

PROGRAM OF STUDIES



VERNON TOWNSHIP HIGH SCHOOL

2019-2020

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INTRODUCTION

The staff at Vernon Township High School strives to provide an educational environment that provides learning experiences, which enable each student to reach his or her potential. It is our belief that academic excellence is within the reach of all students. Of equal importance is our concern for each student's personal growth and social responsibility. We are committed to providing a positive environment in which staff, students, parents and the community at large can work together to encourage decision-making, problem solving and a spirit of service to our neighbors. This collaboration fosters learning and promotes the highest level of student and staff performance. Through the integration of technology, the district seeks to enhance the delivery of instruction and prepare students and staff to compete successfully in an ever-changing world. The program of studies has been developed to provide you and your parents with valuable information regarding graduation requirements, curriculum, course descriptions, and suggestions for developing a four-year program based on your future goals and interests. It is recommended that you take advantage of the many and varied course offerings and activities available to you at Vernon Township High School.

It is extremely important that you treat the development of your program for next year with care. Please understand that the high school master schedule is developed based on your course requests at the time of scheduling. The schedule is built on the assumption that your requests have been made after discussions with your parents, teachers, and counselor. The integrity of your requests has implications for staffing, books, supplies, and room assignments. We make every effort to honor those requests. Therefore, upon completion of the open portal scheduling process your schedule will be locked. **Requests for the personalization of schedules based on teacher, class, period, or friend preferences will not be honored.** Requests for level changes may be considered through the first marking period as a result of a parent/teacher/student/counselor/ department supervisor conference. Please make every effort to make your course selections with these thoughts in mind.

21st CENTURY LEARNING EXPECTATIONS

Responsible Citizens observe policies and expectations for behavior. They are able to work cooperatively, collaboratively, and independently as appropriate to a learning task. They take steps to achieve personal, academic, and career goals. They are able to make informed decisions concerning health, diet, and exercise in order to maintain a healthy lifestyle. They participate in their school and community in order to understand and preserve our democratic process, our culture, and our environment. They consider other points of view in order to make ethical decisions and to live productively in a diverse society.

Critical Thinkers and Problem Solvers read, comprehend, synthesize, and reflect on content area materials and scholarly resources. They have organizational and study skills with which to accomplish their work. They collect and evaluate data to identify patterns, make inferences, and draw conclusions. They manipulate, combine, and apply formulae. They predict reasonable results using estimation and conceptual knowledge. They develop and test hypotheses, drawing conclusions from experiments, data, and research. They discuss, analyze, and evaluate in light of historical precedent, current events, and civic responsibilities. They observe, analyze, and present ideas, feelings, and beliefs about cultures and societies.

Researchers work with a variety of print resources and technological applications to increase learning. Researchers are able to identify and apply technology to an academic task. They use technology responsibly to obtain, organize, and communicate information and to solve problems. They are able to evaluate the accuracy, usefulness, and appropriateness of information resources

Effective Communicators are able to read, write, and speak English as well as listen to understand, and communicate in another language. They participate in discussions by listening, asking questions, and responding. They design and compose work for a variety of audiences and purposes. They use the vocabulary and symbolic language specific to

content areas such as math and music. They use a repertoire of skills and techniques to create and interpret works in a variety of media such as the fine and performing arts, as well as film and other forms of communication.

REQUIREMENTS FOR HIGH SCHOOL GRADUATION

Graduation requirements are outlined on the following chart and are subject to change pending policy review by the State Department of Education. Students will need to demonstrate proficiency in the New Jersey Core Curriculum Content Standards.

- Students must meet or exceed Vernon Township High School attendance requirements.
- Satisfactorily complete a minimum number of credits as indicated below (any increase subject to BOE approval).
- Satisfactorily complete the following course requirements as mandated by the state/district.

Graduation Requirements:

| Years Required | Course Description | Credits Needed |
|----------------|---|---------------------|
| 4 Years | Physical Education/Health | 20 Credits |
| 4 Years | English | 20 Credits |
| 3 Years | Mathematics (includes Algebra I, Geometry & a course that builds on these first two years) | 15 Credits |
| 3 Years | Social Studies (includes US I, II and World History) | 15 Credits |
| 3 Years | Science (includes Biology, Life Science or content equiv.) | 15 Credits |
| 1 Year | World Language | 5 Credits |
| 1 Year | Visual/Performing Arts | 5 Credits |
| 1 Year | Practical Arts | 5 Credits |
| ½ Year | Financial, Economic, Business, & Entrepreneurial Literacy | 2.5 Credits |
| | Additional Credits in Academic/Elective | 32.5 Credits |
| | Minimum Credits Class of 2020 | 135 Credits |
| | Minimum Credits Class of 2021 | 140 Credits |
| | Minimum Credits Class of 2022 | 140 Credits |
| | Minimum Credits Class of 2023 | 140 Credits |

Most lab classes meet six times per week and are valued at six credits. Most subject classes meet five times per week for a full year and are valued at five credits. Semester classes meet five times per week for a half-year and are valued at 2.5 credits.

ATHLETIC ELIGIBILITY

The NJSIAA establishes the criteria for student/athlete academic eligibility for participation in any athletic program at the high school level. All students who wish to participate in interscholastic athletic programs must have passed 30 credits at the conclusion of the academic year (including summer school) in order to be eligible for fall and winter sports seasons. Each student must be passing 30 or equivalent (6 courses) by the end of the first semester (1st two marking periods) in order to be eligible for the spring season. Any student/athlete who needs clarification of academic eligibility or his/her academic status should see their counselor PRIOR TO signing up for a sport.

GRADE REPORTING

Quarterly grades will be posted on the Parent Portal at the conclusion of each marking period. Students and parents may check grades in progress using the Genesis Parent Portal on the web. When doing so, please note that grades in progress may only reflect an average of the grades that have been RECORDED as of that date and time. Only final averages will appear on a student’s high school transcript.

INSTRUCTIONAL LEVELS

Meeting the instructional needs of students is a major goal of a comprehensive high school. Realizing that we serve students with varying abilities, our instructional program incorporates several different levels designed to meet the objectives

indicated below. Students are encouraged to participate in courses that are compatible with their interests, ambition, and motivation.

| | |
|-----------------------------|---|
| Honors, SUPA & AP | Requires the highest degree of personal motivation and academic commitment. Course content is rigorous and demands are extensive. A summer project is required which is due on the first day of class and graded as a major test. |
| ACP (Advanced College Prep) | For the committed student seeking comprehensive academic preparation for a highly competitive higher education. |
| CP (College Prep) | For the student seeking comprehensive academic preparation for higher education. |
| Special Services | Instruction is designed to accommodate student IEPs and to prepare students for independent lives with the ability to function beyond high school. Enrollment is restricted. |

GRADE POINT AVERAGE AND CLASS RANK

A student's Grade Point Average (GPA) is calculated by:

- Multiplying the earned grade in a course by one of the following four multipliers:
 - Unweighted Courses 1.00
 - ACP Courses 1.02
 - Honors 1.06
 - AP/SUPA 1.09
- Multiplying the enhanced grade in each course by the number of credits of the course,
- Adding the totals of all courses, and
- Dividing the final total by the number of credits attempted.

The class rank is then calculated by arranging the individual grade point averages of all students in each grade level from highest to lowest. Numerical average and class rank are calculated prior to the start of each year.

ONLINE COURSE OPTIONS

Vernon Township High School in collaboration with several ONLINE providers offers students the opportunity to take courses for credit recovery, replacement courses and/or acceleration of their program, if appropriate. A student's ability to take an online course requires administrative approval. Without such approval, no online course will be recognized for credit. All costs associated with taking ONLINE courses are the responsibility of the student and parent. The student's counselor can serve as a liaison between the student and the ONLINE provider. Questions regarding ONLINE courses should be directed to the School Counseling Office.

CTE TRACK PROGRAMS

We have partnered with several accredited colleges & universities and are proud to offer our students several CTE Programs (Career and Technical Education). We offer 9 CTE programs in the following fields: Building Construction Technology, Allied Health Science, Computer Science, Music Production, Cosmetology, Engineering, Hospitality Administration/ Management, Marketing and Graphic Design. CTE Programs strengthen the pipeline to college and careers by effectively engaging the students and providing them with the knowledge, training, academic and technical skills to succeed in the future. Below is a sequence of our current CTE tracks.

- Allied Health: Dynamics → Clinical Care → Anatomy & Physiology
- Construction, Facilities & Maintenance: CFM I → CFM II → CFM III
- Engineering: Intro to Engineering → Principles of Engineering → Civil Engineering
- Cosmetology: Cosmo I → Cosmo II → Cosmo III/IV
- Music Production: Music Production I → Music Production II → Music Business
- Graphic Design: Comp Graphics I → Comp Graphics II → Comp Graphic III OR Ad Design
- Marketing: Intro to Business Management → Marketing I → Marketing II
- Computer Science: Essentials → AP Comp Sci Principles → AP Comp Sci Principles A
- Hospitality: Intro to Bus. Management → Intro to Cul. Arts OR Accounting → Rest/ Hosp. Management

CAREER AND COLLEGE PLANNING

As student(s) and parent(s) plan a high school program, it is important to keep one’s goals in mind. Courses taken in high school most often provide the means to achieving an individual’s goal of entering a two-or four-year college, a career school, military service, or full-time employment. Vernon Township High School guidance counselors are ready sources of information on high school programming and planning for colleges and careers. Serving in an advisory capacity, counselors can be helpful to both students and parents when choices must be made. Through counseling, group meetings, Naviance and other online resources both students and parents can learn about admission requirements, types of training, and future opportunities in a variety of fields.

COLLEGE REQUIREMENTS

FOUR-YEAR COLLEGE

Generally, four year state colleges require a minimum of 16 academic units (several have increased that to 18) at the college prep level or higher for admission. Academic units are course offerings from the English, math, social studies, science and world language departments. Many of the more competitive colleges/universities may require more with additional expectations in math, world language and science.

English..... 4 units

| | |
|---------------------------------|-----------|
| Algebra I and II, Geometry..... | 3-4 units |
| Laboratory Science..... | 3 units |
| US and World History..... | 3-4 units |
| World Languages..... | 2-4 units |
| Academic Related Electives..... | 4 units |

Elective units will vary according to a student’s interests and/or planned career choice. It is important that students and parents consult individual college websites and/or catalogs as well as college guidebooks to determine academic and elective requirements at colleges of interest. Early and continued program planning by students and parents is strongly recommended, as particular elective areas may have course sequences which require up to four years to complete.

Four year colleges are most likely to consider the following factors in order of importance when determining a student’s eligibility for admission.

High School Record - Strength of schedule, grade point average, rank in class

Test Results - Standardized test scores (SAT,ACT)
 - Some colleges require SAT-II subject test(s), often for placement purposes

Recommendations - Letters submitted by teachers, counselors, and others assessing a student’s performance and character

Involvement - Activities outside the classroom often play an important part in developing leadership, maturity, and discipline. Colleges look for consistency and commitment rather than number of activities and memberships.

COMMUNITY COLLEGE – TRANSFER PROGRAMS

New Jersey community colleges generally have an open admission policy. High school graduation or successful completion of a GED program is required for matriculation. All community colleges will require minimum SAT scores or an Accuplacer test to determine readiness for college level courses. Certain programs such as nursing may have additional requirements. Preparation for success at the community college is essentially the same as preparing for the first two years at a four-year institution. College level work is expected.

| | |
|--|-----------|
| English..... | 4 units |
| Math..... | 3-4 units |
| US and World History..... | 3 units |
| Science..... | 3 units |
| Academic/Career Related Electives..... | 2 units |
| Career/Major Related Electives..... | 4 units |
| World Language..... | 1 unit |

TWO-YEAR COLLEGE, CAREER SCHOOL, MILITARY SERVICE, FULL-TIME EMPLOYMENT

Although these programs usually require no more than a high school diploma, students entering such programs should have a solid background in written and spoken English, mathematics, and an understanding in applied science and computer applications. Since the objective of these programs is to train skilled workers, the student with a solid academic background has a better chance of being placed in a lucrative and satisfying job.

TESTING

Throughout the school year, the School Counseling Department sponsors various tests. The PSAT is administered each fall to sophomores and juniors. The ACT, SAT and SAT-II (Subject Tests) are administered in the fall and spring of each year. These tests measure a student’s verbal and mathematical reasoning ability and the ability to apply that knowledge.

The SAT and ACT are used by most four-year colleges as part of their admission/placement process. The Armed Forces Vocational Aptitude Battery (ASVAB) may be administered to interested juniors and seniors to assist them in determining vocational strengths and career alternatives. Juniors and seniors interested in pursuing a military career may also take the ASVAB for placement purposes.

Concurrent Classes Offered Through Vernon Township High School

Seton Hall University

Psychology
Sociology
French IV
French AP
English IV AP
Spanish AP
US History II AP

Syracuse University

Chemistry SUPA
Forensics SUPA
Physics SUPA

Rutgers University

Emergency Clinical Care
Dynamics of Healthcare
Anatomy & Physiology

Fairleigh Dickinson University

Art History AP
Art Major AP
Organic/Biochemistry
Biology AP

Temple University

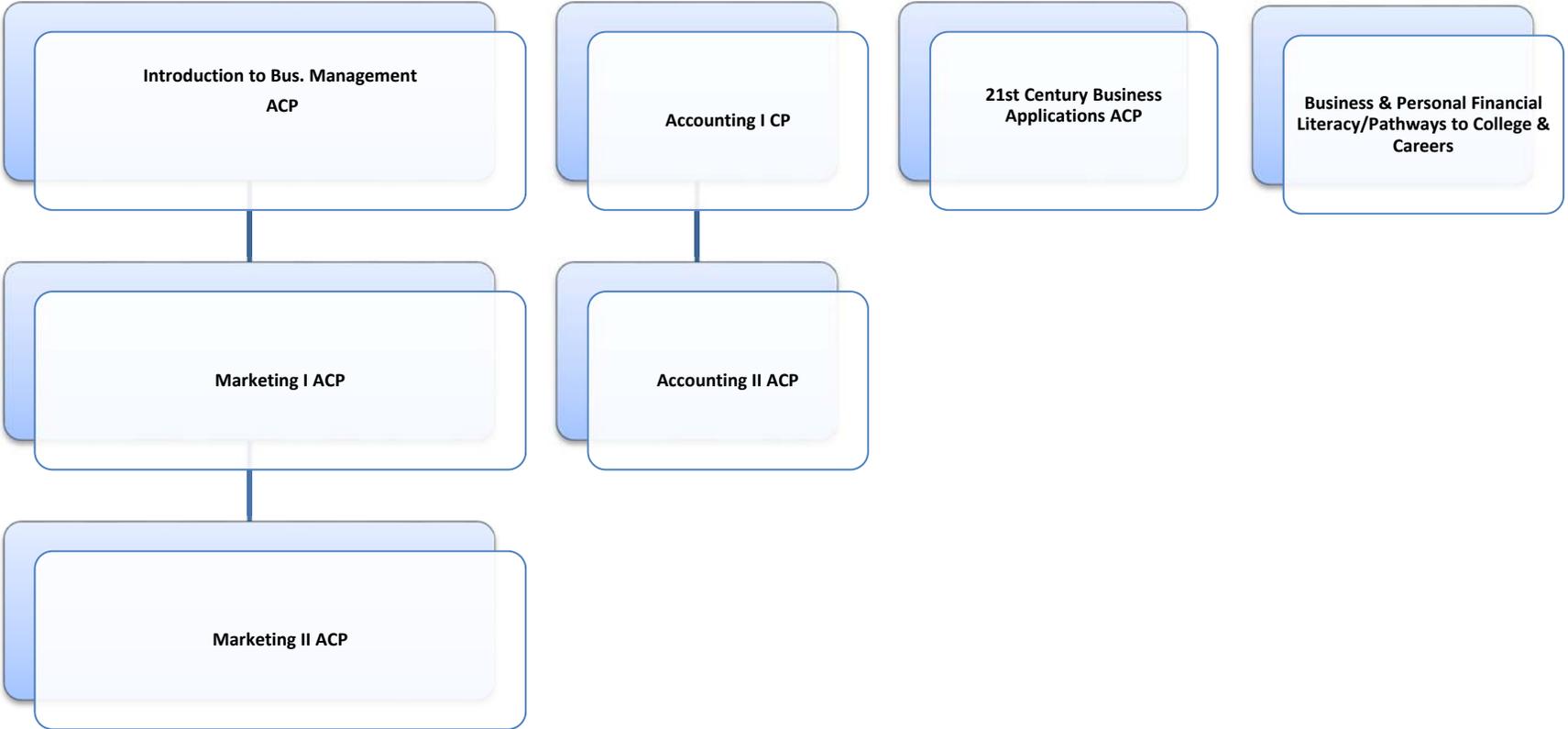
Construction, Facilities & Maintenance I
Construction, Facilities & Maintenance II
Construction, Facilities & Maintenance III

