application of strategies that work best for them as individuals. The program provides differentiated instruction with vertical teaming to ensure that the skills of individual students advance from year to year. A year-long Writing Workshop is woven throughout each of the units.

ENGLISH 11
Grade 11 – 1 Credit
This course will afford students the opportunity to explore, through a thematic approach, the ideas of a wide variety of authors. Students will study both major and minor American authors to recognize and comprehend the diversity inherent in our society. Students will continue to build and develop their skills as analytical readers and writers and as listeners and speakers. They will learn how to intelligently discuss and appreciate the differences in writers’ styles and techniques. A strong focus will be placed on essay writing about literature, although students will be given the opportunity to engage in creative writing as well. The study of language in use – grammar, mechanics, sentence structure, and usage – will be incorporated in an effort to prepare students for the NYS Regents and the SAT. Literature chosen by the students will be the anchor of the independent reading program. The English curriculum utilizes complex material in both literary and informational sources. Students will develop the skills necessary to deeply connect, comprehend, and respond to this staircase of complex pieces.

*AP LANGUAGE AND COMPOSITION
Grades 11-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. This course emphasizes the various rhetorical strategies of formal essay writing, analysis of a variety of genres (essays, poems, novels, short stories), historical periods (from Shakespeare to the present day), and the acquisition of those English language skills requisite of all college bound scholars. All students in the AP course take the AP Examination in May and 11th graders take the English Regents in June.
*LIU COLLEGE ENGLISH Honors
Grade 12 – 1 Credit
FEE ASSOCIATED WITH COURSE
LIU ENG1 – WRITING: COMPOSITION AND ANALYSIS – (ESM QUARTER 1&2) = 3 CREDITS
This course is the first of an integrated two-semester course in basic writing skills. Students will review English grammar, develop their vocabulary, and have regular writing assignments designed to improve their skills in sentence and paragraph structure.
LIU ENG2 – WRITING II: RESEARCH AND ARGUMENTATION – (ESM QUARTER 3&4) = 3 CREDITS FROM LIU
This course is the second of an integrated two-semester course in basic writing skills. Students will concentrate on the thesis statement, use of supporting evidence, and logical development of ideas. Students will be given frequent and regular writing assignments designed to introduce them to the writing of formal essays. Students will be required to prepare a portfolio of their essays, accompanied by a written test to be completed in class the last week of the semester.
College English is offered in conjunction with Long Island University’s High School Scholars Program. Writing assignments are designed to introduce students to the rhetorical strategies of formal college essay writing, research and correct citing of evidence. Assignments will be integrated with reading that models argumentation strategies and connect them to issues within contemporary culture. *Summer writing assignment of 3-5 drafts of college application essay required.

*AP LITERATURE AND COMPOSITION
Grade 12 – 1 Credit
FEE ASSOCIATED WITH COURSE
This is a course for the serious scholar who is committed to improving his or her skills in the field of literary analysis and interpretation. The syllabus ranges from modern novels to 16th century sonnets, and students are expected to respond with various forms of sophisticated and insightful writing. Emphasis is placed on developing the analytical and writing tools necessary for survival in college literature courses. Students take the AP Examination in May.

LYRICS AND POETRY
Grades 9-12 – .5 Credit
Students will learn the craft of writing song lyrics and poetry in a workshop environment. They will listen to and analyze popular lyrics (pop, rock, punk, rap, hip-hop, and alternative), as well as film soundtracks with connection/connection to contemporary poetry. They will write, revise and publish song lyrics and/or poetry of their own, present their work before their peers, and have their work discussed and critiqued by the instructor and their fellow writers. Advanced analysis of lyrics/poetry, rhyme, and social/emotional projection; class participation is essential.

SPORTS AND LITERATURE
Grades 10-12 – .5 Credit
“Perfection is not attainable, but if we chase perfection we can catch excellence.” Vince Lombardi
Whether you play sports or watch them, you know the thrill of victory and the agony of defeat. Learn why sports are so important and answer the questions athletes ask themselves.

This course will provide opportunities to reflect on personal experiences in athletics and connect them to life outside of sports.

ADVERTISING 101
Grades 9-12 – .5 Credit
Have you ever thought about the commercials you watch on TV? Why do advertisers advertise sugary cereals during Saturday morning cartoons? Why pay $4 million for a 30-second ad spot during the Super Bowl? How much are you influenced by advertising, the media and 24-hour news channels? In this new digital age of cell phones, text messaging, emails, blogs and virtual classrooms, how will you adapt and learn to communicate effectively? This class will explore the history of advertising, along with answering these questions as students think critically and analytically about the ever-changing world around them. Assessments will include PBLs, creating a PSA, analyzing advertisements, and looking at advertising not just on television, but in print media outlets as well.

CREATIVE WRITING
Grades 10-12 – 1 Credit
Do you like writing? Do you enjoy more creative writing assignments? If you have ideas for stories, if you keep a journal, write poetry or script dramas in your head, this class is for you. This writing workshop will have you writing nearly every day. Creative writing offers you a chance to express your creativity in a variety of genres. As you are immersed in the process of writing creatively, you will gain greater fluency and confidence in your writing for other academic classes. Instructional technique varies, from daily writing exercises to extended independent projects. Some class time will be used for the analysis of contemporary short stories, examining how professional writers construct fiction. Students will have created a portfolio of work upon completion of the course.

*LIU HUMANITIES Honors
Grades 11-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
CONTINENTAL EUROPEAN LITERATURE I & II - LIU ENG 7 AND ENG 8
This course focuses on the cultural history and artistic development of various societies, including, but not limited to, our own. The curriculum will focus on modern (the 1960’s for instance) and historical periods (the Renaissance or the Greek Mythological Age).

THE GRAPHIC NOVEL
Grades 10-12 – .5 Credit
This course is designed to explore the underappreciated art of the graphic novel. Students will read a variety of graphic novels, focusing on both the written and artistic value and how visual art combines with the written word to enhance and intensify meaning. Students will experience the text and, through class discussion, written assessments and projects, demonstrate their understanding. This course will encourage, increase student creativity, and foster a lifelong love of reading.
ENGLISH 12 SELECTIONS
All seniors will take Senior Seminar in the fall. For the spring, students will select from one of the English 12 course offerings.

Senior Seminar-Fall Semester
Grade 12 - ½ credit
This fall semester course offered to seniors to prepare and develop a variety of writing skills which include college essay writing, APA/MLA writing, email etiquette and resume writing. Embedded with key vocabulary and grammar skills to prepare students for SAT and ACT exams. Students will be expected to utilize multiple formats and to understand the literary and writing skills necessary to be successful in a digital age. Students will reflect on reading assignments, make projections of literary outcomes, and engage in analysis of texts. In focused discussions, students will also practice asking questions and finding information in the text, which will help them to answer essential questions. Written assignments range from response papers and analytical essays to planning, drafting, revising and editing original works.

English 12 Spring Semester Course Offerings

Science Fiction in Literature and Film
Grade 12 - ½ credit
This spring semester course will expose students to a wide range of science fiction in literature and film, focusing on the concepts of future and change. Emphasis is placed on examining the dominant themes of the genre, their relevance to our world today, and the parallels between science fiction and history. Students will read novels and short stories, as well as view films with a critical eye towards interpretation and analysis. Some of the authors include Isaac Asimov, Ray Bradbury, George Orwell, Aldous Huxley, and Frank Herbert. Written assignments range from response papers and analytical essays to planning, drafting, revising, editing and publishing an original science fiction story that incorporates the characteristics and themes of the science fiction genre.

Heroism and Villainy- World Issues through nonfiction literature –
The Heroes we should look up to; Exploring history through personal experiences.
Grade 12 - ½ credit
This spring semester course will expose students to a range of nonfiction literature that focuses on world issues and conflicts and emphasizes the real life heroes who stood up for their beliefs, rights, and freedoms as human beings overcoming struggles and challenges through determination, will, and self-discovery. This class will focus on reading selections that highlight timely social issues such as war, injustice, the search for identity, and the stigma of societal perceptions. The course will challenge students to be active readers, critical thinkers, articulate speakers, discriminating viewers, and capable writers. Students reflect on reading assignments, make projections of literary outcomes, and engage in analysis of texts, while responding to contemporary issues and trends. In focused discussions, students will also practice asking questions and finding information in the text, which will help them to answer essential thematic questions. Written assignments range from response papers and analytical essays to planning, drafting, revising and editing original works that incorporates the characteristics and themes of heroism and villainy.

Critical Issues and ethical dilemmas analyzed through Literature
Grade 12 - ½ credit
This spring semester course will examine topics of morality, identity and society through fiction as well as non-fiction literature. This course is divided into four units, each focusing on an essential question that analyzes human nature and factors that influence who we are. Students read thematic works as a full class, in small groups, and independently, and are required to complete analysis/response entries which serve as the basis for literary discussions. In addition to text reflections, digital analysis will lead to Socratic seminars based on TED Talks. Other student writing consists of essays, quotation responses, and personal memoir pieces. Written assignments range from response papers and analytical essays to planning, drafting, revising and editing original works that incorporates the characteristics and themes of critical issues and ethical dilemmas.

Social Justice through Children's Literature
Grade 12 - ½ credit
This spring semester course will examine Social Justice through the use of a variety of children's literature. “Social justice advocates for the full participation of all people, as well as for their basic legal, civil, and human rights. The aim of social justice is to achieve a just and equitable society.” It is pursued by individuals and groups - through collaborative social action - so that all person share in the prosperity of society”. The course will challenge students to be active readers, critical thinkers, articulate speakers, discriminating viewers, and capable writers. Students reflect on reading assignments, make projections of literary outcomes, and engage in analysis of texts, while responding to contemporary issues and trends. In focused discussions, students will also practice asking questions and finding information in the text, which will help them to answer essential thematic questions. Written assignments range from response papers and analytical essays to planning, drafting, revising and editing original works that incorporates the characteristics and themes of heroism and villainy.
MATH CORE COURSE OFFERINGS

® = Regents
* = College credit / cost incurred
High School Math Courses

Geometry
Grade 9-10 – 1 Credit
This course follows the N.Y.S. Geometry curriculum that includes: (1) Experiment with transformations in the plane, understand congruence in terms of rigid motions, prove geometric theorems, make geometric constructions; (2) understand similarity in terms of similarity transformations, prove theorems involving similarity, define trigonometric ratios and solve problems involving right triangles, apply trigonometry to general triangles, (3) understand and apply theorems about circles and find arc lengths and areas of sectors of circles; (4) Translate between the geometric description and the equation for a conic section and use coordinates to prove simple geometric theorems algebraically; (5) explain volume formulas and use them to solve problems, visualize relationships between two-dimensional and three-dimensional objects; (6) apply geometric concepts in modeling situations. Mathematical Practices addressed in this course are (1) Make sense of problems and persevere in solving them; (2) Reason abstractly and quantitatively; (3) Construct viable arguments and critique the reasoning of others; (4) Model with mathematics; (5) Use appropriate tools strategically; (6) Attend to precision; (7) Look for and make use of structure; and (8) Look for and express regularity in repeated reasoning.

Geometry Honors
Grade 9 – 1 Credit
This course will challenge students to justify relationships in plane and solid geometry. Concepts will include (1) Experiment with transformations in the plane, understand congruence in terms of rigid motions, prove geometric theorems, make geometric constructions; (2) understand similarity in terms of similarity transformations, prove theorems involving similarity, define trigonometric ratios and solve problems involving right triangles, (3) understand and apply theorems about circles and find arc lengths and areas of sectors of circles; (4) Translate between the geometric description and the equation for a conic section and use coordinates to prove simple geometric theorems algebraically; (5) explain volume formulas and use them to solve problems, visualize relationships between two-dimensional and three-dimensional objects; (6) apply geometric concepts in modeling situations. This course will prepare students through sequential development of the prerequisite skills and knowledge needed for the success in future college courses. Such items include, but are limited to, analyze, solve and explain complex math problems, higher order thinking skills, knowledge, and behaviors necessary to be successful in college and beyond.

Algebra
Grade 10 – 1 Credit
Prerequisite: Geometry
This is the third course required for an advanced Regents diploma. Students will study (1) polynomial, rational, and radical relationships; (2) trigonometric functions; (3) modeling with functions; (4) inferences and conclusions from data. Mathematical practices addressed in this course are (1) make sense of problems and persevere in solving them; (2) reason abstractly and quantitatively; (3) construct viable arguments and critique the reasoning of others; (4) model with mathematics; (5) use appropriate tools strategically; (6) attend to precision; (7) look for and make use of structure; and (8) look for and express regularity in repeated reasoning. This class meets daily with an extended period on alternating days.

Algebra II
Grade 10 – 1 Credit
Prerequisite: Geometry
This course integrates the basic concepts of geometry and algebraic solutions to real life problems. Topics include: perimeter; first degree sentences; angle relationships; linear functions; constructions and triangles; area and polynomials; quadratics and special quadrilaterals; radicals and right triangles; linear and quadratic systems; rigid motions and transformations; polygons; quadrilateral properties; circle properties; coordinate geometry; and volume. Upon completion of this course, students will continue on to Geometry.
**ALGEBRA II Honors**
Grade 10 – 1 Credit
This course follows Geometry Honors and will challenge students through ongoing exposures to rigorous mathematics content and experience with the thinking processes needed. In addition to Trigonometry and the Unit circle, more advanced topics in Algebra will be covered such as (1) polynomial, rational, and radical relationships; (2) trigonometric functions; (3) Modeling with Functions; (4) Inferences and conclusions from data. The course will prepare students through sequential development of the prerequisite skills and knowledge needed for the success in future college courses. Such items include, but are not limited to, analyze, solve, and explain complex math problems, higher order thinking skills, knowledge, and behaviors necessary to be successful in college and beyond.

**TRIGONOMETRY**
Grades 10-12 – 1 Credit
High School mathematics generally consists of algebra, geometry, and trigonometry. This course will cover the fundamentals of trigonometry, which will give students a foundation with which to pursue further study. Students will learn and discover about the six trigonometric functions and their relationships. Students will also see how they relate to algebra, geometry, and the real world. Mathematical practices addressed in this course are (1) make sense of problems and persevere in solving them; (2) reason abstractly and quantitatively; (3) construct viable arguments and critique the reasoning of others; (4) model with mathematics; (5) use appropriate tools strategically; (6) attend to precision; (7) look for and make use of structure; and (8) look for and express regularity in repeated reasoning.

**FINANCIAL ALGEBRA**
Grades 12 – 1 Credit
Grades 11 – 1 Credit * With principal or director approval

**Prerequisite: Algebra I**
Mathematics plays a fundamental role in today's world, including our complex financial environment. Using practical business problems and real-world personal financial issues, this course will explore areas of mathematics that help us understand, predict and control our financial world. Topics such as investments, the stock market, business start-ups, banking, credit cards, insurance, income taxes, business planning, home buying, and budgeting are the framework in which students will explore and master mathematical concepts and skills. Students will model problems using a variety of functions and must justify process and results. Problem solving and communicating mathematically will be emphasized. Graphing calculators and/or computers will be used throughout the year. In addition, students will prepare for the college placement exam.

**STATISTICS**
Grades 10-12 – 1 Credit
**Prerequisite: Algebra I**
**Co-Requisite: Enrolled in/successful completion of Geometry**
An introductory course that will explore the field of statistics. Students will learn the concepts that serve as the foundation for the study of probability and statistics. Students will see how fields outside of mathematics use statistics to analyze and interpret data to make informed decisions. With the assistance of technology, they will apply the concepts in a myriad of ways to critically analyze and synthesize information.

**FUNDAMENTALS OF PRECALCULUS**
MAT 124
Grades 11-12 – 1 Credit
**FEE ASSOCIATED WITH COURSE**
**Prerequisite: Minimum of 70 on the Algebra II Regents Exam**
This course will consider topics of Advanced Algebra, Analytic Geometry, and Trigonometry. Topics include zeros and graphs of polynomial functions, graphs and asymptotes of rational functions, exponential and logarithmic functions, and introduction to trigonometry, angle measurement, right triangle trigonometry, properties and graphs of trigonometric functions. This course is designed for students who intend to take Pre-Calculus at the college level.

**PRECALCULUS Honors**
MAT 126
Grades 11-12 – 1 Credit
**FEE ASSOCIATED WITH COURSE**
**Prerequisite: Minimum of 80 on the Algebra II Regents Exam**
This course follows the study of probability and statistics. Students will see how fields outside of mathematics use statistics to analyze and interpret data to make informed decisions. With the assistance of technology, they will apply the concepts in a myriad of ways to critically analyze and synthesize information.

**AP STATISTICS**
Grades 10-12 – 1 Credit
**FEE ASSOCIATED WITH COURSE**
**Prerequisite: Algebra II**
The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.
**SCC CALCULUS Honors**
MAT 141
Grade 12 – 1 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: Precalculus
The first half of this course covers the derivatives of algebraic trigonometric functions with applications to rates, maximization, graphing, integration and the fundamental theorem. The second half of this course covers the applications of the definite integral, the calculus of trigonometric, logarithmic, and exponential functions, methods of integration, improper integrals and infinite series. Students receive 8 college credits in mathematics.

**AP CALCULUS AB**
Grade 12 – 1 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: Precalculus
AP Calculus is designed for self-motivated, high-achieving students. This rigorous study of college mathematics will include the limit process, differential calculus, and introductory integral calculus. Some preparatory work will be recommended for completion during the summer prior to the start of the course. Students in this course must have a graphing calculator. Students take the AP Examination in May.

**AP CALCULUS BC**
Grade 12 – 1 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: Precalculus
This course consists of a full academic year of work in calculus. In addition to the topics covered in Calculus AB, the BC course includes topics such as infinite series, logistic growth, vector functions, L'Hospital Rule, polar coordinates, improper integrals, partial fractions and arc length. Additional functions on the TI 84 calculator will be taught and used. The AP exam will have both a BC score and an AB sub score.
SCIENCE CORE COURSE OFFERINGS

Living Environment ®

Earth Science H ®

Chemistry H ®

Chemistry ©

*AP Environmental

*AP Chem.

Physics ®

*AP Physics 1 ®

*AP Physics 2

*AP Physics C

*AP Biology

SCIENCE RESEARCH

Science Research I H - grades 9-10
Introduction to College Research Methods - grades 10-11
Intermediate Science Research – grades 11-12 (Summer)
Intermediate Methods Research – grades 11-12
Advanced Science Research – grade 12 (Summer)
Advanced Methods of Research – grade 12

SCIENCE ELECTIVE COURSE OFFERINGS

Marine Biology - .5 credit - grades 9-12
Oceanography - .5 credit - grades 9-12
Natural Hazards - .5 credit - grades 9-12
Forensic Science - .5 credit - grades 9-12
Anatomy & Physiology I H - .5 credit - grades 11-12
Anatomy & Physiology II H - .5 credit - grades 11-12
*LIU Forensic Science - 1 credit - grades 11-12

® = Regents
*College credit / cost incurred
**High School Science Courses**

**EARTH SCIENCE-PHYSICAL SETTING**  
Grade 9 – 1 Credit  
This course of study includes the topics of geology, astronomy and meteorology. The program places emphasis on problem solving, environmental responsibility, and inquiry skills. The Regents assessment has two components: a laboratory performance test and a written examination. This class meets daily with a laboratory period on alternating days.

**EARTH SCIENCE-PHYSICAL SETTING Honors**  
Grade 9 – 1 Credit  
This challenging, intensive Earth Science course is offered to highly motivated, high-achieving science students for the Physical Setting Earth Science Regents exam in June. Students will be required to complete Earth Science related investigations in the computer lab, supplemental readings, and independent research projects. This class meets daily with a laboratory period on alternating days.

**LIVING ENVIRONMENT**  
Grade 9 – 1 Credit  
*May be taken for Honors credit based upon approval and completion of instructor’s designated assignment*  
This course is based upon the New York State Living Environment Next Generation Learning Standards. Students will investigate the living world through lab experiences and inquiry. The interactions of the cells, organs, and organ systems of humans will be studied, as well as the impact of humans on the surrounding environment. This class meets daily with a laboratory period on alternating days.

**MARINE BIOLOGY**  
Grade 9-12 – .5 Credit  
This course will emphasize the study of the living parts of our local marine environment. Topics will include the classification, identification, and anatomy of marine organisms. Students will be required to research and write about local marine species and environmental issues.

**NATURAL HAZARDS**  
Grade 9-12 – .5 Credit  
This course will examine the causes and characteristics of phenomenon like earthquakes, volcanic eruptions, landslides, storms, floods, giant sea waves, meteor impacts, climate changes, biological hazards such as plagues, and mass extinctions. It will also include investigating the risk these natural hazards pose to the lives of people, the geographic distribution of the disasters and the geological causes of these natural hazards. There will be laboratory exercises as well as a final project integrating all the information covered in the class as well as a mid-term and final.

**FORENSIC SCIENCE**  
Grade 9-12 – .5 Credit  
An interdisciplinary elective course designed to give students an overview of the field of Forensic Science and the possible occupational opportunities available to them. The main topics of the course may include history of forensic science, crime scene processing, analysis of physical evidence, impression evidence, odontology, fingerprinting, document analysis, arson and explosive detection techniques, murder and psychological profiling. There will be laboratory exercises as well as a final project integrating all the information covered in the class, as well as a mid-term and final.

**CHEMISTRY-PHYSICAL SETTING**  
Grade 10-11 – 1 Credit  
Prerequisite: Living Environment, Earth Science, and Algebra  
This course presents a modern view of chemistry suitable for students with a wide range of skills and abilities. Laboratory work is designed to bring class work into focus through hands-on application of abstract principles. Among the areas of study are matter and energy, atomic theory, organic chemistry and acids, bases and salts. This class meets daily with a laboratory period on alternating days.

**CHEMISTRY-PHYSICAL SETTING Honors**  
Grades 10-11 – 1 Credit  
Prerequisite: Living Environment, Earth Science, and a minimum grade of 85 on Algebra Regents Exam  
This course will go beyond the basic Regents Chemistry core curriculum in preparation for the SAT II in chemistry. Each topic will be taught more in depth with additional focus being put on activities, problem assignments and lab exercises that require more inquiry and student participation. This class meets daily with a laboratory period on alternating days.