Sussex County Community College

Environmental Science ACP
Marketing II
AP Computer Science Principles
21st Century Business Applications
Economics
Principles of Engineering
Engineering Design Honors
Digital Game Development
Intro to Culinary Arts
Pre-Calculus Honors
AP Calculus BC
Music Production & Engineering

Intro to Business Management
Web Design & Server Development
PLTW Computer Science A
Cosmetology I – IV
Intro to Engineering
Civil Engineering
Computer Graphics I & II
Restaurant & Hospitality Management
Probability & Statistics
AP Calculus AB
Meistersingers
Technical Theatre I & II

BUSINESS DEPARTMENT
2019-20 COURSE OFFERINGS



**VBUS4093 BUSINESS & PERSONAL FINANCIAL LITERACY/
PATHWAYS TO COLLEGE AND CAREERS**

Full Year

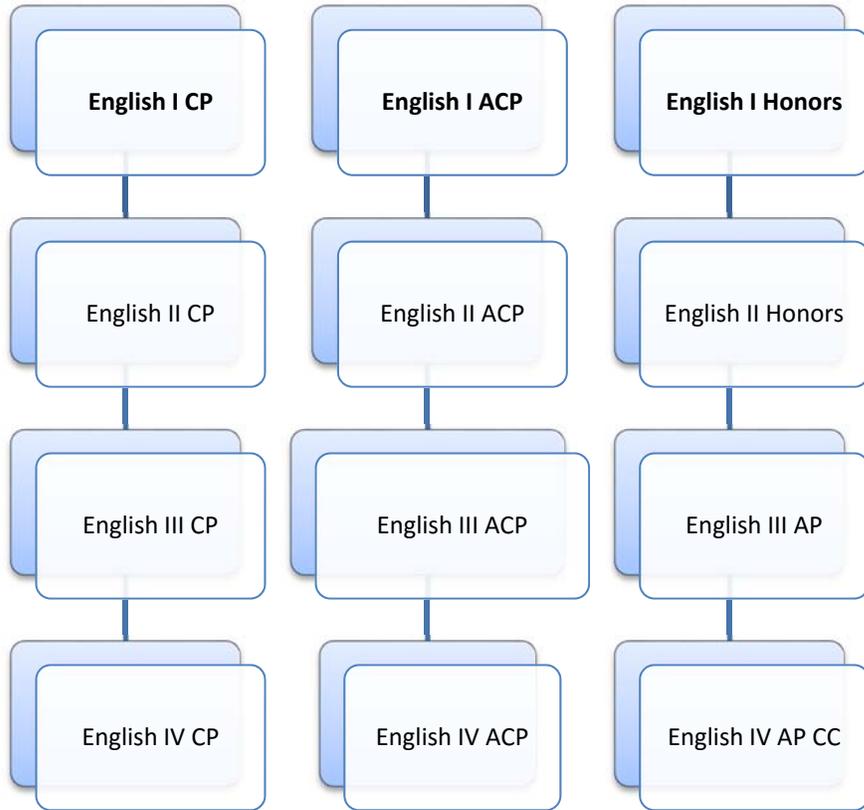
9,10,11,12

5.00 Credits

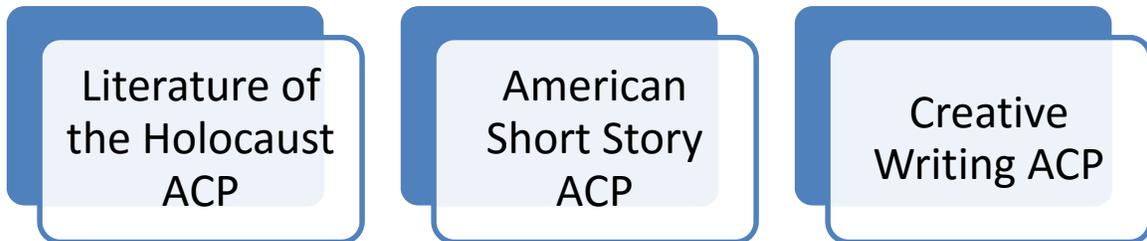
This course invites students to explore opportunities and requirements in planning for college and careers. Students will be able to explore career goals and consider a plan and timetable including educational and training requirements, and possible college costs. Students will identify personal interests and aptitudes related to careers including analyzing how economic, social-cultural, and political conditions can affect income and career potential. Students will be able to identify the educational and training requirements. Students will research how to find and apply for college and jobs, create a personal resume, develop interviewing techniques, analyze the application process, including financial form.

ENGLISH DEPARTMENT

2019-20 COURSE OFFERINGS



ENGLISH DEPARTMENT ELECTIVES



ENGLISH REQUIRED ACADEMIC COURSES

VENG5010 ENGLISH I CP **Full Year** **9** **5.00 credits** **Freshman Academy**

This course is designed for 9th grade students who have not met expectations on their state assessments, as well as any student having difficulty mastering grade level reading and writing skills. Instruction and assessment will focus on development and improvement of those Language Arts skills mandated in the New Jersey Student Learning Standards and assessed via the NJSLA-English. This course will focus on providing high interest literary selections and a comprehensive language skills program. **A summer reading assignment will be required and an assessment will be given on the opening days of school.**

VENG5020 ENGLISH I ACP **Full Year** **9** **5.00 credits**
Freshman Academy

English I CP is a multi-faceted course made up of the following components: reading, writing, grammar, vocabulary and discussion. Students will be exposed to a survey of world literature as well as informational texts and poetry. Students will write essays in various modes, including persuasive, expository, and thesis writing. Instruction and assessment will focus on development and improvement of those language arts skills mandated in the New Jersey Student Learning Standards and assessed via the NJSLA-English. **A summer reading assignment will be required and an assessment will be given on the opening days of school and graded as a major test.**

VENG5030 ENGLISH I HONORS **Full Year** **9** **5.00 credits**
Freshman Academy

Prerequisite: Recommendation by 8th Grade English Teacher and placement assessment. Students should exceed or meet expectations on their NJSLA-English

English I Honors is a full-year course featuring writing, grammar, oral expression, literary analysis and vocabulary. This course not only covers the college prep English I curriculum at an advanced level, but also incorporates additional and related genres of literature. Instruction and assessment will focus on development and improvement of those Language Arts skills mandated in the New Jersey Student Learning Standards and assessed via the NJSLA-English. To qualify for English 9 Honors, students must be recommended by their 8th grade teacher. Students will learn of the requirements for enrollment in their English 8 class or through their guidance counselor. **A summer project will require analytical reading, submission of responses throughout the summer and a cohesive essay will be due on the first day of class and graded as a major test.**

VENG5110 ENGLISH II CP **Full Year** **10** **5.00 credits**

This course is designed for 10th grade students who have been identified as having difficulty in mastering grade-level reading, writing and comprehension skills. This course is also recommended for any student who has experienced major difficulty in the traditional Language Arts program. This course will focus on providing high interest, traditional American literary selections, applicable informational texts and historical primary documents, accompanied by a comprehensive language skills program. Emphasis will be placed on fulfilling the New Jersey Learning Standards and preparing students for success on the NJSLA-English.

VENG5120 ENGLISH II ACP **Full Year** **10** **5.00 credits**

In this course, students will study traditional American literature, including novels and poetry. These texts will be supplemented by informational material culled from a variety of primary source documents, selected to enhance understanding and appreciation of the core texts. Instruction and assessment will focus on development and improvement of those Language Arts skills mandated in the New Jersey Student Learning Standards and assessed via the NJSLA-English. **A summer reading assignment will be required and an assessment will be given on the opening days of school and graded as a major test.**

VENG5130 ENGLISH II HONORS **Full Year** **10** **5.00 credits**
Prerequisite: Recommendation by 9th grade English Teacher. Students should exceed or meet expectations on their NJSLA-English.

This course serves as a comprehensive study of American Literature and social progress focusing on the issues of religion, race, gender and social equality from colonization to today. Students will examine primary literary works as well as supplemental historical documents and other informational texts. Instruction and assessment will focus on the development of Language Arts and critical thinking skills in adherence to the New Jersey Student Learning Standards and in preparation for the NJSLA-English. **A summer reading assignment will be required and an assessment will be given on the opening days of school and graded as a major test.**

VENG5210 ENGLISH III CP **Full Year** **11** **5.00 credits**

This course is designed for 11th grade students who have been identified as having difficulty in mastering grade-level reading and writing skills. This course is also recommended for any student who had experienced difficulty in the traditional Language Arts program. This course reviews British literature that deals with representative pieces from the Anglo-Saxon period to the Post-Colonial period. Emphasis will be placed on fulfilling the New Jersey Student Learning Standards and preparing students for success on the NJSLA-English.

VENG5220 ENGLISH III ACP **Full Year** **11** **5.00 credits**

This course reviews British literature that deals with representative pieces from the Anglo-Saxon period to the Post-Colonial period. Informational texts have been added to address the themes running throughout the literature. Instruction and assessment will also address those skills and concepts necessary to prepare students for the NJSLA-English and SAT exams. **A summer reading assignment will be required and an assessment will be given on the opening days of school and graded as a major test.**

VENG5230 ENGLISH III AP **Full Year** **11** **5.00 credits**
Prerequisites: Recommendation by English Teacher II Teacher. Students should exceed or meet expectations on their NJSLA-English.

This course follows the English Language and Composition curriculum and assessment style as well as the New Jersey Student Learning Standards. British literature and informational texts (the only type of texts on this AP test) form the focus of this course. Students will develop critical standards for the appreciation and analysis of informational text and literary works and will engage in the writing process with an emphasis on rhetorical analysis, argument, and synthesis of information from multiple sources. Instruction and assessment will also address those skills and concepts necessary to prepare for the NJSLA-English and SAT tests. **A summer reading assignment is required. It is expected that students enrolled in this course will sign up to take the AP English Language and Composition test.**

VENG5310 ENGLISH IV CP **Full Year** **12** **5.00 credits**

Students engage in the writing process with particular emphasis placed on the process of writing a comprehensive essay. Selected novels, stories, and other literary forms are studied. This course emphasizes the development of reading skills.

VENG5320 ENGLISH IV ACP **Full Year** **12** **5.00 credits**

This course will serve as a general survey of World Literature. The texts will be supplemented by informational material from a variety of primary source documents, selected to enhance understanding and critical thinking skills in accordance with the New Jersey Student Learning Standards and in preparation for College and Career Readiness. **Students will be required to complete a Senior Thesis paper** based on *Hamlet*, which will be designed to refine understanding of the research process. **A summer assignment will be required, due the first day of school, and assessed as a major test grade for the first marking period.**

VENG5330 ENGLISH IV AP CC* **Full Year** **12** **5.00 credits**
 Prerequisite: Recommendation by 11th grade CP or AP English Teacher. Students should exceed or meet expectations on their NJSLA-English.

World and modern American literature are the focus of the course. Students will develop critical skills for the independent appreciation of literary works and engage in the writing process with an emphasis on writing critical analysis, exposition and literary theory. Students will be given the opportunity to earn three credits from Seton Hall University for a nominal fee via Project Acceleration. Additionally, students will be required to complete the AP exam, which also presents the opportunity to get college credit at a discounted rate. The course will follow College Board recommendations, approval and assessments. **A summer reading assignment and essay will be required and an assessment will be given on the opening days of school and graded as a major test. It is expected that students enrolled in this course will sign up to take the AP test. *Seton Hall University**

ACADEMIC ELECTIVES

V5611 CREATIVE WRITING ACP **Full Year** **10,11,12** **5.00 credits**

In this course, students will explore all phases of creative writing and explore their creative voices, including poetry, fiction and non-fiction prose, personal essays, one-act plays and dialogues. Students will be immersed in activities that promote authorship including the development and creation of personal works and publication. Additionally, students will engage in workshop experiences, participate in weekly “round tables” which help foster their literary critiquing skills, and engage in peer and self-evaluation. Course may be taken more than once, for credit, with the approval of the teacher.

5705 LITERATURE OF THE HOLOCAUST ACP **Full Year** **11,12** **5.00 credits**

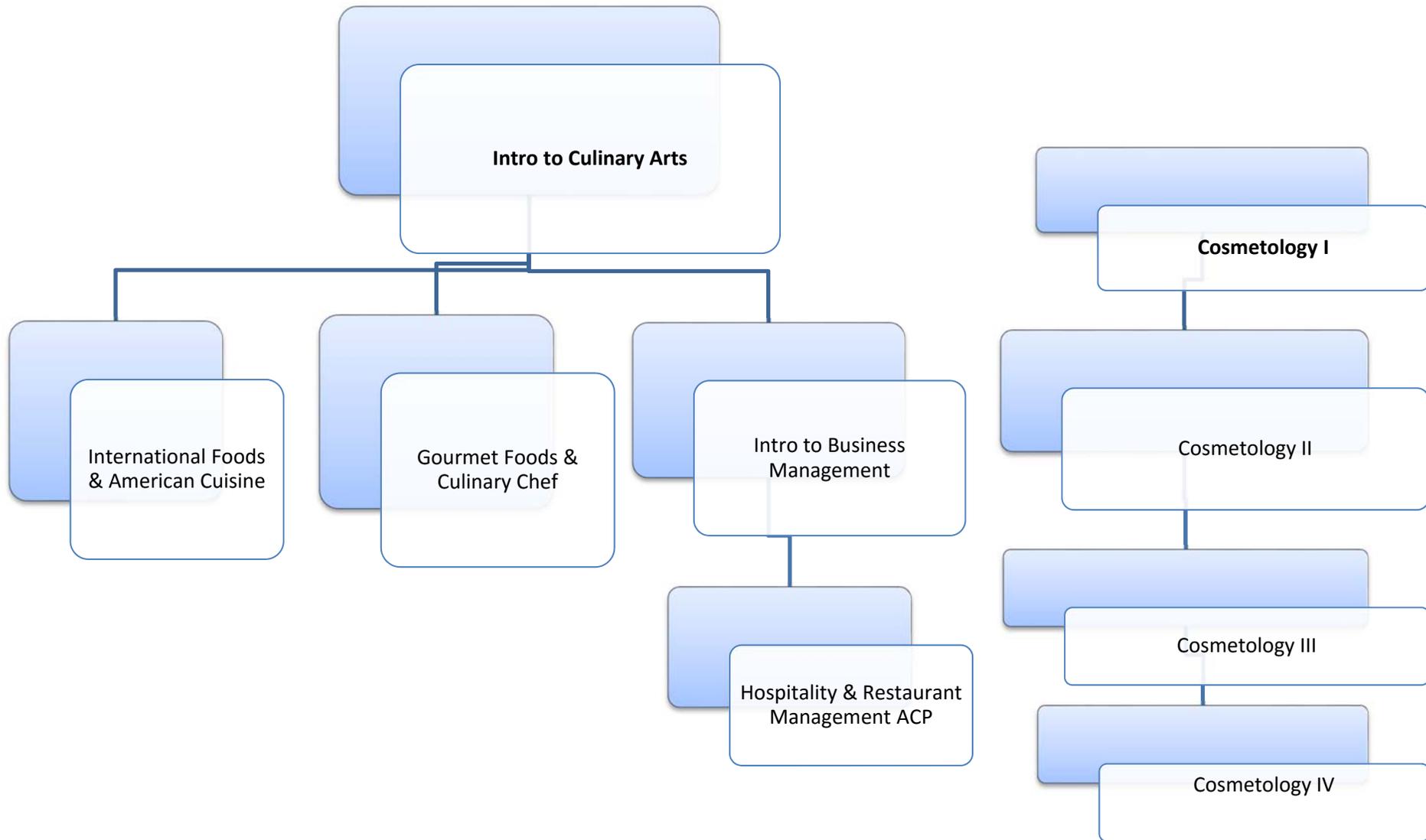
This course provides a comprehensive study of the Holocaust, genocide and tolerance in the twentieth and twenty-first centuries by studying Holocaust history and reading primary source material including fiction, historical fiction, memoirs, poetry, the graphic novel, drama and film. Students will respond to the literature through journals, presentations, and research. Participation in the annual tolerance fair is mandatory.