*AP PHYSICS 1*  
Grade 11-12 – 1 Credit  
FEE ASSOCIATED WITH COURSE  
Prerequisite: Chemistry Regents and Algebra II Regents  
**AP Physics 1** is a rigorous course that will cover topics in mechanics and energy, waves, and electricity at the college level. Additionally, students will cover all topics necessary for the New York State Regents Physics Exam. Students will be expected to use problem solving and analytical skills of varying levels, including those from college texts. This class meets daily with a laboratory period on alternating days. In order to be successful in this advanced placement course, students will need a strong math background with skills in advanced algebra and trigonometry. Students are expected to take both the AP Examination in May and the Regents Examination in June.
**AP CHEMISTRY-PHYSICAL SETTING**
Grade 11-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: Chemistry Regents, Algebra Regents, and Geometry Regents
This course will follow freshman college chemistry, which is a two-semester course offered by most colleges. Extensive problem solving, reaction equilibrium, gas laws, reaction analysis, and laboratory exercises that are included in the AP Guidelines will be covered. This class meets daily with a laboratory period on alternating days. Students take the AP Examination in May.

**PHYSICS-PHYSICAL SETTING**
Grades 11-12 – 1 Credit
Prerequisite: Regents Chemistry and Algebra
The physical environment is examined through a concentrated study in four major units: mechanics and energy, electricity and magnetism, waves and light, and particle physics. It is necessary for students in this course to have an adequate background in basic algebra and trigonometry. This class meets daily with a laboratory period on alternating days. Students are expected to take the Regents Exam in June.

**AP ENVIRONMENTAL SCIENCE**
Grades 10-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
Co-Prerequisite: Chemistry Regents
Environmental Science is interdisciplinary and embraces a variety of topics from different areas of scientific study. The goal of the course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. These principles will be applied to identifying and analyzing environmental problems, natural and man-made; evaluating the relative risks associated with these problems, and examining alternative solutions for resolving and/or preventing them. This class meets daily with a laboratory period on alternating days. Students take the AP Environmental Exam in May.

**AP BIOLOGY**
Grades 11-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: Living Environment Regents, Chemistry Regents, Algebra Regents and Geometry Regents
AP Biology is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. The AP Biology course is designed to be taken by students after the successful completion of a first course in high school biology and one in high school chemistry as well. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Extensive inquiry-based lab activities will be conducted throughout the year. This class meets daily with a laboratory period on alternating days. Students take the AP Examination in May.

**AP PHYSICS 2**
Grade 12 – 1 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: Physics or AP Physics 1
Co-requirement: Students must be enrolled in AP Calculus AB or AP Calculus BC
AP Physics 2 is the equivalent to a college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Students will be expected to use problem solving and analytical skills of varying levels, including those from college texts. In order to be successful in this advanced placement course, students will need a strong math background with skills in advanced algebra and trigonometry. This class meets daily with a laboratory period on alternating days. Students are expected to take the AP Examination in May.

**OCEANOGRAPHY**
Grades 9-12 – .5 Credit
The focus of this course will be on the non-living aspects of the world's oceans. Topics will include wave-motion study; coastal erosion; ocean topography; vertical currents; tidal forces; tsunamis; the oceans' impact on humans; and the human impact on the oceans (oil spills, fishing, etc). Other topics in the curriculum will be involved with boating safety, wetlands, and other local issues. The course will involve frequent use of research on the internet. Students completing this course will have the necessary background to compete in official Marine Science Quiz bowl competitions.
*LIU COLLEGE FORENSIC SCIENCE Honors
Grade 11-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
FORENSIC SCIENCE – LIU BMS 71
Prerequisite: Living Environment and Chemistry Regents
This course is offered in conjunction with Syracuse University Project Advance Program. Syracuse University Forensics is an advanced level course offered for college credit. SUPA Forensics is intended to provide an introduction to understanding the science behind crime detection. Scientific methods specifically relevant to crime detection and analysis will be presented with emphasis placed upon the techniques used in evaluating physical evidence. Topics included are blood analysis, organic and inorganic evidence analysis, microscopic investigations, hair analysis, DNA, drug chemistry and toxicology, fiber comparisons, paints, glass compositions and fragmentation, fingerprints, soil comparisons, and arson investigations, among others. Final grades will be assigned based upon the hour exams, the comprehensive final examination, projects and the laboratory.

ANATOMY AND PHYSIOLOGY I Honors
Grades 11-12 – .5 Credit
Prerequisite: Chemistry Regents
This course is an introduction to the structure and function of the human body and its various systems. Topics covered include elementary cytophysiology, histology, and anatomy and physiology of the integumentary system, skeletal system, muscular system, nervous system and special senses. The laboratory work in this course parallels lecture topics and includes microscopy, study of human anatomical models, dissection of preserved animals and physiological experimentation.

ANATOMY AND PHYSIOLOGY II Honors
Grades 11-12 – .5 Credit
Prerequisite: Chemistry Regents and Anatomy and Physiology I Honors
This course is an introduction to the structure and function of the human body and its various systems. Topics will include elementary cytophysiology, histology, and anatomy and physiology of the excretory system, respiratory system, circulatory system, endocrine system and digestive system. Laboratory work parallels lecture topics and includes microscopy, study of human anatomical models, dissection of preserved animals and physiological experimentation.

SCIENCE RESEARCH I Honors
Grade 9-10 – .5 Credit
Prerequisite: Living Environment Regents
This course is designed for students who demonstrate a high aptitude in science, a strong work ethic, and interest in science and technology. The focus of this course is the development of creativity and research skills. Students will work in groups to develop research proposals, use data bases for obtaining peer-reviewed papers, and design, research, and conduct an experiment to solve a problem in science. Topics include experimental design, data analysis, library and database research methods, and scientific paper writing. Students are encouraged to enter projects into science and engineering contests. This course meets one period on an alternating A/B schedule.

*INTRODUCTION TO COLLEGE RESEARCH METHODS Honors
Grades 10-11 – .5 Credit
Prerequisite: Science Research I Honors
This is the first course in a three-year science elective sequence designed for students who have taken Introduction to Science Research and are prepared to begin work on an independent research project. Prior to the first day of class students will find and summarize 10 articles on a topic of their choice and present their research during the first week of class. The research topic will be narrowed to a specific topic through further article research. As the topic is refined, students will utilize peer-reviewed articles for their focused topic. Students will present their peer-reviewed articles in class and develop a research hypothesis. Students must attend a regional science symposium or competition in the spring. Students are required to obtain a research mentor in the topic area before the end of the course. Students will present their current article research at the annual local symposium. Students who successfully complete this first course may enroll in the following courses for college credits offered through the university at Albany.

*INTERMEDIATE SCIENCE RESEARCH
Grades 11-12
FEE ASSOCIATED WITH COURSE
Prerequisite: Introduction to College Research Methods
Students learn research methodology in the natural and social sciences by accessing scientific databases, using on-line bibliographic search techniques, consulting doctoral-level research scholars, developing hypotheses and performing experiments to test them, and by writing research papers and making presentations at scientific symposia. It is expected that the students will have done many of these activities in the prerequisite high school course, and in this course emphasis is placed upon the formulation of hypotheses and initiation of experiments in consultation with mentors. This is a college credit-bearing course only. (2 College credits available) No High School credit granted. This course is only offered over the summer with department coordinator approval.

*INTERMEDIATE METHODS OF RESEARCH Honors
Grades 11-12 – .5 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: Introduction to College Research Methods
Students learn research methodology in the natural and social sciences by accessing scientific databases, by using on-line bibliographic search techniques, consulting doctoral-level research scholars, developing hypotheses and performing experiments to test them, and by writing research papers and making presentations at scientific symposia. It is expected that the students will have done many of these activities in the prerequisite high school course, and in this course emphasis is placed upon the formulation of hypotheses and initiation of experiments in consultation with mentors. 4 College credits available
*ADVANCED SCIENCE RESEARCH
Grade 12
FEE ASSOCIATED WITH COURSE
Prerequisite: Intermediate Science Research
Continuation of work undertaken in Intermediate Science Research with emphasis placed upon the completion of experiments in consultation with mentors. Students will consult with their teachers as necessary, but will not meet in a formal classroom period. This is a college credit-bearing course only. (2 College credits available) No High School credit granted. This course is only offered over the summer with department coordinator approval.

*ADVANCED METHODS OF RESEARCH Honors
Grade 12 — .5 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: Intermediate Methods of Research
Continuation of work undertaken in Intermediate Methods of Research with emphasis placed upon the communication of results. Students are expected to spend at least three hours per week outside of class. 4 College credits available
SOCIAL STUDIES CORE COURSE OFFERINGS

- **Pre-AP World History**
- **AP World®**
- **AP US History®**
- **US History & Gov't®**
- **Global I**
- **Global II®**

SOCIAL STUDIES ELECTIVE COURSE OFFERING

- **U.S. Presidents: An In-Depth Study** – .5 credit - grades 10-12
- **Anthropology & Archaeology** – .5 credit - grades 9-10
- **Government & Genocide** – .5 credit - grades 10-12
- **The Future of Mankind** – .5 credit - grades 11-12
- **LIU Criminal Justice H** – grades 10-12
- **AP European History** – grades 11-12
- **AP Human Geography** – grades 10-12 *(2020-2021)*

- **Psychology**
- **Advanced Topics in Psych**
- **AP Psychology**

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**High School SS Courses**

**GLOBAL HISTORY AND GEOGRAPHY I**  
*Grade 9 – 1 Credit*  
This course is the first year of the mandatory two-year Regents course in global history and geography. The course sequence begins with the Paleolithic Era and the development of the first civilizations, continues with an examination of classical societies, and traces the expansion of trade networks and their global impact. The course emphasizes the key themes of interactions over time, shifts in political power, and the role of belief systems.

**PRE-AP WORLD HISTORY**  
*Grade 9 – 1 Credit*  
**FEE ASSOCIATED WITH COURSE**  
This course is designed for only the highest achieving students engaging in extensive course work in hopes to gain college credit while still in high school. It is the first year of a two-year course designed for students who are highly motivated and who possess strong reading and writing skills as well as a mature work ethic. Over the two-year period students will explore five time periods with six overarching themes that emphasize human endeavors, such as the impact of intellectual and technological developments and the emergence of the modern nation-state. These themes provide a framework to make comparisons over time and across cultures. For all time periods, major interpretive issues, alternative historical frameworks and historical debates define the program. Students take the AP Examination in May and the Global History Regents in June of 10th grade.

**ANTHROPOLOGY AND ARCHAEOLOGY**  
*Grade 9-10 – .5 Credit*  
A human neck two feet long. A walk across 500 degree hot coals. 5000 year old artifacts of ancient cultures. If this interests you, then so will this overview of past and present cultures. A portion of this class will also include “hands on” archaeology, where students will excavate, examine, and analyze artifacts from an actual dig.