5770 AMERICAN SHORT STORY ACP **Full Year** **11,12** **5.00 credits**

This course is an intense exploration of the genre of short fiction by American writers from the Civil War through the present. Students will examine the American experience by connecting with the words of writers from different times and different cultural backgrounds. In addition, students will develop their reading comprehension skills, study habits, oral presentation competence and critical thinking abilities. This course also includes writing components in the forms of thesis papers and reader response essays.

FAMILY & CONSUMER SCIENCE DEPARTMENT

2019-20 COURSE OFFERINGS



function, requirements and procedures of the State Board of Cosmetology and Hairstyling exam. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to do additional studio/lab time to meet the number of class hours required by the state. Instruction in all understanding the structure, diseases and disorders of the skin, face, head, neck, bones, nerves, hands and nails will be explored. Topics include histology of skin, history of barber shaving, skin care, facial massage, trimming of facial hair (including beard and mustache, eyebrow, ear and nose hair trim), straight razor shave procedure, paraffin wax treatment, basic cosmetics, manicures, pedicures, artificial nails, nail disease/disorders, nail repair, and any corrective treatments. TOTAL HOURS: 135, Running Total 135/1000

VERN2016 COSMETOLOGY II **Full Year** **10** **10.00 Credits**

Prerequisite: Successful completion of Cosmetology I as well as approval of the instructor.

Introduction to basic services of cosmetology, and a comprehensive overview of the history of coloring will be explored. Topics include the principles and procedures, using creative expression and artistry for hair cutting, coloring, lightening, scalp and hair analysis, and permanent waving. Emphasis on a safety and sanitation measures will be implemented in all instruction. Students may be required to do additional studio/lab time to meet the number of class hours required by the state. Instruction in understanding the science as it relates to cosmetology, and a study into the ethical practices for the licensed professional will be incorporated. Topics include Physiology, Osteology, Myology, Neurology, and Chemistry as they relate to Cosmetology, the Circulatory System, Endocrine, Excretory, Digestive, Respiratory, Reproductive Systems, cell/tissue structure, body systems affected by Cosmetology. Additionally business practices, law regulations, and ethics practices will be explored. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to do additional studio/lab time to meet the number of class hours required by the state. TOTAL HOURS: 270, Running Total 405/1000

VERN2017 COSMETOLOGY III **Full Year** **11** **10.00 Credits**

Prerequisite: Successful completion of Cosmetology II as well as approval of the instructor.

In this course, students will independently and safely practice cosmetology methods and complete degree requirements. Topics include the art of soft selling products and service, and providing services for clients in a salon atmosphere. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to do additional studio/lab time to meet the number of class hours required by the state. TOTAL HOURS: 270, Running Total 675/1000

VERN2019 COSMETOLOGY IV **Full Year** **12** **10.00 Credits**

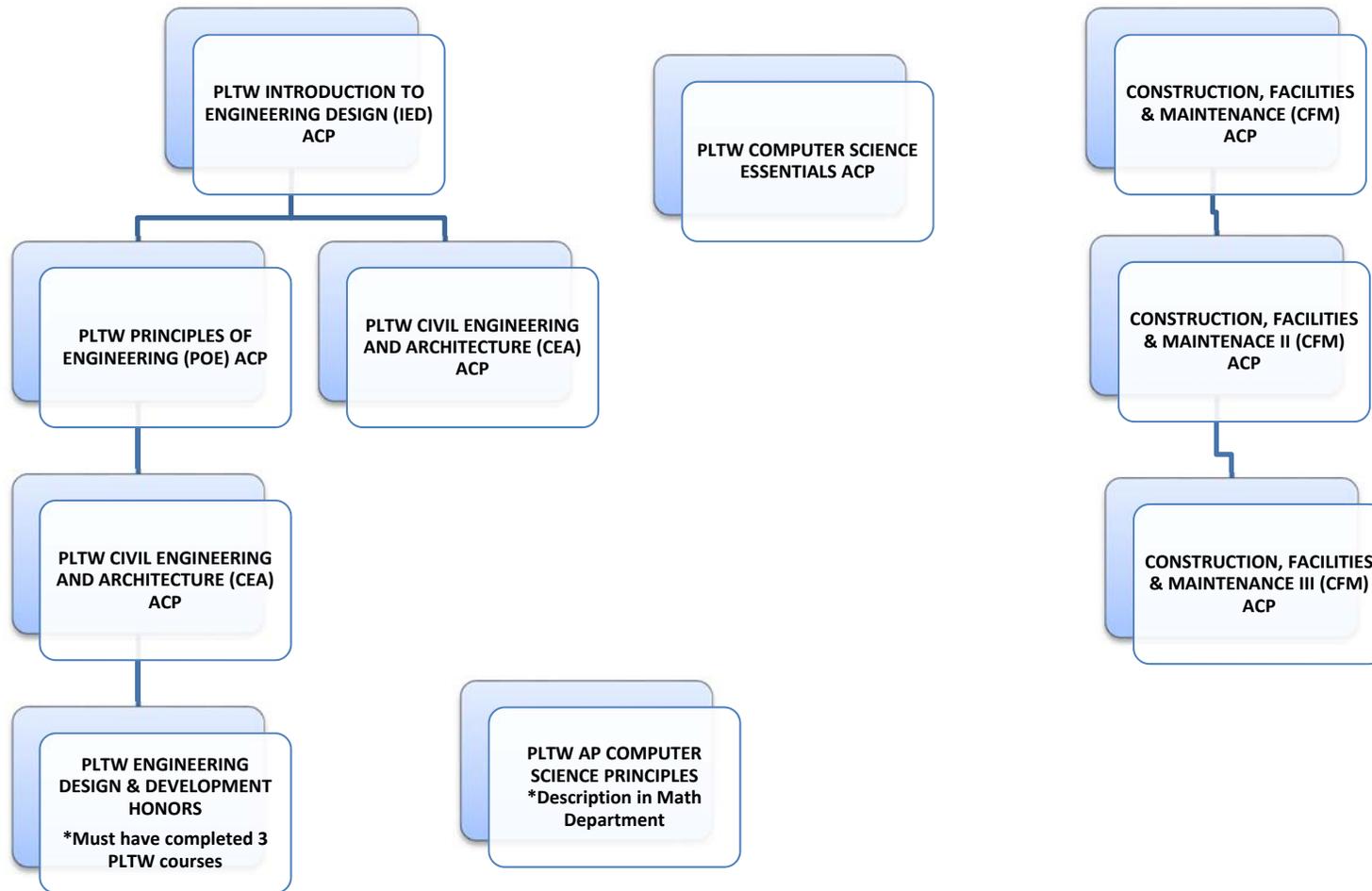
Prerequisite: Successful completion of Cosmetology III as well as approval of the instructor.

In this course, students will independently and safely practice cosmetology methods and complete degree requirements. Topics include the art of soft selling products and service, and providing services for clients in a salon atmosphere. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to do additional studio/lab time to meet the number of class hours required by the state. Students will continue to independently and safely practice cosmetology methods and complete degree requirement. Additionally, students will prepare for the New Jersey State Board Exam. TOTAL HOURS: 270, Running Total 945/1000

***Students will be required to make up the 55 additional hours towards their 1,000 either after school or on Saturdays. In addition, there is a possibility that students can accumulate hours through a summer week-long workshop between Sophomore and Junior year as between Junior and Senior year.

ENGINEERING & TECHNOLOGY EDUCATION DEPARTMENT

2019-20 COURSE OFFERINGS



Note: Our Engineering CTE Program includes the following three course sequence

1. IED → 2. POE → 3. CEA

ENGINEERING & TECHNOLOGY EDUCATION

**VIA7445 CONSTRUCTION, FACILITIES
& MAINTENANCE (CFM) ACP** **Full Year** **9,10,11,12** **5.00 credits**

This course is meant to give the students an introduction to the world of Building Construction and a look into many of the Trades. It will focus on the built structure and what each of the Trades role is. Covering basic hand tool and power tool usage will open up projects revolving around the different steps of a built structure and which trades are involved. Students will also have the opportunity to take part in our CTSO program- Skills USA. Articulation agreement through Temple University, credits pending completion of CFM I & II.

**VIA7455 CONSTRUCTION, FACILITIES
& MAINTENANCE II (CFM) ACP** **Full Year** **10,11,12** **5.00 Credits**

Prerequisite: Successful completion of Construction, Facilities & Maintenance (CFM) CP

The second year if CFM will focus more on Construction Technology. There will be more of an emphasis on or a deeper investigation into the Construction Process, Architecture and Engineering, the Design Process and Construction Systems. More in depth trades and system projects, learning of computer-based systems and scale model building will be used along with all skills learned in CFMI to complete the hands on aspect of this course. Students will also have the opportunity to take part in our CTSO program- Skills USA. Articulation agreement through Temple University, credits pending completion of CFM I & II.

**VIA7475 CONSTRUCTION, FACILITIES
& MAINTENANCE III (CFM) ACP** **Full Year** **11,12** **5.00 Credits**

Prerequisite: Successful completion of CFM I & II along with teacher recommendation.

The final year of CFM will allow the students who have completed the first two years to choose a particular trade and complete a project-based study of that choice. Internships, work place shadowing, and larger scale model building will all take place along with more complicated computer based systems to fully prepare students for the field.

VIA7500 PLTW COMPUTER SCIENCE ESSENTIALS ACP **Full Year** **9, 10** **5.00 Credits**

Computer Science Essentials (CSE) is an excellent entry point for new high school computer science (CS) learners. Students who have prior CS experience will find ample opportunity to expand upon those experiences in this course. All students who take CSE will have many opportunities for creative expression and exploration in topics of personal interest, whether it be through app development, web design, or connecting computing with the physical world.

**VIA7401 PLTW INTRODUCTION TO ENGINEERING
DESIGN (IED) ACP** **Full Year** **9,10,11,12** **5.00 credits**

Prerequisite: Enrollment in or successful completion of Algebra I

In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems.

Students will learn how to document their work and communicate solutions to peers and members of the professional community. This course is designed for 9th or 10th grade students. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

VIA7425 PLTW PRINCIPLES OF ENGINEERING**(POE) ACP****Full Year****10,11,12****5.00 Credits**

Prerequisite: Grade of 80% or above in Introduction to Engineering Design (IED) and successful completion of Algebra I and/or Geometry

This survey course of engineering exposes students to some of the major concepts they'll encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.

VIA7435 PLTW CIVIL ENGINEERING AND ARCHITECTURE**(CEA) ACP****Full Year****10,11,12****5.00 credits**

Prerequisite: Grade of 80% or above in Introduction to Engineering Design (IED) and successful completion of Algebra I and/or Geometry

The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. The course provides teachers and students freedom to develop the property as a simulation or to students to model the experiences that civil engineers and architects face. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture. This course is designed for 11th or 12th grade students.

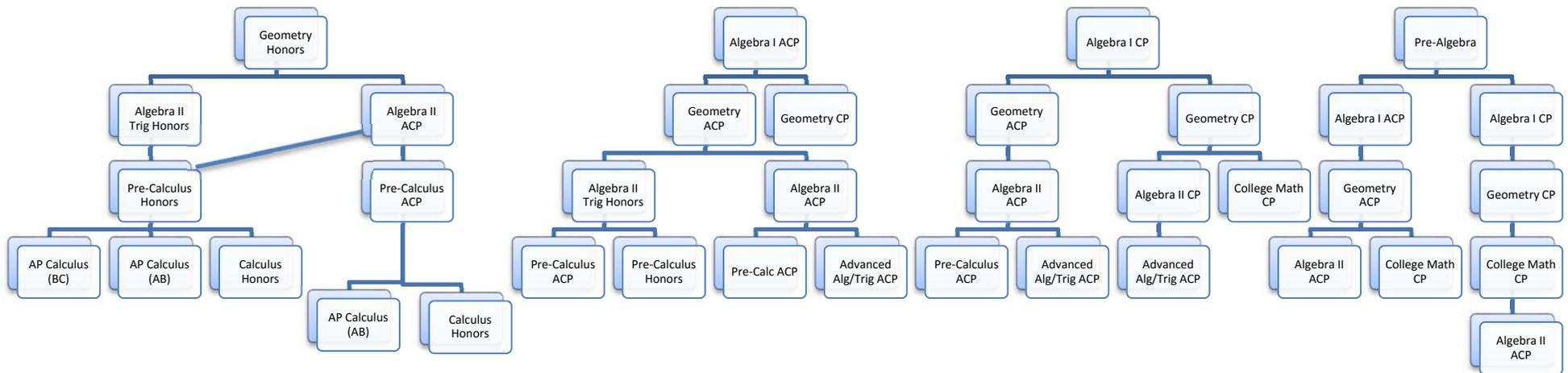
**VIA7465 PLTW ENGINEERING DESIGN
& DEVELOPMENT HONORS****Full Year****12 5.00 Credits**

Prerequisite: Successful completion of 3 PLTW courses & teacher recommendation.

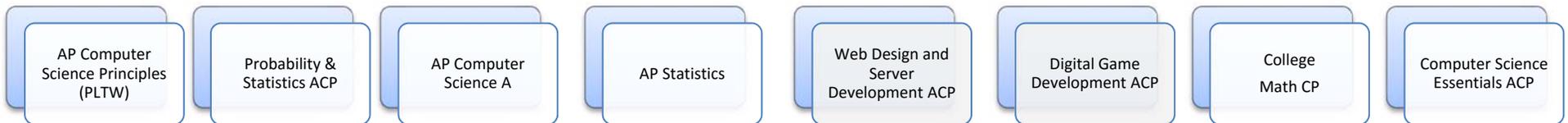
In this capstone course, you will work as part of a team to develop a solution to a technical problem of your choosing. Challenge yourself with one of those "Don't you hate it when....." issues of the world and try to solve it. You and your team will use what you've already learned in previous PLTW courses to guide you through the process of design and product development.

MATHEMATICS DEPARTMENT

2019-20 COURSE OFFERINGS



MATHEMATICS DEPARTMENT ELECTIVES



MATHEMATICS

NOTE: All New Jersey state colleges now require a minimum of three years of Mathematics including Algebra I, Geometry and a course that builds on Algebra and Geometry.

VMAT215 ALGEBRA I CP **Full Year** **9,10,11** **5.00 credits**

Operational skills and concepts are developed as an out-growth of the system of real numbers. Emphasis is on the development of abstract reasoning and problem-solving skills. Components of this course are included in the NJSLA-Algebra exam.

220 ALGEBRA I ACP **Full Year** **9,10,11** **5.00 credits**

Prerequisite: Math 8 with a grade of 80% or better

Operational skills and concepts are developed as an out-growth of the system of real numbers. Emphasis is on the development of abstract reasoning and problem-solving skills. Components of this course are included in the NJSLA-Algebra exam.

VMAT300 GEOMETRY CP **Full Year** **10,11,12** **5.00 credits**

Prerequisites: Algebra I CP or Algebra I ACP

This course will take a practical, hands-on approach to the study of Euclidean geometry. Emphasis will be on everyday applications of geometry concepts. Euclidean geometry is the core around which major themes of this course are organized. In addition, this course includes logical sequence, geometry applications of algebra, and the use of transformations and constructions.