**GLOBAL HISTORY AND GEOGRAPHY II**  
*Grade 10 – 1 Credit*  
This course provides a snapshot of the world circa 1750 and continues chronologically up to the present. Several concepts are woven throughout the course including industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world. The last three Key Ideas focus on global issues, applying a more thematic approach. Global Studies II will utilize primary source documents throughout the year to prepare students for the challenge and rigor of the Global History Regents examination in June.

**AP WORLD HISTORY**  
*Grade 10 – 1 Credit*  
**FEE ASSOCIATED WITH COURSE**  
**Prerequisite: Pre-AP World History**  
This is the second year of the two-year Advanced Placement World History program. Over the two-year period students will explore five time periods with six overarching themes that emphasize human endeavors, such as the impact of intellectual and technological developments and the emergence of the modern nation-state. These themes provide a framework to make comparisons over time and across cultures. For all time periods, major interpretive issues, alternative historical frameworks and historical debates define the program. Students take the AP Examination in May and the Global History Regents in June.

**U.S. HISTORY AND GOVERNMENT**  
*Grade 11 – 1 Credit*  
Coursework begins with the colonial and constitutional foundations of the United States and explores the government structure and functions written in the Constitution. The development of the nation and the political, social, and economic factors that led to the challenges our nation faced in the Civil War are addressed. Industrialization, urbanization, and the accompanying problems are examined, along with America’s emergence as a world power, the two world wars of the 20th century, and the Cold War. Students explore the expansion of the federal government, the threat of terrorism, and the place of the United States in an increasingly globalized and interconnected world.

**AP U.S. HISTORY**  
*Grade 11 – 1 Credit*  
**FEE ASSOCIATED WITH COURSE**  
This course is designed for the highest achieving students engaging in extensive course work in hopes to gain college credit while still in high school. The course will be a comprehensive in depth study of American History based on the interpretation of historical documents and quotes. Students will take the AP Examination in May and the United States History Regents Exam in June.

**PARTICIPATION IN GOVERNMENT AND CIVICS**  
*Grade 12 – .5 Credit*  
This course aims to provide students with opportunities to become engaged in the political process by acquiring the knowledge and practicing the skills necessary for active citizenship. The course can adapt to present local, national, and global circumstances, allowing teachers to select flexibly from current events to illuminate key ideas and conceptual understandings. Participation in government and in our communities is fundamental to the success of American democracy.

**PARTICIPATION IN GOVERNMENT Honors**  
*Grade 12 – .5 Credit*  
Students enrolled into this course will study the formation of the United States Government; interpret the Declaration of Independence and the U.S. Constitution, and the detailed workings of the three branches of the U.S. Government. Students will discuss how political parties and special interest groups affect the process of government and the running a country.

**ECONOMICS, THE ENTERPRISE SYSTEM & FINANCE**  
*Grade 12 – .5 Credit*  
“Economics, the Enterprise System, and Finance” examines the principles of the United States free market economy in a global context. Students will examine their individual
responsibility for managing their personal finances, the role of supply and demand in determining the prices individuals and businesses face in the product and factor markets, and the global nature of these markets. Students will study changes to the workforce in the United States, and the role of entrepreneurs in our economy, as well as the effects of globalization. Students will explore the challenges facing the United States free market economy in a global environment and various policy-making opportunities available to government to address these challenges.

ECONOMICS Honors
Grade 12 – .5 Credit
Students enrolled in this course will study both micro and macroeconomics. Microeconomics studies will include the function of product markets, opportunity cost, diminished returns, monopolistic competition, and income distribution. Macroeconomics studies will include circular flow, fiscal policy, deficits, and exchange rates.

*AP MACROECONOMICS
Grades 11-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
An AP course in Macroeconomics is designed to give a thorough understanding of the principles of macroeconomics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price determination, and also develop familiarity with economic performance measures, economic growth, and international economics.

*AP HUMAN GEOGRAPHY
Grades 10-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. (This course is offered in 2020-2021)

PSYCHOLOGY
Grades 10-12 – .5 Credit
This introductory course will cover broad areas of psychology which may include the following topics: abnormal psychology, behavior development, child psychology, criminal psychology, hypnosis, personality theories and tests, sleep and dream analysis, sports psychology and social psychology.

ADVANCED TOPICS IN PSYCHOLOGY
Grades 10-12 – .5 Credit
Prerequisite: Psychology
Part 1 Child/Developmental Psychology.
Students will examine the physical, motor, emotional and social development from birth through adulthood. Emphasis is on major theories and perspectives as they relate to the physical, cognitive, and psycho-social aspects of development from conception to death. Upon completion, students should be able to demonstrate knowledge of development across the life span. Students learn through case studies how these concepts affect development, analyzing which ones have the greatest influence in early childhood and in later years.
Part 2 Abnormal Psychology.
This course provides an examination of the various psychological disorders as well as theoretical, clinical, and experimental perspectives of the study of psychopathology. Emphasis is on terminology, classification, causes, assessment, and treatment of the major disorders. Upon completion, students should be able to distinguish between normal and abnormal behavior patterns as well as demonstrate knowledge of causes, symptoms, and therapeutic techniques.

U.S. PRESIDENTS: AN IN-DEPTH STUDY
Grades 10-12 – .5 Credit
This course provides an in-depth study of the men who shaped our country’s history from their childhood to the end of their lives. The U.S. Presidents are an unusual group of people who have often been as conflicted as our great nation. Get to know them through a study of their leadership styles and accomplishments as well as through a visual tour of their homes and our monuments, their past, and our future. You know the names: Washington, Jefferson, Lincoln, and Roosevelt; now know the men.

*AP PSYCHOLOGY
Grades 11-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: Psychology and approval of the instructor.
The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.

GOVERNMENT AND GENOCIDE
Grades 10-12 – .5 Credit
Genocide, holocaust, mass-murder have all been committed by established governments. How could these things have happened? This course will explore government policies and persecution in Germany, Cambodia, Turkey and Iran. Could such policies become acceptable in the United States? Japanese detention camps, Skinheads, the American Nazi Party are all part of America’s history. This course will also address the implications of these phenomena.

*LIU CRIMINAL JUSTICE Honors
Grades 11-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
LIU-CRJ11
Introduction to Criminal Justice is offered in conjunction with Long Island University’s S.C.A.L.E. program. This course covers agencies and processes involved in the administration of criminal justice. It surveys the roles of the police, district attorney, courts, probation, corrections and parole.
*AP EUROPEAN HISTORY
Grade 11-12 – 1 Credit

FEE ASSOCIATED WITH COURSE
This course is designed for only the highest achieving students engaging in extensive course work in hopes to gain college credit while still in high school. This course is a comprehensive, in-depth study of European History from the Renaissance period up to The Modern World. Special attention will be given to the enrichment of European History through the interpretation of historical documents and quotes. Students take the AP Examination in May.

THE FUTURE OF MANKIND
Grades 11-12 – .5 Credit
As we continue to evolve in the 21st century, events in remote corners of the world quickly reverberate in this country. As a people, and as a nation, we must assess these events and find ways to adapt and thrive. This student-centered course will explore the various problems in our international society. Current events and issues are having a profound impact on our world. Students will explore these and attempt to solve them as well. Students will take roles in affairs of state, gain insight through research, and present solutions to the greatest problems facing humanity.
WORLD LANGUAGE CORE COURSE OFFERINGS

French II
- French III (F)
  - *St. John's FRN 1010-1020
  - *St. John's FRN 2030-2040

ASL I
- ASL II
  - *St. John's FRN 1010-1020

Spanish I
- Spanish II
  - *St. John's SPA 1010-1020

Spanish II
- Spanish III (F)
  - *St. John's SPA 1010-1020

Spanish III (F)
- Spanish IV
  - *St. John's SPA 1010-1020

World Language Elective Course Offerings

Conversational Spanish – .5 credits - grades 10-12

*(F) = FLACS exam
*College credit / cost incurred
High School World Language Courses

FRENCH II
Grade 9-10 – 1 Credit
Prerequisite: A passing grade of 65 or above in French A and French B and on a locally developed Second Language Proficiency Examination or a 65 or above in French I
This course is designed to enhance the fundamentals of French I. As the beginning of NYS Checkpoint B standards, special emphasis is placed on grammar and vocabulary to prepare students to effectively communicate and collaborate with diverse partners, building on others’ ideas and expressing their own clearly and persuasively. Listening and reading comprehension activities further strengthen basic understanding of the language. Students will also explore Francophone culture through the use of multimedia resources.

SPANISH I
Grade 9 – 1 Credit
This course is the introduction to the Spanish language with an emphasis placed on vocabulary, speaking, listening, reading and writing at the NYS Checkpoint A level. Students will take a final Exam in Spanish at the end of this course. Students who successfully complete this course with a passing average of 65 or above can receive one high school credit and continue to Spanish II.

SPANISH II
Grade 9-10 – 1 Credit
Prerequisite: A passing grade of 65 or above in Spanish A and Spanish B and on a locally developed Second Language Proficiency Examination or a 65 or above in Spanish I
This course is designed to enhance the fundamentals of Spanish I. As the beginning of NYS Checkpoint B standards, special emphasis is placed on grammar and vocabulary to prepare students to effectively communicate and collaborate with diverse partners, building on others’ ideas and expressing their own clearly and persuasively. Listening and reading comprehension activities further strengthen basic understanding of the language. Students will also explore Spanish and Hispanic culture through the use of multimedia resources.

AMERICAN SIGN LANGUAGE I
Grade 9-12 – 1 Credit
This one-year elective is an introductory course which will enable students to learn the fundamentals of ASL. This course will enable students to communicate through application of the following skills: motor, visual, basic vocabulary, body language and facial expressions. Students will learn basic linguistic and grammatical rules for ASL. Students will participate in daily expressive and receptive signing activities. Students will learn the history of ASL and become knowledgeable about aspects of Deaf culture. Students who successfully complete this course with a passing average of 65 or above can receive one high school graduation credit and continue to ASL II.

FRENCH III
Grades 10-11 – 1 Credit
Prerequisite: A passing grade of 65 or above in French II
This course is designed to allow students to reach the NYS Checkpoint B level of proficiency in the French language. Emphasis is placed on student’s acquiring skills to communicate effectively and demonstrate command of the language by reading informational texts and strengthening listening and writing skills through the mastery of verb tenses and many common idiomatic expressions. At the conclusion of this course, students will take a locally developed language exam that supports the format and content of Checkpoint B in order to meet the requirements for the Advanced Regents diploma.

*ST. JOHN’S FRENCH 1010-1020 Honors
Grades 11-12 – 1 Credit
THERE IS A FEE ASSOCIATED WITH THIS COURSE
Prerequisite: A passing grade of 90 or above in French III
Eligibility for St. John’s credit is contingent upon PSAT score of 100 score of 21.
This intensive college course is a proficiency-based course which continues to develop the five language skills (listening, speaking, reading, writing and culture) and prepares students to communicate effectively in both written and spoken French on a variety of topics related to themselves, their personal experiences, and everyday situations one might encounter in a French-speaking environment. Communicative objectives include: giving and getting information, directions and advice, telling anecdotes and stories, expressing doubts and opinions about a variety of topics and situations, making explanations, talking about the future and hypothesizing. There is also emphasis on surviving predictable and complicated situations, narrating and describing in present, past and future time. Students are prepared to deal with real-life situations that may arise in a French-speaking environment. The class is conducted entirely in French. Note: French 1010 and French 1020 are consecutive 3-credit courses that are combined for a total of 6 college credits. Additional requirements exist from the University to register for French 1020.