310 GEOMETRY ACP **Full Year** **10,11,12** **5.00 credits**

Prerequisites: Algebra I ACP with a minimum grade of 80% or successful completion of Algebra I CP with a minimum grade of 90% and teacher recommendation

Geometry ACP includes the topics covered in Geometry CP. Topics will be covered at a faster pace and in greater depth. Euclidean geometry is the core around which major themes of this course are organized. In addition, this course includes logical sequence, geometry applications of algebra, and the use of transformations and constructions.

VMAT320 GEOMETRY HONORS **Full Year** **9** **5.00 credits**

Prerequisites: Algebra I ACP with a minimum grade of 85% and teacher recommendation. Students should exceed or meet expectations on their math state assessment.

Geometry Honors includes the topics covered in Geometry ACP. Computer applications and proof writing will be emphasized and a major goal of this course will be to develop logical thinking skills. **A summer project is required which will be due on the first day of class and graded as a major test.**

330 ALGEBRA II CP **Full Year** **11,12** **5.00 credits**

Prerequisites: Geometry CP or Geometry ACP

Algebra II CP is offered to students who have successfully passes Algebra I CP. This course is designed to provide students with a thorough knowledge of numbers, functions and their graphs, and real-world applications of functions. Topics such as data analysis, linear, quadratic, exponential, logarithmic functions, and conic sections will be included. Graphing calculator activities will be presented throughout the course to make mathematics enjoyable and relevant to the students. NOTE: New Jersey State Colleges now require Algebra II of all students prior to admission.

400 ALGEBRA II ACP **Full Year** **10,11,12** **5.00 credits**
Prerequisites: Geometry ACP with a minimum grade of 75% and teacher recommendation

Algebra II ACP includes the topics covered in Algebra II CP. Topics will be covered at a faster pace and greater depth. offered to students who have successfully passed Algebra I CP. Students in the Algebra II ACP course may take Pre-Calculus after completion of this course. Students will develop the skills needed to become proficient in the fundamental principles of mathematics so they can successfully study the mathematics that follow this course.

VMAT0410 ALGEBRA II/TRIG. HONORS **Full Year** **9,10** **5.00 credits**
Prerequisites/Core Requisites: Geometry Honors with a minimum grade of 85% or Geometry ACP with a minimum grade of 90% and teacher recommendation Students should exceed or meet expectations on their math state assessment.

Algebra II/Trigonometry Honors is offered to students who have successfully passed Algebra I ACP and Geometry ACP or Honors. This course is designed to provide students with a thorough knowledge of numbers, functions and their graphs, and real-world applications of functions. Topics such as data analysis, linear, quadratic, exponential, logarithmic, and trigonometric functions, and conic sections will be included. Graphing calculator activities will be presented throughout the course to make mathematics enjoyable and relevant to the students. Students in the Algebra II Honors course may take Pre-Calculus ACP or Pre-Calculus Honors after completion of this course. Students will develop the skills needed to become proficient in the fundamental principles of mathematics so they can successfully study the mathematics that follow this course.

VMAT660 PRE-CALCULUS ACP **Full Year** **11,12** **5.00 credits**
Prerequisites: Algebra II ACP with a minimum grade of 75% and teacher recommendation

Pre-Calculus completes the formal study of the elementary functions that begins in Algebra I ACP and Algebra II ACP. This course addresses topics in algebraic, geometric and logical approaches. This course is offered to students who have successfully completed Algebra II ACP. Students focus on the use of technology, modeling, and problem solving involving data analysis, trigonometric and circular functions, their inverses, polar coordinates, complex numbers, vectors, exponential and logarithmic functions. Word problems and real-life applications are utilized to help make mathematics meaningful and enjoyable to students. Graphing calculators are used extensively to aid students in navigating through modeling, data analysis, and problem solving.

VMAT670 PRE-CALCULUS HONORS **Full Year** **10,11,12** **5.00 credits**
Prerequisites: Algebra II ACP with a minimum grade of 90% or Algebra II/Trig. Honors with a minimum grade of 85% and teacher recommendation and completion of assigned summer work. Students should exceed or meet expectations on their math state assessment.

Pre-Calculus Honors is for students who have successfully completed Algebra II Honors or earned an A in Algebra II ACP. This course provides a necessary mathematical background for students interested in science, mathematics, engineering and other related fields and areas of study. Pre-Calculus Honors provides the first stage needed in the study of Calculus and AP Calculus. Pre-Calculus Honors emphasizes the study of functions and their graphs. Trigonometry and analytic geometry are reviewed with the emphasis being placed on applications of basic principles. An introduction to Calculus is given with an emphasis on limits and the derived function. Vectors, matrices and discrete math are also studied. Graphing calculator activities will be presented throughout the course to make mathematics enjoyable and relevant to the students.

geometry, and trigonometry will be covered. Graphing calculators and college placement testing practice activities will be presented throughout the course to make the math relevant and enjoyable to students.

VMAT0220 COLLEGE MATH CP **Full Year** **11,12** **5.00 credits**
Prerequisites: Successful Completion of Algebra I CP and Geometry CP

This course is designed to build upon algebra and geometry skills learned in previous classes and prepare students for success in college, career, and beyond. The course reinforces and extends the fundamentals of geometry and algebra and will focus on the Algebra Accuplacer test to cover topics including: operations with whole numbers and fractions, operations with decimals and percent's, and applications and problem solving. Students that earn above a 76 on this test will fulfill graduation requirements and place out of no credit math classes at community college. After completion of the Accuplacer exam students will study a variety of probability, statistics and algebra II concepts.

VMAT0230 WEB DESIGN & SERVER DEVELOPMENT ACP **Semester** **10,11,12** **2.50 credits**
Prerequisites: Successful Completion of Algebra I CP

This course is designed to allow students to understand two facets of a large subset of their daily life. How to design web sites, as well as how to build and maintain the technological platform which they require in order to exist. Students will learn both software and hardware requirements necessary for a web server to exist, as well as how to use them to host their own projects. Students will also learn about the problems behind maintaining a web server and preventing/correcting security vulnerabilities.

VMAT0240 DIGITAL GAME DEVELOPMENT ACP **Semester** **10,11,12** **2.50 credits**
Prerequisites: Successful Completion of Algebra I CP

This course is targeted as an introduction to game theory and development. Students will be engaged throughout the course to design both new and classic games through a user-friendly game programming interface. Many topics will be addressed throughout the course including game design, theory, creation, and production. Students will learn how games are distributed and design game programs that are platform independent.

ADVANCED PLACEMENT COURSES

VMAT0160 STATISTICS AP **Full Year** **10,11,12** **5.00 credits**
Pre-requisite: Successful completion of Algebra II/Trigonometry Honors or Pre-Calculus

The AP Statistics course is designed to provide students with a learning experience equivalent to an introductory college, non-calculus-based course in statistics and will introduce the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The equivalent introductory college statistics class is typically required for majors in the fields of social sciences, health sciences, and business. This course is also an effective preparation for science, engineering, and mathematics majors whose course curriculum usually dictates upper-level calculus-based statistics. Important considerations for the class will be the themes of: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Technology will be utilized in the form of computers, computer software, and graphing calculators. Students will engage in constructing own knowledge through the incorporation of lab activities, group problem-solving, projects, and class presentations. The AP Statistics course at Vernon Township High School will follow a curriculum based upon the curriculum of the state of New Jersey and the guidelines of the College Board. **It is expected that students enrolled in this course will sign up to take the AP test.**

VMAT680 AP COMPUTER SCIENCE A **Full Year** **10,11,12** **5.00 credits**
Prerequisite: Successful Completion of AP Computer Science Principles CC

AP Computer Science A is intended to serve both as an introductory course for computer science majors and/or as a course designed for people who will major in other disciplines that require significant involvement with technology. It is

not a substitute for the usual college-preparatory mathematics courses. The following goals apply to the AP Computer Science A course when interpreted within the context of the course. Students should be able to:

1. Design and implement solutions to problems by writing, running, and debugging computer programs.
2. Use and implement commonly used algorithms and data structures.
3. Develop and select appropriate algorithms and data structures to solve problems.
4. Code fluently in an object-oriented paradigm using the programming language Java. Students are expected to be familiar with and be able to use standard Java library classes from the AP Java subset.
5. Read and understand a large program consisting of several classes and interacting objects. Students should be able to read and understand a description of the design and development process leading to such a program. (An example of such a program is the *AP Computer Science Case Study*.)
6. Recognize the ethical and social implications of computer use.

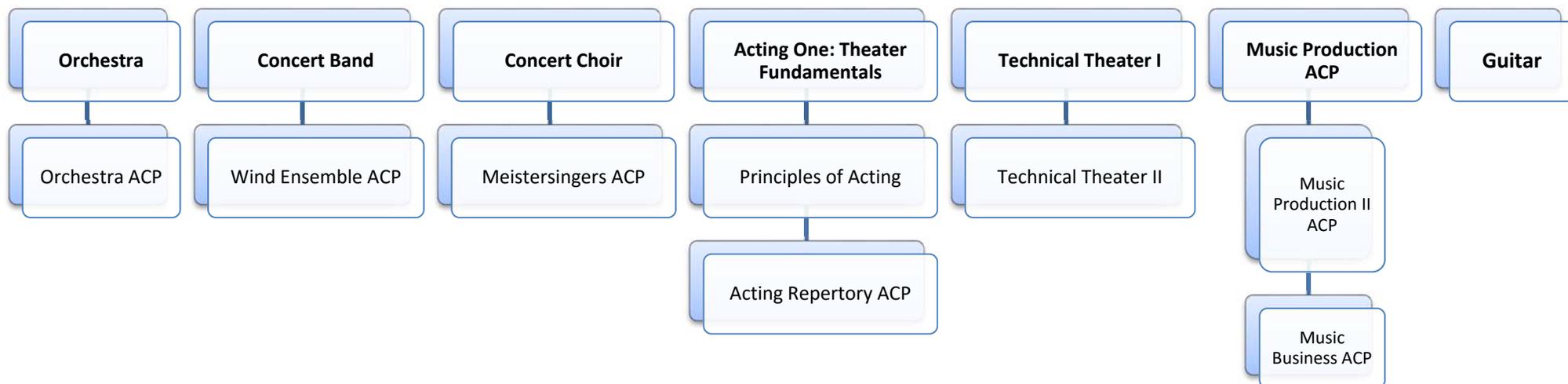
The AP Computer Science A course at Vernon Township High School will follow a curriculum based upon the curriculum of the state of New Jersey and the guidelines of the College Board. **It is expected that students enrolled in this course will sign up to take the AP test.**

VMAT0200 PLTW AP COMPUTER SCIENCE PRINCIPLES Full Year 9,10,11,12 5.00 credits
Prerequisites: Successful Completion of Algebra I CP

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field. **It is expected that students enrolled in this course will sign up to take the AP test.**

PERFORMING ARTS DEPARTMENT

2019-20 COURSE OFFERINGS



Wind Ensemble meets every day; and additionally, a weekly sectional is required of all members. Regular practice at home is recommended and encouraged. Students enrolled in Wind Ensemble commit themselves to personal musical growth, progress toward the goals of the group, and to conformity of decorum as outlined in school and departmental policy. Written assignments, Performance Assessments, and Yearly performances include, but are not limited to, Fall Concert, Holiday Concert, Spring Concert, and Pops Concert and the High School Senior Class Graduation.

6530 ORCHESTRA (May be repeated) Full Year 9,10,11,12 5.00 credits

Orchestra is designed for instrumentalists with prior string performance experience. Students will continue to develop and advance their individual instrumental technique. Individual and ensemble musicianship skills will be developed. The focus of the class is to increase the performance level of both individual students and the ensemble as a whole. Repertoire to be studied will include a wide variety of styles and periods. Members of the Orchestra have the opportunity to audition for the VTHS Chamber Orchestra. Students are also encouraged to audition for honors orchestras, such as the Sussex County Youth Orchestra, Region I Orchestra, and All-State Orchestra. Orchestra meets every day. An additional weekly sectional and regular individual practice are required. Students enrolled in Orchestra commit themselves to personal musical growth, progress toward the goals of the group, and conformity of decorum as outlined in school and departmental policy. Attendance at extra rehearsals and performances is also a requirement. Yearly performances include (but are not limited to) the Holiday Concert, Spring Concert, and Pops Concert. The Solo/Ensemble Concert features solo performances, chosen at the discretion of the director. Students in their second, third, or fourth year may qualify for the Tri-M Music Honor Society.

6540 ORCHESTRA ACP (May be repeated) Full Year 10,11,12 5.00 credits

Students who are currently members of the VTHS Chamber Orchestra may enroll for Orchestra CP. Chamber Orchestra students strive to develop higher skills of technical proficiency and artistic expression on the individual and ensemble levels. In addition to meeting the requirements for Orchestra, they are expected attend at least one hour-long rehearsal after school each week and numerous afternoon or evening performances throughout the school year. Students in the VTHS Chamber Orchestra will work on literature specifically tailored for various school and community performances in addition to their Holiday, Pops, and spring concert literature.

6600 CONCERT CHOIR (May be repeated) Full Year 9,10,11,12 5.00 credits

This course is designed to develop student skill in vocal technique, sight singing (i.e. music reading skills), ensemble technique, and overall musicianship through a variety of vocal and choral experiences. The focus of the class is to increase the performance level of both individual students and the ensemble as a whole; ensemble music and group activities are central to class activities. Music of all styles and periods will be explored with an emphasis on master choral works. Development of knowledge and skills in sight singing and music theory is included.

Members of the Concert Choir have the opportunity to audition for chamber choirs, and other small ensembles. Students are also encouraged to audition for honor ensembles such as, County, Region, and All-State Chorus. Select opportunities are provided for solo development and performance; voice part, seniority, and ability levels are determining factors.

Chorus meets every day; and additionally, weekly sectionals are required. Students enrolled in Concert Choir commit themselves to personal musical growth, progress toward the goals of the group, and to conformity of decorum as outlined in school and departmental policy. Attendance at extra rehearsals and performances is also a requirement. Yearly required performances include, but are not limited to, the Holiday Concert, On Broadway Concert, and Spring Concert. The Solo/Ensemble Recital showcases seniors in the area of classical music.

VPFA6530 GUITAR (May be repeated) Full Year 9,10,11,12 5.00 Credits

Guitar is an engaging, step-by-step, user friendly, and interactive course aimed at getting students to play music immediately. No prior experience in guitar is required and this course is designed to accommodate each

individual student's aptitude within a unified set of goals. Those goals include reading tablature, pick technique, strumming styles, reading chords, and playing solo and ensemble literature. Students will also have the opportunity to improvise and solo within the context of a song. The music studied will include multiple genres and styles including blues, rock, pop, country, and folk across many time periods including contemporary.

6620 MEISTERSINGERS ACP (May be repeated) **Full Year** **10,11,12** **5.00 credits**
Prerequisites: Concert Choir and Audition/Recommendation.

Student admission to this class is by audition and instructor approval only. The course is designed for advanced singers with one, two, or three years of experience in one of the VTHS concert choirs. Students who have been members of County, Region, or All-State choruses will receive special consideration for admission. Advanced vocal technique and ensemble skills will be developed while advanced choral music is studied. Additional community performances will be expected of this ensemble. Students will be involved with more demanding and sophisticated standards in terms of critiquing, aesthetic awareness, and in examining the studied repertoire's historical, social, and cultural influences.

6800 ACTING ONE: THEATER FUNDAMENTALS **Full Year** **9,10,11,12** **5.00 credits**

This is an introductory survey course in theater arts. It provides a complete background in the fundamentals of acting, with attention to scenery, lighting, makeup, theater history, creativity, and the relationship of theater to all of the arts. Much activity is hands-on. This class is a prerequisite for the acting training class, Principles of Acting.

6810 PRINCIPLES OF ACTING **Full Year** **10,11,12** **5.00 credits**
Prerequisites: Acting One: Theater Fundamentals, or instructor and administrative approval.