*ST. JOHN’S FRENCH 2030-2040 Honors
Grade 12 – 1 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: A passing grade of 80 or above in St. John’s French 1010/1020
This intermediate-level college course is designed for students who wish to further their understanding of the French language and culture. The credit-bearing course emphasizes the structure of the language, refines previously acquired linguistic skills and builds cultural awareness. Throughout the course, students will express themselves in Spanish, narrating events in present, past and future time. Authentic cultural and literary texts are introduced. Multimedia resources will be incorporated so that students will be exposed to myriad accents, dialects and cultural settings. The class is conducted entirely in French. Note: French 2030 and French 2040 are consecutive 3-credit courses that are combined for a total of 6 college credits. Additional requirements exist from the University to register for French 2040.
**SPANISH III**

*Grades 10-11 – 1 Credit*

**Prerequisite: A passing grade of 65 or above in Spanish II**

This course is designed to allow students to reach the NYS Checkpoint B level of proficiency in the Spanish language. Emphasis is placed on students acquiring skills to communicate effectively and demonstrate command of the language by reading informational texts and strengthening listening and writing skills through the mastery of verb tenses and many common idiomatic expressions. At the conclusion of this course, students will take a locally developed language exam that supports the format and content of Checkpoint B in order to meet the requirements for the Advanced Regents diploma.

**SPANISH IV**

*Grades 11-12 – 1 Credit*

**Prerequisite: A passing grade of 65 or above in Spanish III**

This course involves a conversational and cultural approach to learning Spanish. It incorporates technology, projects and original literature in its curriculum. Emphasis is placed on oral and written articulation in Spanish. Projects rely on student involvement and self-motivation. Mastery of the material in Spanish IV is required for the continuation of study in the St. John’s University Spanish 1010/1020 course.

*ST. JOHN’S SPANISH 1010-1020 Honors*

*Grades 11-12 – 1 Credit*

**FEE ASSOCIATED WITH COURSE**

**Prerequisite: A passing grade of 90 or above in Spanish III or Spanish IV**

**Eligibility for St. John’s credit is contingent upon PSAT score of 100 score of 21.**

This intensive college course is a proficiency-based course which continues to develop the five language skills (listening, speaking, reading, writing and culture) and prepares students to communicate effectively in both written and spoken Spanish on a variety of topics related to themselves, their personal experiences, and everyday situations one might encounter in a Spanish-speaking environment. Communicative objectives include: giving and getting information, directions and advice, telling anecdotes and stories, expressing doubts and opinions about a variety of topics and situations, making explanations, talking about the future and hypothesizing. There is also emphasis on surviving predictable and complicated situations, narrating and describing in present, past and future time. Students are prepared to deal with real-life situations that may arise in a Spanish-speaking environment. This class is conducted entirely in Spanish. Note: Spanish 1010 and Spanish 1020 are consecutive 3-credit courses that are combined for a total of 6 college credits. Additional requirements exist from the University to register for Spanish 1020.

*ST. JOHN’S SPANISH 2030-2040 Honors*

*Grade 12 – 1 Credit*

**FEE ASSOCIATED WITH COURSE**

**Prerequisite: A passing grade of 80 or above in St. John’s Spanish 1010/1020**

**Eligibility for St. John’s credit is contingent upon PSAT score of 100 score of 21.**

This intermediate-level college course is designed for students who wish to further their understanding of the Spanish language and culture. The credit-bearing course emphasizes the structure of the language, refines previously acquired linguistic skills and builds cultural awareness. Throughout the course, students will express themselves in Spanish, narrating events in present, past and future time. Authentic cultural and literary texts are introduced. Multimedia resources will be incorporated so that students will be exposed to myriad accents, dialects and cultural settings. This class is conducted entirely in Spanish. Note: Spanish 2030 and Spanish 2040 are consecutive 3-credit courses that are combined for a total of 6 college credits. Additional requirements exist from the University to register for Spanish 2040.

**AMERICAN SIGN LANGUAGE II**

*Grades 10-12 – 1 Credit*

**Prerequisite: American Sign Language I**

This one-year elective course will expand student’s knowledge of ASL. Students will apply previous knowledge through continued application of the following skills: motor, visual, intermediate vocabulary, body language and facial expressions. Students will build on linguistic and grammatical rules. This course will incorporate more project based learning. Students will continue to participate in daily expressive and receptive activities.

**AMERICAN SIGN LANGUAGE III**

*Grades 11-12 – 1 Credit*

**Prerequisite: American Sign Language II**

This course is designed to enhance the fundamentals learned in ASL I and II. The course will enable students to continue communicating through motor skill and visual skill use, advanced vocabulary, body language as well as continuing to expand on use of facial expressions. Students will continue to build on linguistic and grammatical rules and participate in expressive and receptive signing activities. ASL III is designed to give students a sense of fluency and continued use for signed communication. At the completion of ASL III, students will take a locally developed examination that supports the format and content of Checkpoint B in order to meet the requirements for the Advanced Regents diploma.

*St John’s AMERICAN SIGN LANGUAGE IV Honors*

*Grades 12 – 1 Credit*

**FEE ASSOCIATED WITH COURSE**

**Prerequisite: American Sign Language III**

American Sign Language (ASL) students who have satisfied Checkpoint A and B of the New York State Standards will be given the opportunity to expand their language study. This course will allow students to improve their proficiency while continuing to explore aspects of Deaf culture and the Deaf community in addition to receiving up to 6 college credits.
CONVERSATIONAL SPANISH
Grades 10-12 – .5 Credit
This course will emphasize oral Spanish language skills in a variety of topics at a basic level and an understanding of the Hispanic culture. Listening, speaking, reading and writing skills are developed with an emphasis on conversation, facilitated by the study of vocabulary and structure. Students will participate in realistic conversational activities and will also encounter a variety of cultural experiences in the Spanish-speaking world. Possible careers that will be addressed in this course are: medical professions, paralegal, law-enforcement and business. Each topic teaches students general Spanish grammar, pronunciation, and vocabulary that are concentrated in the fields. The course is suitable for students with little or no previous knowledge of the Spanish language.
VISUAL & MEDIA ARTS CORE COURSE OFFERINGS

- Studio in Art
  - Ceramics I
    - Ceramics II
  - Drawing & Painting
    - Advanced Drawing &
  - Studio in Photography
    - Advanced Studio in Photography
- Film & Television Prod I
  - Video Broadcasting
  - Film & Television Prod II
- Computer Graphics I
  - Computer Graphics II
- *AP Studio Art/Drawing Portfolio

OTHER VISUAL & MEDIA ARTS COURSE OFFERINGS

- Contemporary Creative Crafts - .5 credits - grades 10-12
- Cartoon Illustration & Animation - 1 credit - grades 10-12
- *AP Art History - grades 10-12

*College credit / cost incurred
High School Visual & Media Arts Courses

STUDIO IN ART
Grade 9-12 – 1 Credit
This course is a prerequisite to other elective art courses. It is a year-long introductory course into the nature, function, and techniques of the visual arts of the past and present. Two-dimensional artwork will be explored in a variety of media. Dry will include pencil, charcoal, conte and pastels; wet will include inks, tempera, and acrylic paints. Three-dimensional art forms will be explored in a wide variety of media. A notebook for art history and a sketchbook for homework assignments are mandatory.

DRAWING AND PAINTING
Grades 10-12 – 1 Credit
Prerequisite: Studio in Art
Studio in Drawing and Painting is a course which concentrates on the development of two dimensional art forms. Media such as charcoal, pencil, pastel, scratchboard, watercolor, tempera and acrylics will be explored in both black and white and color compositions. Students will demonstrate an understanding of art criticism, art history, aesthetic principles, and show their connections to works of art. A notebook/sketchbook will be required.

ADVANCED DRAWING AND PAINTING
Grades 11-12 – 1 Credit
Prerequisite: Drawing and Painting
This Advanced Drawing and Painting course provides a unique opportunity for those wishing to spend time refining their artistic skills through an intensive program of teaching. This course has been specifically designed for those wishing to gain a deeper understanding of their own practice, while being pushed in new directions, both technically and conceptually. Students wanting to improve their portfolio or enhance their current body of work should strongly consider this course, as students will create two exhibitions over the academic year. Students will be assessed on the completion of the class work with quarterly portfolio review based on New York State Standards.

STUDIO IN PHOTOGRAPHY
Grades 10-12 – .5 Credit
Prerequisite: Studio in Art
This course will introduce students to photographic practices and techniques within a creative studio environment. The primary objective is to provide students with intensive hands-on technical experience with B & W photography while also familiarizing them with the history of photography. The technical challenges of each assignment should be met with maximum creativity as there will be an equal emphasis on the aesthetic dimensions of the work. All assignments will be based upon those theories and concepts presented in Studio in Art. We will be using 35 mm manual cameras. If you wish to use your own 35 mm automatic camera, please make sure you are able to switch it to manual. A notebook/sketchbook will be required.

ADVANCED STUDIO IN PHOTOGRAPHY
Grades 10-12 – .5 Credit
Prerequisite: Studio in Photography
This course is a continuation to photographic practices and techniques within a creative studio environment. Students will explore an introduction to digital photography. The primary objective of the course is to provide students with an advanced hands-on technical experience with B&W photography. Students will also be required to study a photographer of choice. All assignments will have their foundation in theories and concepts presented in Studio in Art. We will be using 35 mm manual cameras. If you wish to use your own 35 mm automatic camera, please make sure you are able to switch it to manual. A notebook/sketchbook will be required.

CERAMICS I
Grades 10-12 – .5 Credit
Prerequisite: Studio in Art recommended
Studio in Ceramics is a comprehensive study of the creative possibilities of clays and glazes. Emphasis is on hand building with students exploring various methods such as modeling, slab building and coil construction. An introduction to wheel throwing will also be included. Students will create both utilitarian ware as well as more sculptural and decorative forms. Student requirements include successful completion of studio assignments, a photographic portfolio and a notebook/sketchbook.

CERAMICS II
Grades 10-12 – .5 Credit
Prerequisite: Ceramics I
Advanced Studio in Ceramics is a continuation of Studio in Ceramics. Students will explore a variety of hand building and wheel techniques used to create ceramic art. In this class students will develop their own ideas within the project guidelines, while increasing the scale and complexity of their pieces. Advanced Studio in Ceramics is an exciting course for the independent crafts person that enjoys the clay medium. Student requirements include successful completion of studio assignments, a photographic portfolio and a notebook/sketchbook.

COMPUTER GRAPHICS I
Grades 10-12 – .5 Credit
This course is designed to teach an understanding of the computer and its use as a tool in the art field. All work is done in the computer lab using the program “Adobe Photo Shop.” Students will learn the basics in creating graphics and manipulating pictures and photographs in this medium. Students will also have the opportunity to create their own original animated cartoons in the program, Adobe Image Ready.