This is a studio course to train actors for the stage, using a variety of approaches to develop characters in the performance situation. Students learn to create believable characters and relationships in monologues and scenes. Attention to voice and body training, begun in Acting One: Theater Fundamentals is continued here. Students in this class have some public performance opportunities and are expected to perform in an end-of-year recital. Principles of Acting is a prerequisite for the advanced Acting Repertory class.

6820 TECHNICAL THEATER I **Full Year** **9,10,11,12** **5.00 credits**

This is a hands-on course in theater technology. Students learn about design and construction methods of all types of scenery. Additional activity concerns lighting, sound, special effects, computer control, costumes, and theater management. Students in this course provide assistance to play productions, concerts, and all users of the auditorium.

6830 TECHNICAL THEATER II (May be repeated) **Full Year** **10,11,12** **5.00 credits**
Prerequisite: Technical Theater I.

This course is for advanced technical theater students. Meeting concurrently with the Technical Theater class, emphasis is on production research, scenery and lighting design, professional drafting standards, and production crew leadership positions such as master electrician and stage manager. Specific design specialty is tailored to individual student needs. Advanced Technical Theater students are expected to perform a leadership role with the Theater Technical students.

6900 ACTING REPERTORY (May be repeated) **Full Year** **11,12** **5.00 credits**
Prerequisites: Principles of Acting, or both instructor and administrative permission.

This is an advanced acting performance class. Students engage in the preparation of a variety of performances for statewide festivals and local public audiences as well as K-12 school groups. Continuing work on monologues, pairs, scenes, and improvisations fosters growth in technique, analysis, and style. Acting Repertory students must

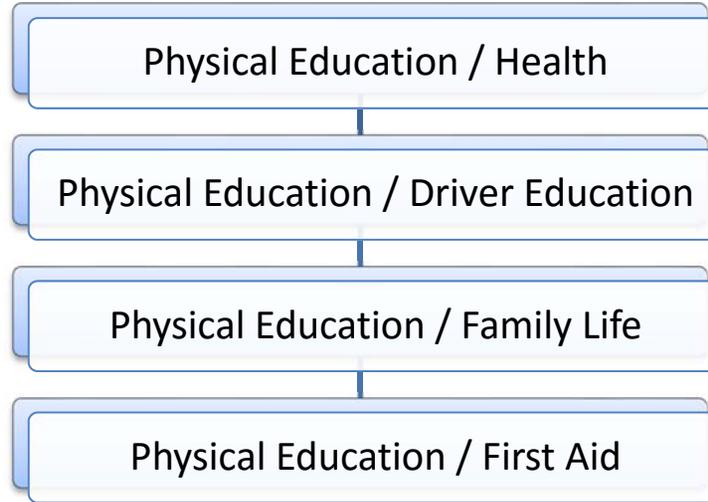
recognize that extra-curricular time is required to meet the demands of this course. The Acting Repertory class produces its own full-length showcase at the end of the school year as a final project.

6910 ACTING REPERTORY ACP (May be repeated) Full Year 11,12 5.00 credits

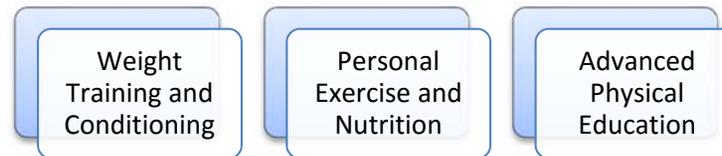
Prerequisites: Principles of Acting or instructor and administrative permission - in addition students must be enrolled in their third or fourth year of a Theater Arts class.

College prep level grading is available as an option for students in their third or fourth year of Acting Repertory class. Students may also be eligible who have completed other performing arts courses. Eligibility to enroll for the College Prep option is only by approval of both the instructor and academic chairperson. Students must complete all requirements of the regular level of Acting Repertory, as well as all additional CP requirements. Mandatory CP requirements are delineated by departmental guidelines. Additional requirements are at the discretion of the instructor. All ACP work is graded. Grading criteria for the ACP level is specific to the ACP course; that is, it is different from the general level course.

HEALTH & PHYSICAL EDUCATION DEPARTMENT
2019-20 COURSE OFFERINGS



HEALTH & PHYSICAL EDUCATION DEPARTMENT ELECTIVES



PHYSICAL EDUCATION & HEALTH

**ELECTIVE IN PLACE OF THE REGULAR PHYSICAL EDUCATION CLASS*

| | | | | |
|-----------------|------------------------------------|------------------|-------------------|---------------------|
| VPED9002 | ADAPTIVE PHYSICAL EDUCATION | Full Year | 9,10,11,12 | 5.00 credits |
|-----------------|------------------------------------|------------------|-------------------|---------------------|

Adaptive Physical Education is designed to improve the physical and mental well-being of each student within his or her limitations. Emphasis throughout the course is placed on improving the self-worth of each student through his or her effort.

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|----------|---------------------------------------|------------------|-------------------|------------------------|
| VPED9101 | PHYSICAL EDUCATION/HEALTH 9 | Full Year | 9,10,11,12 | 5.00 credits-PE |
| VPED9102 | PHYSICAL EDUCATION/DRIVER ED 10 | | | |
| VPED9103 | PHYSICAL EDUCATION/FAMILY LIFE 11 | | | |
| VPED9104 | PHYSICAL EDUCATION/FIRST AID 12 | | | |
| VPED9201 | PHYSICAL EDUCATION/HEALTH LAB 9 | | | 4.00 credits-PE |
| VPED9202 | PHYSICAL EDUCATION/DRIVER ED LAB 10 | | | |
| VPED9203 | PHYSICAL EDUCATION/FAMILY LIFE LAB 11 | | | |
| VPED9204 | PHYSICAL EDUCATION/FIRST AID LAB 12 | | | |

Physical Education is required of all students. A variety of team and individual sports along with Project Adventure activities are presented with emphasis placed in the 11th and 12th grade on lifetime sports and leisure activities. All activities involve the teaching of skills, developing and maintaining fitness and social interaction.

General Health is part of the ninth grade program. The student becomes the central focus of this course. What he/she learns concerns the optimum health of his/her own body and mind.

Driver Education Theory is presented in the sophomore year. This course presents areas concerning vision, hearing, alcohol, drugs, laws of nature, man's laws, and traffic as they relate to driving a motor vehicle.

Family Life Living is introduced in the junior year. This course includes a preface to marriage and its adjustments and family problems.

First Aid is required of all seniors. This course is concerned with instruction of artificial respiration, and emergency first aid for severe bleeding, shock, poison, minor injuries and an awareness of being safety conscious.

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|--|------------------|-----------|---------------------|
| *VPED9116 PE/WEIGHT TRAINING 10 LAB | Full Year | 10 | 4.00 credits |
| *VPED9117 PE/WEIGHT TRAINING 10 | Full Year | 10 | 5.00 credits |
| *VPED9118 PE/WEIGHT TRAINING 11 LAB | Full Year | 11 | 4.00 credits |
| *VPED9119 PE/WEIGHT TRAINING 11 | Full Year | 11 | 5.00 credits |

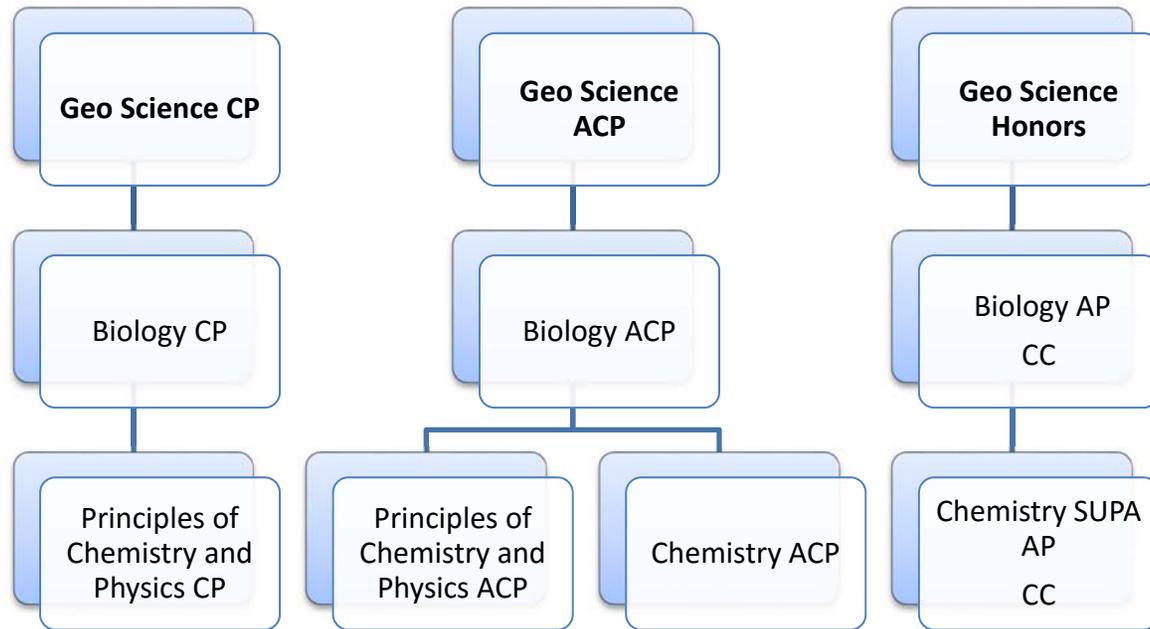
The Weight Lifting class is geared to the student who wishes to learn basic anatomy and physiology on their way to mastering the basic fundamentals of weight lifting as well as program design and implementation. Students will be utilizing both the classroom and weight room throughout the school year. Class content will include but will not be limited to the following: anatomy and physiology, body systems, components of fitness, test and measurements to evaluate fitness, basic lifts, free weights and pin loaded machine lifts, muscle groups, nutrition, and the various phases of lifting. Program goals regarding muscular, cardiovascular and flexibility development will also be stressed. In addition to written assignments, an end of year Power Point Project will be required along with a Daily Fitness and Nutrition Log. **This course will serve in place of a student's regular physical education class, as it will meet the required criteria.**

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|------------------|--|------------------|-----------|---------------------|
| *VPED9111 | PERSONAL EXERCISE & NUTRITION | Full Year | 11 | 5.00 credits |
| *VPED9112 | PERSONAL EXERCISE & NUTRITION LAB | Full Year | 11 | 4.00 credits |

Target Audience – Students who may be dealing with a weight issue, nutritional concerns, and/or an interest in pursuing a healthy and active daily aerobic lifestyle as well as a nutritionally balanced lifestyle. Course Content – One day a week, students will be in the classroom discussing nutrition and personal health. Students will be responsible for learning how to monitor daily caloric intake. Each marking period, students will be involved in doing an individual or a group project based around the concepts of nutrition and personal health. Students will also be submitting weekly articles concerning these topics. The other four days of the week, students will be exploring, implementing, and executing different types of cardiovascular aerobic workouts, movement exploration, as well as weight training regimes to help build healthier cardiovascular systems. Project Adventure style group initiatives and challenges will also be implemented into the course. All students in the class will be out for their regularly scheduled health classes during the same marking period (preferably marking period 3). **This course will serve in place of a student’s regular physical education class, as it will meet the required criteria.**

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|--------------|---|------------------|-----------|---------------------|
| *9300 | ADVANCED PHYSICAL EDUCATION & PERSONAL FITNESS LAB | Full Year | 12 | 4.00 credits |
| *9310 | ADVANCED PHYSICAL EDUCATION & PERSONAL FITNESS | Full Year | 12 | 5.00 credits |

SCIENCE DEPARTMENT 2019-20 COURSE OFFERINGS



SCIENCE DEPARTMENT ELECTIVE



SCIENCE ACADEMIC COURSES

VSCI2010 GEO SCIENCE CP (Lab) **Full Year** **9** **6.00 credits**

Prerequisite: Teacher recommendation required.

This course is designed for students who have not met expectations on their state assessments. The course is a study of the Earth operating as a set of complex, dynamic and interconnected systems, and is a part of the all-encompassing system of the universe. Course content includes astronomy, physical and historical geology, oceanography, atmospheric science, and the effect of humans on the Earth, oceans, and atmosphere. Observational and investigative activities will be integrated throughout the unity of study.

V2020 GEO SCIENCE ACP (Lab) **Full Year** **9** **6.00 credits**

Prerequisite: Teacher recommendation required.

This course is recommended for both college and career preparation. This course is a study of the Earth operating as a set of complex, dynamic and interconnected systems, and is a part of the all-encompassing system of the universe. Course content includes astronomy, physical and historical geology, oceanography, atmospheric science, and the effect of humans on the Earth, oceans, and atmosphere. Observational and investigative activities will be integrated throughout the unity of study.

VSCI2030 GEO SCIENCE HONORS (Lab) **Full Year** **9** **6.00 credits**

Prerequisite: Successful completion of Eighth Grade Advanced Science or Eighth Grade Science with teacher recommendation. It is also recommended that students earn a grade of at least 80% in the Advanced Science class or at least 90% in the Eighth Grade Science class to better ensure success in this course. Students should exceed or meet expectations on their NJSLA-Science scores.

The student can expect an enhanced detailed study of the topics covered in Geo Science CP. Observational and investigative activities will be integrated throughout the units of study. Independent research projects will be required of all students. **A summer project, including a test is required.**

VSCI2110 BIOLOGY CP (Lab) **Full Year** **10,11,12** **6.00 credits**

Prerequisites: Geo Science and teacher recommendation.

This course is designed for students who have not met expectations on their state assessments. The course is centered on the following content areas: cell structure and function, life processes, microbiology and disease, classification of animals and plants, ecology, and genetics. The systems approach is used to study the life functions of animals, plants, fungi, and protists. Emphasis will be placed on laboratory observation as related to specific units of study.

2120 BIOLOGY ACP (Lab) **Full Year** **10,11,12** **6.00 credits**

Prerequisites: Geo Science ACP.

This is a lab course designed for college and career preparation. This course is centered around the following content areas: cell structure and function, life processes, microbiology and disease, classification of animals and plants, ecology, and genetics. The systems approach is used to study the life functions of animals, plants, fungi, and protists. Emphasis will be placed on laboratory observation as related to specific units of study.

VSCI2130 BIOLOGY AP CC (Lab)* **Full Year** **10, 11, 12** **8.00 credits**

Prerequisites: Successful completion of Geo Science Honors or Geo Science ACP with teacher recommendation. It is also recommended that students earn a grade of at least 80% in the required Honors class or at least 90% in the required College Prep class to better ensure success in this course. Students should exceed or meet expectations on their NJSLA-Science scores.

This course includes all topics covered in the AP Curriculum. Therefore, students should expect a very demanding and challenging experience. **Students will have three double periods per week. A summer project is required which will be due on the first day of class. A test will be given on this material. It is expected that students enrolled in this course will apply to take the AP test.** *Fairleigh Dickinson University

2220 CHEMISTRY ACP (Lab) Full Year 11,12 6.00 credits
Prerequisites: Successful completion of Biology ACP and Algebra I ACP and Geometry ACP.

This course is recommended for college bound students who have the necessary math background, require a physical lab science for college admission. The course will provide students with an understanding of the major principles of chemistry and basic laboratory techniques as a preparation for their college studies. The course will include topics such as the nature and properties of matter, formula writing, chemical reactions, chemical equations, stoichiometry, properties of solids, liquids, and gases, acids and bases. The course is also concerned with providing students with an understanding and appreciation of the impact of chemistry and technology on their everyday lives.

VSCI2230 CHEMISTRY SUPA AP CC (Lab)* Full Year 11,12 8.00 credits
Prerequisites: Successful completion of Biology AP or Biology ACP with teacher recommendation, and Algebra II/Trig Honors. It is also recommended that students earn a grade of at least 80% in the required Honors class or at least 90% in the required College Prep class to better ensure success in this course. Students should exceed or meet expectations on their NJSLA-Science scores.