COMPUTER GRAPHICS II
Grades 10-12 – .5 Credit
Prerequisite: Computer Graphics I
This course is designed to build upon the knowledge and experience gained from Studio in Computer Graphics. Students will learn how to create advertisements, logos, magazine layouts, as well as book and CD cover designs.

Grade 9 – 1 Credit
Prerequisite: Studio in Art
Studio in Drawing and Painting is a course which concentrates on the development of two dimensional art forms. Media such as charcoal, pencil, pastel, scratchboard, watercolor, tempera and acrylics will be explored in both black and white and color compositions. Students will demonstrate an understanding of art criticism, art history, aesthetic principles, and show their connections to works of art. A notebook/sketchbook will be required.

ADVANCED DRAWING AND PAINTING
Grades 11-12 – 1 Credit
Prerequisite: Drawing and Painting
This Advanced Drawing and Painting course provides a unique opportunity for those wishing to spend time refining their artistic skills through an intensive program of teaching. This course has been specifically designed for those wishing to gain a deeper understanding of their own practice, while being pushed in new directions, both technically and conceptually. Students wanting to improve their portfolio or enhance their current body of work should strongly consider this course, as students will create two exhibitions over the academic year. Students will be assessed on the completion of the class work with quarterly portfolio review based on New York State Standards.

STUDIO IN PHOTOGRAPHY
Grades 10-12 – .5 Credit
Prerequisite: Studio in Art
This course will introduce students to photographic practices and techniques within a creative studio environment. The primary objective is to provide students with intensive hands-on technical experience with B & W photography while also familiarizing them with the history of photography. The technical challenges of each assignment should be met with maximum creativity as there will be an equal emphasis on the aesthetic dimensions of the work. All assignments will be based upon those theories and concepts presented in Studio in Art. We will be using 35 mm manual cameras. If you wish to use your own 35 mm automatic camera, please make sure you are able to switch it to manual. A notebook/sketchbook will be required.

ADVANCED STUDIO IN PHOTOGRAPHY
Grades 10-12 – .5 Credit
Prerequisite: Studio in Photography
This course is a continuation to photographic practices and techniques within a creative studio environment. Students will explore an introduction to digital photography. The primary objective of the course is to provide students with an advanced hands-on technical experience with B&W photography. Students will also be required to study a photographer of choice. All assignments will have their foundation in theories and concepts presented in Studio in Art. We will be using 35 mm manual cameras. If you wish to use your own 35 mm automatic camera, please make sure you are able to switch it to manual. A notebook/sketchbook will be required.

CERAMICS I
Grades 10-12 – .5 Credit
Prerequisite: Studio in Art recommended
Studio in Ceramics is a comprehensive study of the creative possibilities of clays and glazes. Emphasis is on hand building with students exploring various methods such as modeling, slab building and coil construction. An introduction to wheel throwing will also be included. Students will create both utilitarian ware as well as more sculptural and decorative forms. Student requirements include successful completion of studio assignments, a photographic portfolio and a notebook/sketchbook.

CERAMICS II
Grades 10-12 – .5 Credit
Prerequisite: Ceramics I
Advanced Studio in Ceramics is a continuation of Studio in Ceramics. Students will explore a variety of hand building and wheel techniques used to create ceramic art. In this class students will develop their own ideas within the project guidelines, while increasing the scale and complexity of their pieces. Advanced Studio in Ceramics is an exciting course for the independent crafts person that enjoys the clay medium. Student requirements include successful completion of studio assignments, a photographic portfolio and a notebook/sketchbook.

COMPUTER GRAPHICS I
Grades 10-12 – .5 Credit
This course is designed to teach an understanding of the computer and its use as a tool in the art field. All work is done in the computer lab using the program “Adobe Photo Shop.” Students will learn the basics in creating graphics and manipulating pictures and photographs in this medium. Students will also have the opportunity to create their own original animated cartoons in the program, Adobe Image Ready.

COMPUTER GRAPHICS II
Grades 10-12 – .5 Credit
Prerequisite: Computer Graphics I
This course is designed to build upon the knowledge and experience gained from Studio in Computer Graphics. Students will learn how to create advertisements, logos, magazine layouts, as well as book and CD cover designs.
Students will also have the opportunity to create 3-D images along with 3-D animations. All work is done in the computer lab using Adobe Photo Shop, Adobe Image Ready, Adobe Page Maker, Bryce and Adobe Illustrator. Student requirements include the successful completion of studio assignments in a portfolio.

PORTFOLIO PREPARATION
Grades 11-12 – .5 Credit
Prerequisite: Studio in Art A; Studio in Drawing and Painting; and a signed teacher recommendation
This course is intended for the serious art student who plans on continuing with Art post High School, has successfully completed the required prerequisites, and intends to submit a portfolio for acceptance into an art school or university. The course work is intensive and requires commitment during class and beyond the school day. The course will assist with the creation of art, preparing your written commentary (defining your artist’s concentration) and photographs of work for presentation and review, and, if applicable, the college home exam.

*AP ART HISTORY
Grades 10-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
This course is designed for those who love to study art. We will conduct a thorough but rapid survey of art history from Paleolithic times to the present. Students will participate in slide presentations, art reviews, and other appropriate and creative responses. Students will take the AP Examination in May.

*AP STUDIO ART: 2-D / 3-D / DRAWING
Grades 11-12 – 1 Credit
FEE ASSOCIATED WITH COURSE
Prerequisite: Studio in Art, Drawing and Painting, Advanced Drawing and Painting. Additional Art electives beneficial
The AP Studio Art/Drawing Portfolio course encourages creative and systematic investigation of formal and conceptual issues. The course places an emphasis on making art as an ongoing process that involves the student in informed and critical decision making. The course will help students develop technical skills and familiarize them with the functions of the visual elements. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios – 2-D Design, 3-D Design and Drawing – corresponding to the most common college foundation courses.

FILM AND TELEVISION PRODUCTION I
Grades 9-12 – 1 Credit
This course is designed to Introduce students to broadcasting and video production through an art theory-based, hands-on approach. Topics include the fundamental technical aspects of the digital video camera, composition, media literacy, aesthetic elements and techniques, editing with Final CutPro, studio roles and responsibilities and broadcast news. Projects include public service announcements, television advertising and short films. Students also have the opportunity to work in the TV Studio to produce a variety of programming.

FILM AND TELEVISION PRODUCTION II
Grades 10-12 – 1 Credit
Prerequisite: Film and Television production I
This course is designed to introduce students to the jobs/skills specifically related to the operation of a television studio. The course is a hands-on class designed to promote interest and training into all that goes on in a television studio. It will help students gain a better understanding of what it takes to put together a full broadcast from pre-production to airtime. Students will have the opportunity to experience all aspects of the production process. Interested students may have the opportunity to work in the TV Studio in collaboration with Sharknet production.

VIDEO BROADCASTING (TV STUDIO)
Grades 11-12 – 1 Credit
Have you ever wanted to be a TV news announcer? Or wondered what it’s like to work backstage for a television news show? This class takes you there. You will be responsible for shooting and airing the morning broadcasts for our school. You will learn to make subject selections, write copy, utilize video recording equipment, shoot live action and studio clips and edit footage.

CONTEMPORARY CREATIVE CRAFTS
Grade 9-12 – .5 Credit
This course involves students in a wide range of two-and-three dimensional media. The study of elements of art and the principles of design form the basis of the course through the application in a number of projects utilizing craft materials. Fabric art, basketry, copper tooling, mask making, bookbinding, mosaics, and glass fusing are among the media which will be explored. Students will gain an appreciation and understanding of crafts as an area of art. Requirements include completion of studio assignments, a photographic portfolio, and a note/sketch book.

CARTOON ILLUSTRATION AND ANIMATION
Grades 10-12 – 1 Credit
This full-year course is designed to introduce the formal building blocks of character design and development in cartooning. Basic concepts in figure drawing, proportion, and depth will also be covered. Topics will include the different stages of page preparation; thumbnail sketches; page layout; penciling, and inking. Students will also learn techniques in rendering full color with the use of various mediums as well. Lettering, tile design, basic perspective and narrative structural approaches in story-telling will also be discussed.
Business, FACS, and Technology Course Offerings

- Money & the Young Adult
- Entrepreneurship
- Business Law
- Sports & Entertainment Mkt.
- *Accounting I H
**High School Business, FACS, and Technology Courses**

**BASIC MICROSOFT OFFICE OPERATIONS**  
*Grade 9-12 – .5 Credit*  
This course offers basic instruction to some of the most powerful software packages currently used in businesses and for personal use. Students will not only integrate word processing, spreadsheets, publishing, and Internet research methods into their coursework, but will learn vital skills necessary to be successful in today’s competitive world.

**BUSINESS LAW**  
*Grades 10-12 – 1 Credit*  
This course emphasizes the relationship of Business Law to an individual’s personal and occupational life. Topics covered include rights and obligations, insurance, consumer law, use of credit, buying and selling products, employment law, and real property law.

**SPORTS ENTERTAINMENT AND MARKETING**  
*Grades 10-12 – 1 credit*  
This course is designed to provide an insight and analysis of executive level decision-making in sports and entertainment marketing. Case studies and news media will be used to position the student in this role. Topics will include the sports industry, athletes making economic choices, professional sport trades, supply and demand in sports, as well as sport promotion.

**ENTREPRENEURSHIP**  
*Grades 10-12 – .5 Credit*  
This course is a specialized business course designed to provide students with the skills needed to effectively organize, develop, create and manage their own business. Emphasis is placed on the functions of marketing: distribution, financing, marketing-information management, pricing, product/service management, promotion and selling. Additional topics to be discussed are assessment of personal skills, free enterprise, human relations and interpersonal skills: the importance of business ethics and the role quality and service play in business.

**MONEY AND THE YOUNG ADULT**  
*Grades 11-12 – .5 Credit*  
Albert Einstein once said, “Compound interest is the eighth wonder of the world.” Learn why and more ways to increase your personal wealth. This course is designed to provide students with the fundamentals skills of sound money management and the basic concepts of financial planning; life-long skills with real-world application. Topics include goal setting and planning, choosing a career, banking, credit and credit cards, investments, insurance, and retirement to name a few.

**ACCOUNTING I Honors**  
*Grades 10-12 – 1 Credit*  
**FEE ASSOCIATED WITH COURSE**  
This course may be taken for either elective credit or math credit.  
This full year course is for students who desire beginning preparation for accounting careers and students who look forward to careers in related business fields. Students will learn accounting terminology, principles and procedures as they relate to a sole proprietorship including the financial accounting cycle and payroll cycles. The study of accounting will prepare students for entry level college accounting classes and further study, personal financial responsibilities and future business career opportunities.
STEM COURSE OFFERINGS
(Suggested Flow)

INTRODUCTION TO PYTHON

WEB DESIGN DEVELOPMENT AND DIGITAL PORTFOLIO

INTRODUCTION TO ROBOTICS

PYTHON II

GAME DEVELOPMENT

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (2020-2021)
High School STEM Courses

**WEB DESIGN DEVELOPMENT AND DIGITAL PORTFOLIO**
Grades 9-12 – .5 Credit
**Prerequisite: Algebra I**
Half-year class designed to teach the fundamentals of Web page design and development. Students will learn Web development techniques using HTML & CSS. The course will cover topics such as basic HTML, working with templates, using tables, working with various types of images and formatting. The course will culminate in students creating and publishing their own Digital Portfolios to use for College applications. Students will continue to participate in daily expressive and receptive activities.