This course includes all topics covered in the AP Curriculum. Therefore, students should expect a very demanding and challenging experience. Credit is available through Syracuse University. **Students will have three double periods per week. A summer project is required which will be due on the first day of class. It is expected that students enrolled in this course will sign up to take the AP test.** *Syracuse University.

VSCI2801 PRINCIPLES OF CHEMISTRY AND PHYSICS CP (LAB) Full Year 11,12 6.00 credits
Prerequisites: Successful completion of Geo Science CP and Biology CP and teacher recommendation.

This course is designed for students who have not met expectations on their state assessments. The first half of the course will include topics such as the nature and properties of matter, formula writing, chemical reactions, chemical equations, and properties of solids, liquids, and gases, acids and bases. The second half of the course is designed to give students a basic understanding of the laws of mechanics, thermodynamics, light, electricity, and magnetism.

V2805 PRINCIPLES OF CHEMISTRY AND PHYSICS ACP (LAB) Full Year 11,12 6.00 credits
Prerequisites: Successful completion of Geo Science ACP and Biology ACP and Algebra I ACP

The first half of the course will include topics such as the nature and properties of matter, formula writing, chemical reactions, chemical equations, and properties of solids, liquids, and gases, acids and bases. The second half of the course is designed to give students a basic understanding of the laws of mechanics, thermodynamics, light, electricity, and magnetism.

VSCI2340 HUMAN BIOLOGY CP Full Year 12 5.00 Credits
Prerequisites: Successful completion of Geo Science CP, Biology CP and Principles of Chemistry and Physics CP

This course provides a basic survey of Human Biology. Emphasis is on the basic structure and functions of body systems and the terminology used to describe the body. Upon completion, students should be able to demonstrate a normal understanding of anatomy and physiology and the appropriate use of medical terminology. This course covers a general study of each organ and an overview of common abnormal physiological conditions associated with each system.

2420 PHYSICS ACP (Lab) **Full Year** **11,12** **6.00 credits**
Prerequisites: Successful completion of Algebra I ACP and a Co requisite of Algebra II ACP.

Physics is designed to give students a basic understanding of the laws of mechanics, thermodynamics, light, electricity, magnetism, and other concepts of modern physics. Problem solving, application of concepts, and laboratory activities will be integral components of the course.

VSCI2431 PHYSICS SUPA CC (Lab)* **Full Year** **12** **6.00 credits**
Co-requisite: Calculus. Successful completion of Chem SUPA or Chem ACP with teacher recommendation. It is also recommended that students earn a grade of at least 80% in the required Honors class or at least a 90% in the required College Prep class to better ensure success in this course. Students should exceed or meet expectations on their NJSLA-Science scores.

This course will involve an expanded study of all the topics covered in Physics CP but with more rigor in concepts and problem-solving. Students should have strong mathematical and reasoning skills. Students are not expected to have prior knowledge of calculus; needed calculus skills will be taught as the course progresses. A summer assignment is required which will be due on the first day of class. A quiz will be given on this material. It is also recommended that students earn a grade of at least 80% in their previous science honors class or at least 90% in their previous science college prep class. **Syracuse University.*

VSCI2435 SCIENCE RESEARCH HONORS **3/4 Year** **12** **3.75 credits**
Co-requisite: Physics SUPA or Organic/Biochemistry Honors.

This class is designed to guide students into the intellectual rigor of active science research generated from their own interests and experiences. Students will be required to design and conduct a research project and present their findings to their class and school district. Students will also be required to participate in student science competitions. This course is taken on a Pass/Fail basis.

VSCI2530 ORGANIC/BIOCHEMISTRY HONORS CC (Lab)* **Full Year** **12** **6.00 credits**
Prerequisites: Successful completion of Chemistry AP or Chemistry ACP with teacher recommendation. It is also recommended that students earn a grade of at least 80% in the required Honors class or at least a 90% in the required College Prep class to better ensure success in this course. Students should exceed or meet expectations on their NJSLA-Science scores.

This course is designed for the enthusiastic science student wishing to pursue knowledge beyond basic chemistry. Laboratories are an integral part of the course of study. The major emphasis is on the nature and behavior of carbon based compounds and the implications of their reactions in relationship to the life processes. The course is highly recommended for those students who anticipate entering the chemical, medical, and health related fields. **A summer project is required which will be due on the first day of class and be weighted as a major grade.** It is also recommended that students earn a grade of at least 80% in the required Honors class or 90% in the required College Prep class to better ensure success in this course. **Fairleigh Dickinson University.*

2611 ENVIRONMENTAL SCIENCE ACP CC (Lab) **Full Year** **11,12** **6.00 credits**
Prerequisites: Successful completion of Biology, Geo Science, Chemistry or Principles of Chemistry and Physics
Co-requisite for Juniors: Chemistry or Principles of Chemistry and Physics.

Environmental Science CP uses concepts and information from ecology, biology, physical science, politics, economics, and more, to examine the role of humans on the earth. The students examine the relationships between living organisms and their environment, and use this to understand how the earth's life-support systems are being affected by human impact.

2730 ENVIRONMENTAL SCIENCE AP (Lab)**Full Year****11,12****6.00 credits**

Prerequisites: Successful completion of Biology AP and a co-requisite of Chemistry AP with a minimum grade of 80%; or successful completion of Biology ACP with teacher recommendation and a co-requisite of Chemistry ACP with a minimum average of 90%

The course is designed to give students a solid background in Environmental Science. An in depth review of the following topics will be presented: Ecosystems, Populations, Soil Resources, Water Resources, the Atmosphere, Pollution and Environmental Problems, Recycling, Pests and Pest Management, and Energy Resources. **A summer project is required which will be due on the first day of class. A test will be given on this material. It is expected that students enrolled in this course will apply to take the AP test.** It is also recommended that students earn a grade of at least 80% in the required Honors class or at least 90% in the required College Prep class to better ensure success in this course. Students should exceed or meet expectations on their NJSLA-Science scores.

VSCI2941 FORENSIC SCIENCE/SUPA CC (LAB)***Full Year****11,12****6.00 credits**

Prerequisites: Successful completion of Biology ACP and Chemistry ACP or a co-requisite of Chemistry ACP. It is also recommended that students earn a grade of at least 80% in the required Honors class or at least a 90% in the required College Prep class to better ensure success in this course. Students should exceed or meet expectations on their NJSLA-Science scores.

Forensic Science Honors is focused upon the application of scientific methods and techniques to crime and law. Recent advances in scientific methods and principles have had an enormous impact upon law enforcement and the entire criminal justice system. This course is intended to provide an introduction to understanding the science behind crime detection. Scientific methods specifically relevant to crime and analysis will be presented with emphasis placed upon the techniques used in evaluating physical evidence. Topics included 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. Laboratory exercises will include techniques commonly employed in forensics investigations. **Syracuse University.*

Allied Health Program

We are pleased to offer this program, which will offer basic college-level science courses needed for most health-related careers. In addition to the courses, there will be a clinical shadowing component and partnerships with local medical professionals and with Rutgers. The program will also provide support to students in the decision making process as they explore future careers. Together, these components are expected to enhance the students experience and provide a solid foundation for students to embark on their health science professions.

We have established a concurrent agreement with Rutgers University, which allows us to offer the following Rutgers classes:

- Dynamics of Health Care in Society (3 credits)*
- Pharmacy Tech/Medical Math CP (3 credits)*
- Anatomy and Physiology CP (Anatomy One- 4 credits)*
- Anatomy and Physiology Honors (Anatomy One and Two- 8 credits)*
- Emergency and Clinical Care/Fundamentals of Health & Wellness (5 credits)*

In order to receive credit from Rutgers University, students must take Dynamics and at least one other class and complete a clinical shadowing experience. Students will be required to take an online final exam in order to receive the college credit. The cost of the exam is currently \$30.00 and there is currently no charge for the Rutgers College Credits.

Students who complete three of the Rutgers classes and the clinical shadowing component are eligible to receive a CTE Certificate in Allied Health.

VSCI2971 DYNAMICS OF HEALTH CARE IN SOCIETY HONORS CC* Full Year 10,11,12 5.00 credits

Prerequisites: Successful completion of Geo Science Honors with a grade of 80% or Geo Science ACP with a grade of 90% and teacher recommendation.

Dynamics of Health Care in Society is an orientation to health care and delivery, from an interdisciplinary perspective, with a focus on process skills to include critical thinking, ethical reasoning, effective communication, and self-directed learning abilities. The professional competencies stress application to general issues and topics common to all health care providers. Emphasis is placed on the role of the health care practitioner as both provider and consumer of health care services.

**Rutgers University 3 credits*

VPHA2000 PHARMACY TECH/ MEDICAL MATH ACP Full Year 12 5.00 credits

Prerequisites: Successful completion of Algebra II ACP and Chemistry ACP

This course will provide a background in pharmacology to students interested in pursuing a health related career. Students will investigate the duties of a pharmacist, drugs and drug therapy and the dispensing process. Students will be provided with the mathematical background needed for the study of pharmacology and other health professions. Students will be prepared to take the Pharmacy Technician certification exam, which most pharmacy employers prefer and often mandate for their employees. *In order to receive college credit from Rutgers University, students must complete Dynamics of Biomedical Health Care before they graduate. *Rutgers University 3 credits*

VSCI2320 ANATOMY & PHYSIOLOGY ACP CC (Lab)* Full Year 11,12 6.00 credits

Prerequisites: Successful completion of Biology ACP with a grade of 80% or higher or successful completion of Biology ACP with a grade of 90% and teacher recommendation. Students should exceed or meet expectations on their NJSLA-Science scores.

This course includes an in-depth study of the anatomy and physiology of the human body. Parts of the human body are studied in detail with special attention to cells, tissues, organs and organ systems. Laboratory activities are included in the course of study. This course is strongly recommended for those students who anticipate a career in medicine and health related fields. In order to receive college credit from Rutgers, students must complete Dynamics of Biomedical Health Care before they graduate. **Rutgers University 4 credits*

VSCI2330 ANATOMY & PHYSIOLOGY HONORS CC (Lab)* Full Year 11,12 6.00 Credits

Prerequisites: Successful completion of Biology AP or Biology ACP with teacher recommendation. It is also recommended that students earn a grade of at least 80% in the required Honors class or at least 90% in the required College Prep class to better ensure success in this course. Students should exceed or meet expectations on their NJSLA-Science scores.

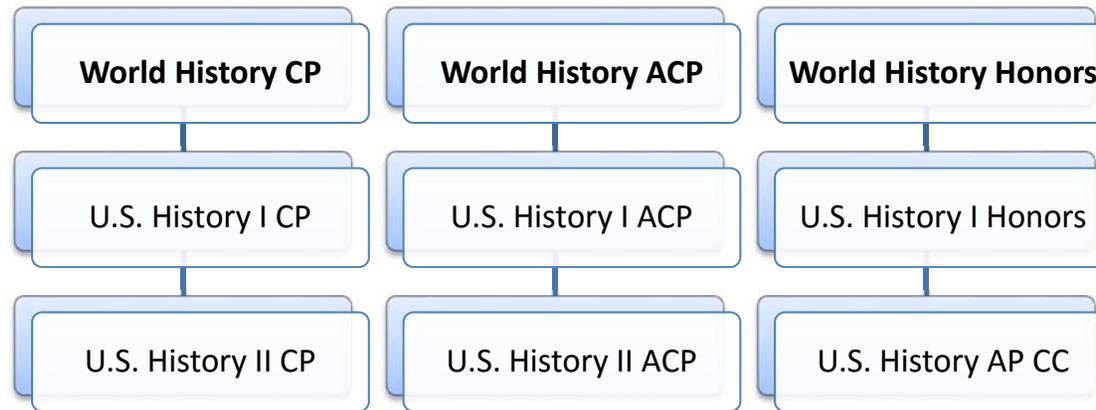
This course includes an in-depth study of the anatomy and physiology of the human body. Parts of the human body are studied in detail with special attention to cells, tissues, organs and organ systems. Laboratory activities are included in the course of study. This course is strongly recommended for those students who anticipate a career in medicine and health related fields. In order to receive college credit from Rutgers, students must complete Dynamics of Biomedical Health Care before they graduate. **Rutgers University 8 credits*

**VPED9420 CLINICAL EMERGENCY CARE/
FUNDAMENTALS OF HEALTH & WELLNESS Full Year 11, 12 5.00 Credits**

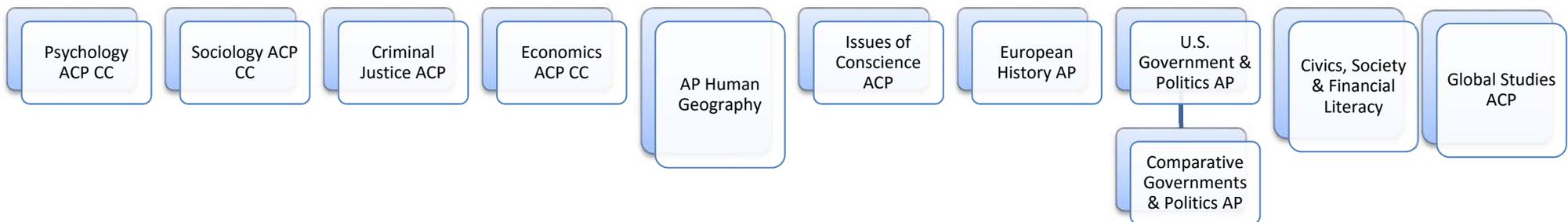
Emergency and Clinical Care is a course that deals with emergencies before medical help arrives. The course is designed to give the students the knowledge of how to recognize and respond to an emergency. The intent of the course is to help the student feel more confident in his/her ability to act appropriately in the event of an emergency. Fundamentals of health and wellness provides a comprehensive overview of health and wellness. The impact of lifestyle choices on all aspects of personal health including physical, mental, emotional, social and environmental. The course will explore topics of nutrition, physical fitness, stress management, disease prevention, substance abuse and healthy relationships. The information and skills necessary for making informed and healthful decisions to promote wellness will be discussed with an emphasis on self-responsibility. In order to receive college credit from Rutgers, students must complete Dynamics of Biomedical Healthcare before they graduate. **Rutgers University 5 credits*

SOCIAL STUDIES DEPARTMENT

2019-20 COURSE OFFERINGS



SOCIAL STUDIES DEPARTMENT ELECTIVES



REQUIRED SOCIAL STUDIES COURSES

1010 WORLD HISTORY CP **Full Year 9 5.00 credits**
World History is a required course for ninth graders.

The course gives a general overview of World History from the European Age of Exploration to modern times. This course places special emphasis on reading and writing skills and the use of informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSLS).

1020 WORLD HISTORY ACP **Full Year 9 5.00 credits**
World History is a required course for ninth graders.

This course is offered to ninth grade students whose selection is based upon teacher recommendation/past achievement. Although the historical periods studied are the same as the World History course, this course is designed with emphasis given to the development of research skills through the study of history. Students will be required to complete research in the various units of study throughout the year. This course will use informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSLS).

VSOS1030 WORLD HISTORY HONORS **Full Year 9 5.00 credits**
World History is a required course of ninth graders. Students should exceed or meet expectations on their NJSLA scores.

This course reviews key historical time periods and significant events that have shaped Africa, the Americas, Asia and Europe. Enrollment in this course is by departmental recommendation/past achievement. Cultural, institutional, and technological precedents, along with geography, are the foundations for this course. Greater understanding of the evolution of global societies will be developed through a combination of factual information and analysis. This course will use informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSLS). **A summer project is required which will be due on the first day of class and graded as a major test.**

VSOS1210 U.S. HISTORY I CP **Full Year 10 5.00 credits**
U.S. History is a required course for all tenth graders.

This course satisfies the first year of the State of New Jersey's requirements for United States History. It covers the period of United States History which begins with the American colonial period and concludes with the closing of the frontier in the 1870's - 1880's. This course places special emphasis on reading and writing skills and the use of informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSLS).

1220 U.S. HISTORY I ACP **Full Year 10 5.00 credits**
U.S. History is a required course for all tenth graders.

This course is offered to tenth grade students whose selection is based upon teacher recommendation/past achievement. Also considered is student interest in history and willingness to accept the additional challenge offered by the course. Although the historical periods studied are the same as the U.S. History I course, the students are given more time and freedom to consider the impact of ideas and conflicting interpretations on the nature and origin of American political, social, and economic institutions. Position papers and research reports, per marking period, on various ideas and interpretations studied will be required. This course will use informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSLS).

VSOS1230 U.S. HISTORY I HONORS **Full Year 10 5.00 credits**
U.S. History is a required course for all tenth graders. Students should exceed or meet expectations on their NJSLA scores.

Enrollment in this course is by departmental recommendation/past achievement. The areas studied are the same as U.S. History I College Prep, but issues, ideas and interpretations are studied in more depth. Considerable research is required. This course will use informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSL). **A summer project is required which will be due on the first day of class and graded as a major test.**

Prerequisite to All U.S. History II Courses: Completion of U.S. History I Requirement

VSOS1310 U.S. HISTORY II CP **Full Year 11,12 5.00 credits**

This course fulfills state requirements in New Jersey for United States History. It covers the study of the United States from the Age of Industrialization in the late 1800's, through contemporary American topics. This course places special emphasis on reading and writing skills and the use of informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSL).

1320 U.S. HISTORY II ACP **Full Year 11,12 5.00 credits**

This course satisfies the second year of the State of New Jersey's requirement for United States history. This course is offered to eleventh grade students whose selection is based upon teacher recommendation/past achievement. Also considered is their interest in history and a willingness to accept the additional challenge and research requirements. The topics studied include all of those covered in U.S. History II; however, greater consideration is given to conflicting ideas and theories on these topics as revealed in the student's research and discussion in class. Position papers and research reports on various ideas and interpretations studied are required. This course will use informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSL).

1330 U.S. HISTORY AP CC* **Full Year 11,12 5.00 credits**

This course satisfies the second year of the State of New Jersey's requirement for United States history. Enrollment in this course is by departmental recommendation/past achievement. This course is taught at a college level. The student is required to write and to make oral presentations frequently on U.S. History topics under study. Writing assignments include document-based essay questions, free response essays, thesis statements and research, etc. The course of study follows the recommendations established by the AP Program. This course will use informational text readings/activities to keep in line with New Jersey Student Learning Standards (NJSL). **A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will apply to take the AP test. *Seton Hall University**

ACADEMIC ELECTIVES

VSOS1500 CRIMINAL JUSTICE ACP **Full Year** **10,11,12** **5.00 credits**
Prerequisites: World History

The focus of this course is to examine the American criminal justice system and the agencies and processes that constitute it. Topics covered will include: criminal law, the police and court system, juvenile crime, the prison system, categories of crime, due process, terrorism, gangs, hate crimes, corrections, cybercrime, and careers in criminal justice. This course will explore the dynamic field of criminal justice and the ever-evolving nature of crime.

VSOS1430 CIVICS & SOCIETY ACP **Full Year** **9,10,11,12** **5.00 Credits**

This elective is designed to empower students to take a more active role in their community. The course will build positive and productive citizenship skills by analyzing civil rights, financial responsibilities, the function of the American Government and the democratic process. Topics such as free speech, states' rights, responsible citizenship, political participation, civil rights and financial literacy will be explored. Students will acquire a base of knowledge which will enable them to be more active and responsible citizens- essential for these young adults, in order to serve as contributing members of society in the 21st century. **This course fulfills the financial literacy requirement needed for graduation.**

VSOS1420 GLOBAL STUDIES ACP **Full Year** **10,11,12** **5.00 Credits**

This course will examine different regions of the world through looking at current events, movies, art, and music. Students will examine the nature of real vs. perceived history and investigate various conditions within different global regions. The goal of the course is to raise awareness of the current state of global affairs, spark interest in the study of history, as well as better understand the world in order to become active members within society.

VSOS1540 ECONOMICS ACP **Full Year** **11,12** **5.00 Credits**

This course is designed to introduce students to the vital and basic concepts of economic systems and decision making. Topics of study include supply and demand, features of the American economy, credit, savings and the stock market. Ultimately, students in Economics should expect to have a clearer sense of the economic world in which they participate as well as an enhanced ability to make more informed decisions. **This course fulfills the financial literacy requirement needed for graduation.**

1461 ISSUES OF CONSCIENCE ACP **Full Year** **11,12** **5.00 credits**

The Holocaust of World War II and acts of genocide in the past and the present will be studied as questions of individual conscience and responsibility are raised. The problems of individual identity in a modern state and individual role in modern society are examined as we study acts of humanity and inhumanity and the consequences of those actions for all of us. Throughout the course, the roles of individuals and groups are analyzed to identify choices made by each and the impact of those choices upon the events that followed.

1431 PSYCHOLOGY ACP CC * **Semester** **11,12** **2.50 credits**

The purpose of this course is to introduce students to the study of human behavior: i.e., examine the biological bases of behavior, evolutionary psychology, perception, learning, cognition, motivation, development (life span), personality theories, psychological tests and measurements, social psychology, psychopathology, psychotherapy, and provide a foundation for those interested in the behavioral sciences and/or human service occupations. Upon completion of this course students will

better understand themselves and others. Students will also be well prepared if they plan to major in psychology and be able to complete a research paper for college. This course will be paired with Sociology CP and or Personality Theories CP. Students must complete all requirements as well as assignments and projects as assigned by the teacher. **This course will be paired with Sociology CP *Seton Hall University.**

1521 SOCIOLOGY ACP CC* Semester **11,12** **2.50 credits**

This course will develop the process of scientific observations and analysis of social behavior. The basic concepts of sociology that will be studied will provide the student with a greater awareness of others and the way each of us chooses to exist in this society. Specific areas of discussion will include culture, personality, roles, social organizations such as the family, institutions and associations, race and ethnic relations, the community and social change. The student will be expected to participate in group activities and gain experience in research techniques, individually and as part of a group. **This course will be paired with Psychology CP. *Seton Hall University.**

ADVANCED PLACEMENT COURSES

VSOS1564 Human Geography AP Full Year **9, 10,11,12** **5.00 Credits**

The focus of this course is to encourage students to utilize spatial concepts and analysis to examine the connection between human populations and the environment. Enrollment in this course is by departmental recommendation/past achievement. Topics of study include the interplay between culture and the physical world, population growth, cultural evolution, cultural diffusion, the historical movement of people and ideas and the globalization of culture. This course is taught at a college level. The knowledge and skills needed, will be more complex and at a higher level of difficulty than those required in the CP level classes. **A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP test.**

1605 EUROPEAN HISTORY AP Full Year **11,12** **5.00 credits**

The study of European History since 1450 introduces students to cultural, economic, political and social developments that played a fundamental role in the shaping of the world. Enrollment in this course is by departmental recommendation/past achievement. This course will help develop an understanding of some of the principle themes in Modern European History. Students will develop an ability to analyze historical evidence, historical interpretation and an ability to express historical understanding in writing. This course is taught at a college level. The knowledge and skills needed, will be more complex and at a higher level of difficulty than those required in the CP level classes. **A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP test.**

1600 UNITED STATES GOVERNMENT & POLITICS AP Full Year **10, 11,12** **5.00 credits**

This course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. Enrollment in this course is by departmental recommendation/past achievement. Student will be required to write frequently on the topics under study including document-based essay questions, free response essays, thesis statements and research, etc. Students will be required on a regular basis to read and interpret primary source documents and secondary materials such as maps, charts, posters, political cartoons, etc. and work with the art of historical analysis. This course is taught at a college level. The knowledge and skills needed, will be more complex and at a higher level of difficulty

than those required in the CP level classes. **A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP test. This course is offered on even numbered years (Fall – 2020, Fall -2022).**

V1620 COMPARATIVE GOVERNMENTS & POLITICS AP Full Year 10,11,12 5.00 credits

The focus of this course is an in-depth analysis of the forces and concepts behind the various ideologies which have arisen in history and examines the interplay of these forces in the world of international politics.

Enrollment in this course is by departmental recommendation/past achievement. An evolutionary examination of these political ideologies will be provided including the building of a theoretical foundation involving both institutional and behavioral factors. The students will be required to write frequently on the topics under study. These will include document-based essay questions, free response essays, thesis statements and research, etc. This course is taught on a college level. The knowledge and skills needed will be more complex and at a higher level of difficulty than those required in CP level classes. **A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP test. This course is offered on odd-numbered years (Fall 2019, Fall 2021)**

SPECIAL SERVICES

COMPREHENSIVE EDUCATION PROGRAMS

The Comprehensive Education Program offered through the Special Services Department is designed to prepare students for independent adult lives. Emphasis is placed on the development of skills needed to function competently in the job world and in the community. The focus of the curriculum will be to prepare students to demonstrate proficiency in the New Jersey Student Learning Standards as measured by the NJSLA or Dynamic Learning Maps. Functional academics in the areas of Language Arts, Mathematics, Science and Social Studies will be infused into the curricula to concretely show the application of these skills in real-life applications. In addition, these courses will teach the personal skills and strategies students will need to develop inter/intrapersonal competencies necessary for coping with various life experiences. Students will have opportunities to explore and develop friendships, experiment with a variety of social roles, and to experience control over their lives and responsibility for their actions.

VSPS9440 PREPARATION FOR LIFE SKILLS (Pre-DILS) Full Year 9,10,11,12 5.00-20.00 credits
(requires one to four class periods)

This course is conducted in a self-contained environment and will lead to students being instructed in the fundamentals of living in the world today. It is open only to those who have the recommendation placed in their IEP.

The program offers a variety of courses in the major subject areas of Mathematics, English, Science and Social Studies. These courses have been modified to provide the opportunity of academic success for students who have demonstrated the need for replacement instruction.

VSPS9420 DEVELOPING INDEPENDENT LIFE SKILLS Full Year 9,10,11,12 5.00-10.00 credits
(requires one or two class periods)

This course will emphasize the development of self-help skills necessary for participating fully in all areas of the home environment critical for functioning as an independent adult. Students will learn personal management skills such as budgeting and developing an ability to determine essential needs versus non-essential items. This course will be based on a simulated work environment to introduce, practice and review pre-vocational and vocational skills.

Academics in the areas of Language Arts, Mathematics, Science and Social Studies which are fundamental to the development of independent life skills have been infused into the curriculum of this course.

VSPS9506 CAREER/VOCATION Full Year 9,10,11,12 5.00 credits

This course will focus on the educational stages of career development: awareness, exploration, preparation and training. Students will demonstrate the academic and skill training necessary to obtain and maintain a job. Some of the topics students will study are: effective communication on the job, completing job applications, appropriate dress and behavior for an interview and/or job, and selecting appropriate employment. Academics in the areas of Language Arts, Mathematics, Science and Social Studies which are fundamental to the study of careers and in the development of skills and attitudes necessary for success in the work world have been infused into the curriculum of this course.

VSPS9400 PREPARATION FOR CITIZENSHIP Full Year 9,10,11,12 5.00 credits

This course will utilize and study environments frequented by students and families to facilitate generalizing skills into real-life situations. Proper behavior in public places, using public transportation, developing an awareness of physical wellness, and learning about citizenship rights and responsibilities are just a few of the topics studied in this course. Academics in the areas of Language Arts, Mathematics, Science and Social Studies which are fundamental to the study of citizenship have been infused into the curriculum of this course.

VSPS9450 SURVEY OF THE ARTS **Full Year** **9,10,11,12** **5.00 credits**
 Prerequisite: Teacher Recommendation.

This course is designed to meet the needs of students who have difficulty in the mainstream areas of music, art, and career and technical education but have an interest in these electives. The course will incorporate the use of academics in order to develop students' creativity, and expand abstract thought processes. This course will emphasize a life skills approach in each area. New Jersey Student Learning Standards will be addressed as prescribed within the student's IEP.

VSPS9507 (SPS) FINANCIAL LITERACY **Semester (Fall)** **9,10,11,12** **2.50 credits**

This course is designed to promote personal and financial responsibility related to financial planning, savings, investment, and charitable giving in the global economy. Students will learn to take responsibility for personal financial decisions, summarize major consumer protection laws, develop a plan for spending and saving and developing a system for keeping and using financial records. Applying consumer skills to purchase decisions including developing a personal financial plan, maintain creditworthiness, borrow at favorable terms, and manage debt.

VSPS9442 PATHWAYS TO THE FUTURE **Semester (Spring)** **9,10,11,12** **2.50 credits**

This course invites students to explore opportunities and requirements in planning for their future goals. Students will be able to explore career goals and consider a plan and timetable including educational and training requirements, and possible costs. Students will identify personal interests and aptitudes related to careers including analyzing how economic, social-cultural, and political conditions can affect income and career potential. Students will be able to identify the educational and training requirements. Students will research how to find and apply for jobs, create a personal resume, develop interviewing techniques, and analyze the application process.

VSPS4071 MULTIMEDIA PRODUCTION/WEB DESIGN **Full Year** **9,10,11,12** **5.00 Credits**

Students will learn how to use a variety of multimedia equipment designed to create dynamic presentations and multimedia projects. Projects may include animation, interactive games, albums, webpages and brochures. Students will produce movies, documentaries and editorials using digital movie cameras and equipment.

MATHEMATICS

VSPS9595 BASIC MATH **Full Year** **9,10,11,12** **5.00 credits**

This course is designed to meet the needs of students who have difficulty in the area of mathematics and who need to further develop basic life and math skills. Students will learn basic addition, subtraction, multiplication, division, fractions and decimals. This course is designed for students who are assessed through Dynamic Learning Maps and who are exempt from taking the NJSLA.

VSPS9500 PRE-ALGEBRA **Full Year** **9** **5.00 credits**

Pre-Algebra is a required course for those students who are in need of additional math skills in order to take the High School Graduation required course of Algebra I. This course will focus on the basics of Algebra and Geometry. Terminology, vocabulary, writing, and basic operations are stressed. This course will address the NJ Student Learning Standards as prescribed in the student's IEP.

VSPS9501 ALGEBRA I **Full Year** **9,10,11** **5.00 credits**

Operational skills and concepts are developed as an out-growth of the system of real numbers. Emphasis is on the development of abstract reasoning and problem-solving skills. The components of this course are included on the NJSLA. This course will address the New Jersey Student Learning Standards as prescribed in the student's IEP.

VSPS9502 APPLIED GEOMETRY **Full Year** **10,11,12** **5.00 credits**

Prerequisite: Successful completion of Algebra I.

This course will take a practical, hands-on approach to the study of Euclidean geometry. Emphasis will be on every day applications of geometry concepts. Euclidean geometry is the core around which major themes of this course are organized. In addition, this course includes logical sequence, geometry applications of algebra, and the use of transformations and constructions. This course will address the New Jersey Student Learning Standards as prescribed in the student's IEP.

VSPS9550 COLLEGE MATH **Full Year** **11,12** **5.00 credits**

Prerequisites: Successful Completion of Algebra I and Applied Geometry

This course is designed to build upon algebra and geometry skills learned in previous classes and prepare students for success in college, career, and beyond. The course reinforces and extends the fundamentals of geometry and algebra and will focus on the Algebra Accuplacer test to cover topics including: operations with whole numbers and fractions, operations with decimals and percent's, and applications and problem solving. Students that earn above a 76 on this test will fulfill graduation requirements and place out of no credit math classes at community college. After completion of the Accuplacer exam students will study a variety of probability, statistics and algebra II concepts.

ENGLISH

VSPS 9612 LIFE SKILLS ENGLISH **Full Year** **9,10,11,12** **5.00 credits**

This course is designed to meet the needs of students who have difficulty in English and who need to further develop basic life reading and writing skills. Students will focus on site vocabulary, decoding and basic writing skills necessary for career and vocational readiness. This course is designed for students who are assessed through the Dynamic Learning Map Assessment process and who are exempt from taking the NJSLA.