**INTRODUCTION TO PYTHON**
Grades 9-12 – .5 Credit
**Prerequisite: Algebra I**
Python is a general-purpose high-level programming language that is used in many different fields for a variety of applications. Its syntax is easy to learn and understand, which makes it an excellent language for beginner programmers. This course will introduce students to the Python programming language and help you to write your first programs using print statements, variables, input, loops, condition statements and functions.

**GAME DEVELOPMENT**
Grades 9-12 – .5 Credit
**Prerequisite: Algebra I**
Students will progress through a creative journey using multiple programming languages to explore the process involved in developing engaging games. From storyboards to final games, this course will have students learning to code and create right from the start. This course is designed for varied skill level students.

**PYTHON II**
Grades 9-12 – .5 Credit
**Prerequisite: Algebra I and Introduction to Python**
This course will introduce students to the Processing library to create graphic based games. It will cover dictionaries, 2 dimensional lists, as well as project-based skills like creating clickable objects in Python.

**INTRODUCTION TO ROBOTICS**
Grade 9-12 – .5 Credit
**Prerequisite: Algebra I**
Introduction to Robotics is a course that will provide students the opportunity to learn about engineering and engineering problem solving. They will be given introductions to the VEX Robotics Design System and Autodesk® Inventor® while learning key STEM principles through a process that captures the excitement and engagement of robotics competition. The curriculum is heavily focused on mechatronic principles; as such, programming is NOT required.

**AP COMPUTER SCIENCE PRINCIPLES**
Grades 10, 11, 12
**FEE ASSOCIATED WITH COURSE**
**Prerequisite: Algebra I and Web design development and Digital portfolio**
This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. The topics in this course will include the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. College credit may be obtained by scoring well on the Advanced Placement Examination.
MUSIC COURSE OFFERINGS

Mixed Chorus

Symphonic Band

*Concert Choir

*Wind Ensemble

Orchestra

Music Theory

*AP Music Theory 2020-2021

*College credit / cost incurred
**High School Music Courses**

Performances are required in all ensemble classes. Students enrolled in all performing ensembles are required to attend small group lessons which will be included in the students’ grade each quarter. Students in performing ensembles are encouraged to enter solo and small ensemble festivals such as New York State School Music Association (NYSSMA) and accept nominations for participation in Suffolk County Music Educators Association (SCMEA) and the Hampton Music Educators Association (HMEA) as well as other events.

**MIXED CHORUS**
Grades 9-12 – 1 Credit
**Prerequisite: Choral experience or approval of the director.**
The chorus is comprised of mixed range (higher and lower register) voices. The choir will perform SAB (Soprano, Alto, and Baritone) music and/or SATB (Soprano, Alto, Tenor and Bass) music. The course is designed to offer a study of music in different styles from various time periods. There is an emphasis on sight-reading using solfege and Kodaly hand signs. Rehearsals are held daily with at least two mandatory performances a year. *Attendance at weekly lessons is required.* Grades are based on participation, knowledge of the music studied and weekly small group lessons.

**SYMPHONIC BAND**
Grades 9-12 – 1 Credit
**Prerequisite: Instrumental Experience or Approval of the Director**
This course is designed to examine a variety of styles of music by composers, both classical and contemporary, with an emphasis on performance. The main objectives of the ESM Band program are to provide students with an incentive to learn more about music literature as well as developing greater technical facility through the art of performance. The musicians will be challenged through an enriched repertoire. Rehearsals are held daily with at least two concerts per year and five marching band field shows. Grades are based on participation and knowledge of music studied and weekly small group lessons. *Attendance at weekly lessons is required.* Marching Band participation is a required element of this course.

**MUSIC THEORY**
Grades 9-12 – 1 Credit
This course is designed for all students with or without prior musical experience. It is designed to introduce beginning aspects of music including clefs, scales, chords, key signatures, melody, harmony, ear training, and aural perception. Grading is based on participation and knowledge of content.

**AP MUSIC THEORY**
Grades 10-12 – 1 Credit
**FEE ASSOCIATED WITH COURSE**
**Prerequisite: 90+ Final Average in Music Theory.**
This course is a continuing study of the concepts, and curriculum learned in Music Theory. Grading is based on participation and knowledge of content. Students take the AP Examination in May. *(This course will be offered in 2020-2021)*

**CONCERT CHOIR Honors**
Grades 9-12 – 1 Credit
**Prerequisite: Students are selected for this advanced choral ensemble by audition of a Level V or higher NYSSMA solo or equivalent.**
The Concert Choir is a group of serious musicians who are committed to excellence in vocal performance. The Concert Choir is a touring and competing ensemble. This course is designed to offer an in-depth study of music in different styles from various time periods. All members of this advanced ensemble must be proficient on their instruments and have a current V - A or VI - B+ NYSSMA score, or equivalent, to be selected for the following year. There is an emphasis on sight-reading using solfege and Kodaly hand signs. Rehearsals are held daily with at least four mandatory performances per year. Grades are based on participation and knowledge of music studied and weekly small group lessons.

**WIND ENSEMBLE Honors**
Grades 9-12 – 1 Credit
**Prerequisite: Students are selected for this advanced choral ensemble by audition of a Level V or higher NYSSMA solo or equivalent.**
Music performed in these honors ensembles will be level V and VI difficulty, which is the highest. The Wind Ensemble is a touring and competing ensemble. All members of this advanced ensemble must be proficient on their instruments and have a current V - A or VI - B+ NYSSMA score, or equivalent, to be selected for the following year. Students are required to attend all scheduled performances, small group instruction, rehearsals, and a NYSSMA solo. Grades are based on participation, knowledge of music studied and weekly small group lessons. Marching Band participation is a required element of this course.

**Orchestra**
Grades 9-12 – 1 Credit
**Prerequisite: Instrumental Experience or Approval of the Director**
This course is designed to examine a variety of styles of music by composers, both classical and contemporary, with an emphasis on performance. The main objective of the ESM orchestra program is to provide students with an incentive to learn more about music literature and develop greater technical facility through the art of performance. Rehearsals are held daily with at least two performances a year. Attendance at weekly lessons is also required. Grades are based on participation and knowledge of music studied and weekly small group lessons. *Orchestra Honors is available to students with approval of the director.*
*College credit / cost incurred
High School Theatre Arts Courses

Stage Craft I
Grades 9-12 – 1 Credit
This course offers students experience in basic set design and basic set construction as well as stage safety. Students learn to design and build large scale structures. This course includes fundamentals of stage scenery and props, as well as an overview of basic lighting and sound. Students will learn and have hands on experience with basic set building skills. This course may be used to satisfy the one credit art requirement towards graduation.

*Stage Craft II Honors
LIU THE 119
Grades 10-12 – 1 Credit
Prerequisite: Stagecraft I
FEE ASSOCIATED WITH COURSE
This course offers students more in-depth experience in set design, construction and management. Students will continue to expand their knowledge and understanding of the workings of a stage prior to, during and after a variety of performances including plays, musical theatre, concerts, and festivals. Students will become involved in the lighting and sound aspects of these various types of performances. Students will gain experience with more advanced tools and equipment, their safe operation and their application to specific construction, audio lighting and electrical needs. Stage, equipment and tool safety will be stressed.

*Stage Craft III Honors
LIU THE 120
Grades 11-12 – 1 Credit
Prerequisite: Stagecraft II
FEE ASSOCIATED WITH COURSE
This course is for students interested in college portfolio assessment. Students may specialize in one or more of the following areas: set design, costume design, lighting design and sound design. The design/technical theater program will also offers an exposure to the use of computers as design tools. Students interested in any of these technical aspects of theater may focus experience credits in the areas of scenery, properties, costumes, lights, or sound.

Theatre Arts I
Grades 9-12 – 1 Credit
This course is designed for students interested in the performing arts. From off stage, to on stage, Theatre Arts I is an introductory course in basic acting and stagecraft, as well as an overview of theatre literature and theatre history. The course offers students experience in various phases of dramatics, including oral interpretation, basic acting, and the basic elements of play production. This course may be used to satisfy the one credit art requirement towards graduation.

Theatre Arts II
Grades 10-12 – 1 Credit
Prerequisite: Theatre Arts I or approval of the Instructor
The Theatre Arts II student will now begin to put into practice the skills he/she learned in Theatre Arts I. In addition to polishing techniques, more challenging improvisations, monologues, scenes and performance pieces will be worked on. Students will explore theatre not only as actors, but also as directors and will be encouraged and guided to create and evaluate original theatre pieces. A final “workshop” performance presented to a select audience is the goal for this course.

*Theatre Arts III Honors (Repertory)
LIU THE 1
Grades 11-12 – 1 Credit
Prerequisite: Theatre Arts I and II or approval of the Instructor
FEE ASSOCIATED WITH COURSE
This course is recommended for students who wish to continue and get a three-year sequence in performance study. Students in this course will apply what they have learned in Theatre Arts I and II. Students will continue to expand their knowledge and understanding of the theatre and work with a variety of different styles and mediums of performance, such as plays, musical theatre, TV and film. They will learn to create original material from their own personal experiences as well as from social issues of the day. They will perform for a variety of audiences, in different venues throughout the year.

Senior Theatre
Grade 12 – 1 Credit
Prerequisite: Theatre Arts I and II and III or approval of the instructor
This course is recommended for seniors preparing for university/college and or conservatory Theatre Arts programs. The class will offer seniors the Method and Meisner techniques, as well as other great acting styles of the masters. Students will develop monologue preparations for college auditions and any performance scholarships. In addition, students with the guidance of the instructor, will choose, cast, direct, perform, design, and in some cases write one-act plays. Every aspect of a theatrical production from auditions to set, lighting, and sound design will be practiced in this course. Students will attain the levels of understanding, skills and experience needed to appreciate and pursue theatrical production and performance beyond high school. All of the plays produced by the students in this class will be performed for the public.

Choreography and Staged Combat
Grades 10-12 – .5 Credit
Prerequisite: Stagecraft I or Theatre Arts I
This course introduces and explores the importance of choreography and the portrayal of combat on stage. Students will explore previously written scenes, and develop their own, with an emphasis on safety, technique, and aesthetics. Other aspects include the development of strength and flexibility, eye/hand coordination, understanding and applications of principles of safety in working with a partner, and learning how to advance your character journey and develop ensemble work through each individual move.
Health / Physical Education Course Offerings

- High School Physical Education+
- Health +
- Adventure Education I+

*These classes meet every other day for a full year*
**High School Physical Education & Health Courses**

**HS Physical Education**
Grade 9-12 – .5 Credit
Physical Education is required for all students. The aim of the Physical Education department is to provide the opportunity for each student to develop physically, intellectually, emotionally and socially according to his or her needs, interests, objectives and capacities through the many facets of learning offered through physical activity. This program includes progression in all phases of exercises, games, individual and team sports as well as lifetime activities. The following activities sample our offerings: Aerobics, Racquetball, Badminton, Soccer, Basketball, Softball, Body Sculpting, Tennis, Handball, Track and Field, Flag Football, Volleyball, Yoga, and Indoor Soccer.

**Adventure Education I**
Grade 11-12 – .5 Credit
This course is designed to explore non-competitive games, trust building exercises, group initiatives and problem-solving activities. The students will develop the necessary skills needed to complete the low and high ropes course. These are the principle activities used to help individuals improve self-esteem, develop strategies to enhance decision-making, learn to respect differences within a group, and increase their agility and physical coordination. A journal is a requirement of this course.

**Health**
Grades 9-12 – .5 Credit
The Health course is required for high school students. A general overview of health-related areas will be covered. Topics to be covered will include: mental health, alcohol, tobacco, drug education, first-aid, family life, infectious disease and human sexuality. These topics will be presented from many perspectives including outside speakers from different health agencies, films, texts and supplementary materials.
High School Career and Technical Education

Students entering grades 11 and 12 may want to consider a one or two-year program of occupational education designed to provide the student with superior entry-level skills for employment in business or industry. **Students must have a minimum of an 80 overall GPA, 10 high school credits and approval from the HS principal to attend EASTERN L.I. ACADEMY OF APPLIED TECHNOLOGY.** In order to obtain an optimal academic program of study, all students will attend EASTERN L.I. ACADEMY OF APPLIED TECHNOLOGY in the afternoon session. Students are scheduled for classes at the high school during periods 1-5 and EASTERN L.I. ACADEMY OF APPLIED TECHNOLOGY 6-9. Depending on the location of the EASTERN L.I. ACADEMY OF APPLIED TECHNOLOGY facility, the students return to the high school will vary. Transportation home is provided by the late bus. Successful completion of the 40 weeks of instruction results in four credits being awarded each school year. If a student’s attendance reaches six (6) absences before the last Friday in October, the student may be dropped from the program. Students who do not receive credit due to failure of the course or lack of attendance will not be eligible to attend EASTERN L.I. ACADEMY OF APPLIED TECHNOLOGY the following year. The following programs are offered at the indicated location:

**WTC – H.B Ward Technical and Academic Center:** 970 North Griffing Avenue, Riverhead, NY 11901  
**MTC – Edward J. Milliken Technical Center:** 375 Locust Avenue, Oakdale, NY 11769  
**BTC – Bixhorn Technical Center:** 350 Martha Avenue, Bellport, NY 11713

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<thead>
<tr>
<th>Program</th>
<th>Location</th>
<th>Duration of Program</th>
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<tbody>
<tr>
<td>Animal Science</td>
<td>BTC; WTC</td>
<td>One or Two Year Course</td>
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<tr>
<td>Audio Production</td>
<td>WTC; MTC</td>
<td>One or Two Year Course</td>
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<tr>
<td>Auto Body Repair &amp; Car Customizing</td>
<td>WTC; MTC</td>
<td>Two Year Course</td>
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<tr>
<td>Automotive Technology</td>
<td>WTC; MTC</td>
<td>Two Year Course</td>
</tr>
<tr>
<td>Aviation / Professional Pilot Training</td>
<td>BTC</td>
<td>One Year Course + Second Year Option</td>
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<tr>
<td>Barbering</td>
<td>BTC</td>
<td>One Year Course</td>
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<tr>
<td>Carpentry / Residential Construction &amp; Home Improvement</td>
<td>BTC</td>
<td>Two Year Course</td>
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<tr>
<td>Clinical Medical Assisting</td>
<td>WTC; MTC</td>
<td>One Year Course</td>
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<tr>
<td>Computer Technology &amp; Repair</td>
<td>BTC</td>
<td>One or Two Year Course</td>
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<tr>
<td>Cosmetology</td>
<td>WTC; MTC</td>
<td>Two Year Course</td>
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<tr>
<td>Culinary Arts / Restaurant Operations</td>
<td>WTC; MTC</td>
<td>Two Year Course</td>
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<tr>
<td>Management</td>
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<tr>
<td>Dental Chairside Assisting</td>
<td>BTC</td>
<td>One Year Course</td>
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<tr>
<td>Early Childhood Education</td>
<td>WTC; MTC</td>
<td>One or Two Year Course</td>
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<tr>
<td>Electrical Trade &amp; Alternative Energy</td>
<td>BTC</td>
<td>Two Year Course</td>
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<tr>
<td>Engineering</td>
<td>BTC</td>
<td>One or Two Year Course</td>
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<tr>
<td>Fashion Merchandise &amp; Design</td>
<td>BTC</td>
<td>One of Two Year Course</td>
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<tr>
<td>Heating Ventilation and Air Conditioning (HVAC)</td>
<td>MTC, WTC</td>
<td>One or Two Year Course</td>
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<tr>
<td>Marine / Motorsports Technology</td>
<td>BTC</td>
<td>One or Two Year Course</td>
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<tr>
<td>Nurse Assisting</td>
<td>WTC; MTC</td>
<td>One Year Course</td>
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<tr>
<td>Pharmacy Technician</td>
<td>BTC</td>
<td>One Year Course (SENIORS ONLY)</td>
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<tr>
<td>Plumbing &amp; Heating</td>
<td>BTC</td>
<td>One or Two Year Course</td>
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<tr>
<td>Practical Nursing</td>
<td>BTC</td>
<td>17 Month Course (SENIORS ONLY)</td>
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<tr>
<td>Regional STEM High School</td>
<td>BTC</td>
<td>One or Two Year Course</td>
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<tr>
<td>Welding / Metal Fabrication</td>
<td>MTC</td>
<td>One or Two Year Course</td>
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<td>GIRLS</td>
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<td><strong>FALL SPORTS</strong></td>
<td>Junior Varsity Cheerleading</td>
<td>Junior Varsity Soccer</td>
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<td>Varsity Cheerleading</td>
<td>Varsity Soccer</td>
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<td>Junior Varsity Tennis</td>
<td>Junior Varsity Volleyball</td>
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<td>Varsity Tennis</td>
<td>Varsity Volleyball</td>
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<td>Junior Varsity Soccer</td>
<td>Junior Varsity Cross-Country</td>
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<td>Varsity Soccer</td>
<td>Junior Varsity Football</td>
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<td>Varsity Cross-Country</td>
<td>Junior Varsity Golf</td>
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<td>Junior Varsity Volleyball</td>
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<td>Varsity Volleyball</td>
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<td>Junior Varsity Field Hockey</td>
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<td>Varsity Field Hockey</td>
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<td></td>
<td>Varsity Gymnastics</td>
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<td><strong>WINTER SPORTS</strong></td>
<td>Varsity Winter Track</td>
<td>Varsity Winter Track</td>
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<td>Junior Varsity Basketball</td>
<td>Junior Varsity Wrestling</td>
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<td>Varsity Basketball</td>
<td>Varsity Wrestling</td>
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<td>Junior Varsity Cheerleading</td>
<td>Junior Varsity Basketball</td>
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<td>Varsity Cheerleading</td>
<td>Varsity Basketball</td>
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<td>Varsity Bowling</td>
<td>Varsity Bowling</td>
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<tr>
<td><strong>SPRING SPORTS</strong></td>
<td>Junior Varsity Softball</td>
<td>Junior Varsity Baseball</td>
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<td>Varsity Softball</td>
<td>Varsity Baseball</td>
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<td>Junior Varsity Lacrosse</td>
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NCAA Freshman Eligibility Standards
Quick Reference Sheet

CORE COURSES
- NCAA Division I and II require 16 core courses
- NCAA Division I will require 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, math, or natural or physical science that meet the distribution requirements below). These 10 courses become “locked in” at the seventh semester and cannot be taken for grade improvement.
  - It will be possible for a Division I college-bound student athlete to still receive athletic aid and the ability to practice with the team if he or she fails to meet the 10 course requirement; however, they will NOT be able to compete.

TEST SCORES
- Division I uses a sliding scale to match test scores and core grade point averages (GPA). The sliding scale for those requirements can be found by clicking HERE.
- Division II requires a minimum SAT score of 820 or an ACT sum score of 68. Beginning August 1, 2018, Division II will use a sliding scale to match test scores and core-course GPA. The sliding scale can be found by clicking HERE (see page 4 of linked document).
- The SAT score used for NCAA purposes includes only the critical reading and math section. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading, and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure that all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores appear on transcripts will not be used.

GRADE POINT AVERAGE
- Be sure to look at your high school’s list of NCAA courses on the NCAA Eligibility Center’s website by clicking HERE. Only courses that appear on your school’s list of NCAA courses will be used in the calculation of the core GPA. Use the list as your guide.
- Division I students enrolling full time before August 1, 2016 should use Sliding Scale A to determine eligibility to receive athletics aid, practice, and competition during the first year.
- Division I GPA required to receive athletics aid and practice on or after August 1, 2016, is 2.000 – 2.299 (corresponding test-score requirements are listed on Sliding Scale B).
- Division I GPA required to be eligible for competition on or after August 1, 2016 is 2.300 (corresponding test score requirements are listed on Sliding Scale B).
- The Division II core GPA requirement is a minimum of 2.000. On or after August 1, 2018, the core GPA required to be eligible for competition is 2.200 (corresponding test-score requirements are listed on the NCAA website by clicking HERE).
- Remember, the NCAA GPA is calculated using NCAA core courses only.

<table>
<thead>
<tr>
<th>DIVISION I</th>
<th>DIVISION II</th>
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<tbody>
<tr>
<td>16 Core Courses</td>
<td>16 Core Courses</td>
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<tr>
<td>4 years of English</td>
<td>3 years of English</td>
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<tr>
<td>3 years of math (Algebra or higher)</td>
<td>2 years of math (Algebra or higher)</td>
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<tr>
<td>2 years of natural/physical science (1 year of lab if offered)</td>
<td>2 years of natural/physical science (1 year of lab if offered)</td>
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<tr>
<td>1 year of additional English, math, or natural/physical science</td>
<td>3 years of additional English, math, or natural/physical science</td>
</tr>
<tr>
<td>2 years of social science</td>
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<td>4 years of additional courses (from any area above, foreign language, or comparative religion/philosophy)</td>
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**Driver Education**

Driver Education is offered at the school by an outside company. There is a fee for this course. Since this is an after school fee-paid program, no school credit is given. In order to participate in the program, students must be 16 years old and have their learner’s permit for 2 (two) months. Upon completion of the course, students are issued a New York State Motor Vehicle Certificate of Completion. If you have any questions please contact the physical education department at 801-3310.

**Special Education Program**

A continuum of services is available to enable students with disabilities to meet success in the requirements of the New York State standards. This is accomplished through specially designed instruction based upon individual needs identified by the district Committee on Special Education (CSE). Consideration of academic, social, management and physical needs form the basis for the type and duration of services that result from assessment and recommendation by the CSE. Questions, referrals and additional information may be obtained by contacting the Special Education Office at 801-3040.