VSPS9605 ENGLISH I **Full Year** **9** **5.00 credits**

This is a recommended English course for those ninth grade students identified by the IEP Team as having difficulty in mastering grade level reading and writing skills. This course will focus on providing high interest literary selections and a comprehensive language skills program. Emphasis will be placed on fulfilling the New Jersey Student Learning Standards assessed on the NJSLA as prescribed in the student's IEP.

VSPS9606 ENGLISH II **Full Year** **10** **5.00 credits**

This is a required English course for those tenth grade students who have been identified by the IEP Team as having difficulty mastering grade-level reading and writing skills. This course will focus on high interest literary selections and a comprehensive language skills program. Emphasis will be placed on fulfilling the New Jersey Student Learning Standards assessed on the NJSLA as prescribed in the student's IEP.

VSPS9607 ENGLISH III **Full Year** **11** **5.00 credits**
 This is a required English course for those eleventh grade students who have been identified by the IEP Team as having difficulty mastering grade-level reading and writing skills. This course will focus on high interest literary selections and a comprehensive language skills program. This course will address the New Jersey Student Learning Standards as prescribed within the student’s IEP.

VSPS9609 ENGLISH IV **Full Year** **12** **5.00 credits**
 This course is a continuation of the English III course. Continued emphasis is placed on strengthening basic skills in reading, writing and in public speaking. Students will have the opportunity to work closely with their teacher to develop essential communication skills necessary for independent living as adults. This track will address the New Jersey Student Learning Standards as prescribed within the student’s IEP.

SCIENCE

VSPS9701 GEO SCIENCE (With Lab) **Full Year** **9** **6.00 credits**
 This course is a study of the earth and the physical and chemical laws that govern it. Course content includes astronomy, physical and historical geology, oceanography, atmospheric science and the effect of humans on the earth, oceans, and the atmosphere. Observational and investigative activities will be integrated throughout the units of study. This course will address the Next Generation Science Standards as prescribed within the student’s IEP.

VSPS9710 BIOLOGY (With Lab) **Full Year** **10,11,12** **6.00 credits**
 Students will study topics such as the structure of living things, the human body, simple to complex animals, simple to complex plants, living processes, microbiology and the organism in relation to its environment. Special attention will be given to the development of reading and study skills in the content area as well as the Next Generation Science Standards as prescribed in the student’s IEP.

VSPS9720 PRINCIPLES OF CHEMISTRY AND PHYSICS (With Lab) **Full Year** **11,12** **6.00 credits**
 Prerequisites: Successful completion of Geo Science and Biology

Course content and activities in this class will cover the major topics in both chemistry and physics. This course will address the Next Generation Science Standards as prescribed in the student’s IEP.

VSPS9520 SCIENCE FOR LIFE **Full Year** **11,12** **5.00 credits**
 Prerequisite: 2 years of Science

Science for Life is designed for those students who have successfully completed courses in Geo Science and Biology. **This course is in addition to the science requirement of three years of science for a high school diploma (elective only).** Each student must demonstrate a minimum competency level of 65%. Competencies will be measured by way of evaluation program consisting of teacher observations of student performance, tests, quizzes, laboratory work, homework, projects, reports, class participation, as well as class attendance in accordance with the high school’s attendance policy.

Topics will include but are not limited to: Measurement, Nutrition, Weather, Landscaping and Horticulture. In this program, students are introduced to various topics that will guide them in using science in everyday life. Emphasis will be placed on hands on application of concepts.

SOCIAL STUDIES

VSPS9800 WORLD HISTORY **Full Year** **9** **5.00 credits**
This course gives a general overview of world history from the European age of exploration to the Modern period. Emphasis will be placed on individualizing instruction to enhance the potential for academic success. Activities and assignments are designed to improve basic reading, writing, and organizational skills. This course will address the New Jersey Student Learning Standards as prescribed within the student's IEP.

VSPS9810 U.S. HISTORY I **Full Year** **10,11,12** **5.00 credits**
This course satisfies the first year of the state of New Jersey requirements for United States History. The course begins with a study of the early Indian civilizations and concludes with the closing of the frontier in the 1870's - 1880's. Emphasis will be placed on individualizing instruction to enhance the potential for academic success. Activities and assignments are designed to improve reading, writing, organizational skills, and public speaking. This course will address the New Jersey Student Learning Standards as prescribed within the student's IEP.

VSPS9820 U.S. HISTORY II **Full Year** **11,12** **5.00 credits**
This course fulfills state requirements in New Jersey for United States History. The course begins with a study of the Age of Industrialization and ends in modern time. Emphasis will be placed on individualizing instruction to enhance the potential for academic success. Activities and assignments are designed to improve reading, writing, organizational, and public speaking skills. This course will address the New Jersey Student Learning Standards as prescribed within the student's IEP.

WORLD LANGUAGE

VSPS3204 SURVEY OF WORLD LANGUAGE **Full Year** **9,10,11,12** **5.00 credits**
The purpose of this course is the exploration and exposure of the students to basic language concepts in German, French, Spanish, and Italian. The students will learn how to count, name colors, the days of the week, months, basic weather vocabulary, etc. The main focus however, is the cultural component of the class which allows the students to explore language through a variety of hands-on activities like baking, crafts, singing, and a variety of internet based tasks.

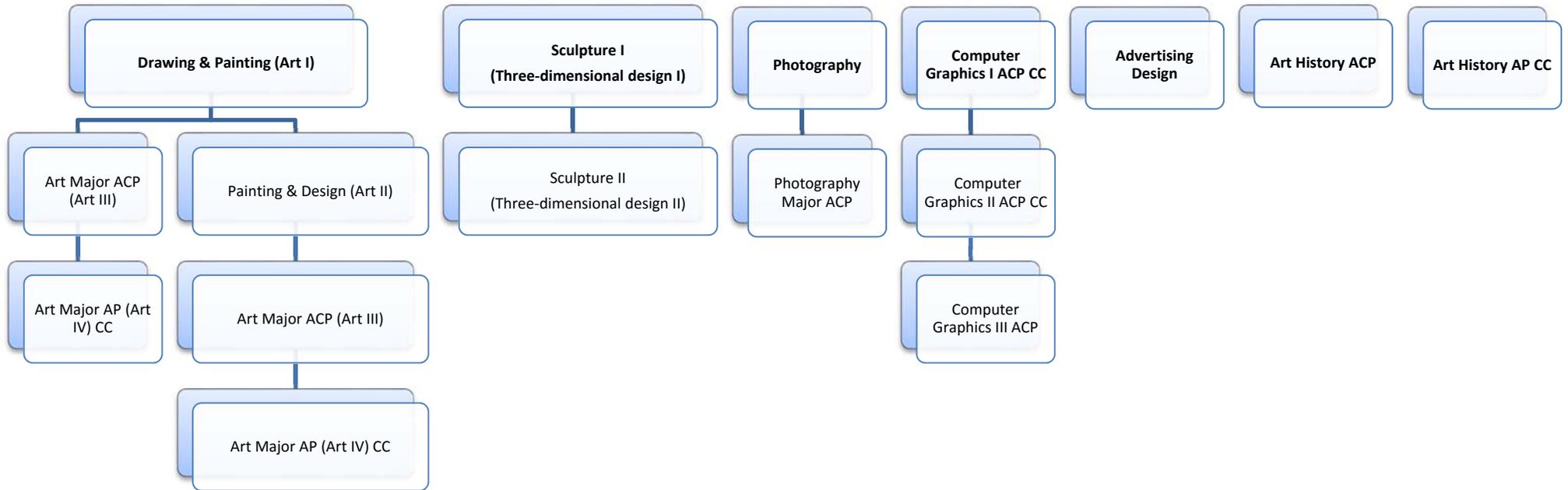
VSPS SPANISH **Full Year** **9,10,11,12** **5.00 Credits**
This is proficiency and communicative based approach to learning a world language. Communication and acquiring cultural knowledge will be stressed. This course is designed only for those students desiring to meet the state mandated world language requirements for graduation.

SUPPLEMENTAL INSTRUCTION

VSPS99630 STUDY SKILLS **Full Year** **9,10,11,12** **5.00 credits**
This course provides reinforcement of skills taught in Science, Math, English, and History general education classes. Students will receive assistance in completing assignments and taking tests. This course is designed to help students to be more successful in their general education courses.

VISUAL ARTS DEPARTMENT

2019-20 COURSE OFFERINGS



6040 ART HISTORY AP CC* **Full Year** **10,11,12** **5.00 credits**
Prerequisite: Students must be willing to work at a challenging academic “advanced placement” (college) level.

The Art History AP course is designed to provide the same benefits to students as those provided by an introductory college course in art history. The focus of the course is on developing an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. In this course, students examine major forms of artistic expression from the past and present from a variety of cultures. Students will learn to look at art critically, with intelligence and sensitivity, and to analyze what they see. The class includes detailed preparation for the Art History Advanced Placement Examination. **A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will sign up to take the AP exam. *Fairleigh Dickinson University**

6100 ART MAJOR ACP (ART III) **Full Year** **11,12** **5.00 credits**
Prerequisites: At least two previous art courses, one being Drawing and Painting (Art I) or instructor approval.

Each student will work independently on assignments in selected areas of fine arts with the direction of the instructor. Art research and readings are an integral part of the course. The students must participate in art shows as exhibitors whenever possible and will be expected to design and install mini-exhibits. The art major program is provided for those students who love the making of art and plan to attend art school, study art on the university level, or work directly in the art field or a related field. Important objectives of the course are to develop a complete portfolio that may be used for job or school applications and to maintain a sketchbook. Each student will receive a sketchbook which will primarily be used for artwork outside of the classroom (homework). There will be a \$20 studio fee due to the material expense related to portfolio development.

6120 ART MAJOR AP (ART IV) CC* **Full Year** **12** **5.00 credits**
Prerequisite: Art Major ACP (Art III).

This Advanced Placement course is designed to provide a near authentic college class experience as well as the opportunity to earn college credit. Each student is expected to adhere to the digital portfolio requirement of the class. The portfolio is comprised of three components all showcasing the student’s original work: the quality section holds the student’s absolute best works (5 minimum), 12 works of various media for the breadth section and 12 works to demonstrate a theme specific exploration for the concentration section. The portfolio is submitted to the College Board AP for evaluation in May. As in all AP courses, summer assignments are given out the previous June and are expected for turn in the first week back to school in September. There is a \$20 studio fee assessed due to the material expense related to portfolio development. **It is expected that students enrolled in this course will sign up to take the AP exam. *Fairleigh Dickinson University**

V6219 PHOTOGRAPHY **Full Year** **9,10,11,12** **5.00 credits**
Prerequisites: It is imperative that each individual student has access to their own digital camera in order to complete home assignments.

This course is for the beginner digital photographer and is meant to help you master your digital camera so that you can begin to shoot in the manual mode. You will learn the basics of Digital Photography which includes a brief history of photography, composition and design elements, understanding camera settings, apertures and shutter speeds; all things necessary to produce a quality image. Students taking this course must be willing to work with technical equipment and Adobe Photoshop. If you do not own a digital camera, you will be able to sign out one from the High School to use.

6220 PHOTOGRAPHY MAJOR ACP **Full Year** **10,11,12** **5.00 credits**
 Prerequisite: Photography and a 35mm camera.

Each student will work independently in selected areas of fine and commercial photography with the approval of the instructor. Research and readings are an integral part of the course. The student is encouraged to study contemporary photography through reading journals, magazines, books and by attending gallery and museum shows. Students will be expected to participate in shows as exhibitors whenever possible and to design mini- exhibits. An important objective will be to develop a portfolio of high quality photographs that reflect a personal vision or direction as well as technical and artistic skills. There will be a \$20 studio fee due to the material expense related to portfolio development.

6310 ADVERTISING DESIGN **Full Year** **12** **5.00 credits**
 Prerequisites: Permission of the instructor and letter of recommendation from a teacher in your area of strength

Development of the modern theme, the structure of a book, layout design, graphics, typography, reporting, writing copy, editing, proofreading, cropping, photography, and word processing are taught in the process of publishing the high school yearbook. A balanced budget with its record keeping and financial campaigns are included. Good typists, writers, artists and photographers are especially welcome.

VVIA6040 COMPUTER GRAPHICS I ACP **Full Year** **9,10,11,12** **5.00 credits**

Computer Graphics ACP offers experience in working with computers and computer art applications. The students explore a variety of programs and disciplines of computer- generated art. The principles of design are studied for the planning of all projects. The history of art, design, and photography are included in the program to broaden the base of each student's ideas of design and art. Students are exposed to a variety of programs that are used in the art and design world. These programs may include Adobe Photoshop, Adobe Illustrator, Animation Programs and Adobe InDesign. These are the basic types of programs that are used in all collegiate art departments and all these programs are used in photo studios, animation studios, painting studios and all advertising/design firms.

VVIA6060 COMPUTER GRAPHICS II ACP **Full Year** **10,11,12** **5.00 Credits**
 Prerequisite: Successful completion of Computer Graphics ACP CC & Instructor approval

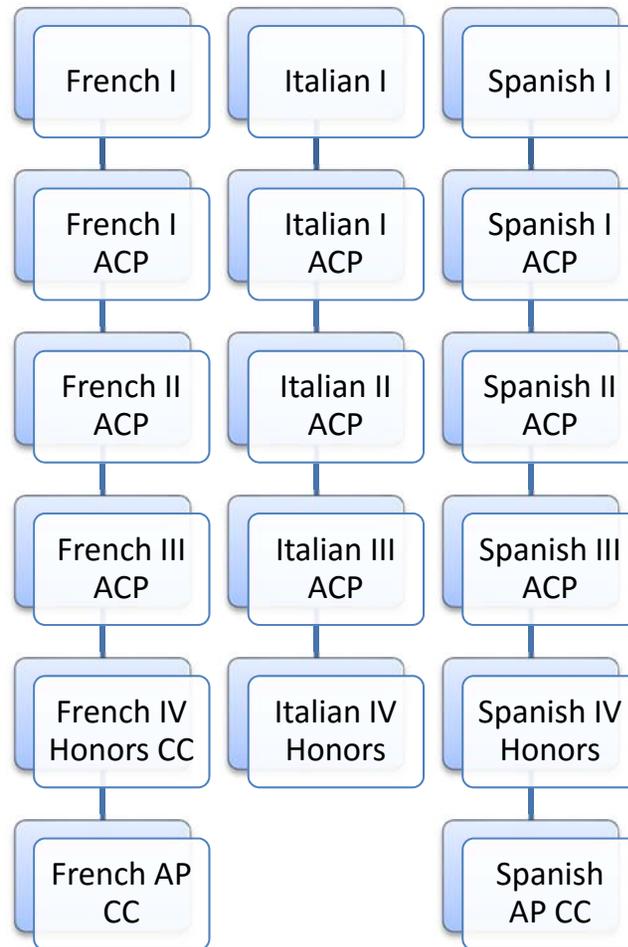
This course is designed for students who have successfully completed Computer Graphics I ACP, and who wish to further their knowledge of using the computer as a design tool. The focus of this course is to provide students with an opportunity to create, print and present polished art for a well-rounded art portfolio. Students are introduced to more complex tools and commands within the graphic software and to Video Editing Software. This software is used to produce montages and presentations, as well as advanced designed projects.

VVIA6070 COMPUTER GRAPHICS III ACP **Full Year** **11,12** **5.00 Credits**
 Prerequisite: Successful completion of Computer Graphics II ACP CC & Instructor approval

This class will be a third level advanced class, working with Illustrator & Photoshop on assignments that continue to show advanced styles and effects that may be seen in advertising, magazines, commercials, games, internet, etc. The class will also incorporate more of the design/printing processes that are part of design, which will teach cost, limitations on designs as well as budget savings. Part of the printing curriculum will also include learning how to use the banner/color printers.

WORLD LANGUAGE DEPARTMENT

2019-20 COURSE OFFERINGS



WORLD LANGUAGES

VWLA3000 FRENCH I **Full Year** **9,10,11,12** **5.00 Credits**

This is proficiency and communicative based approach to learning a world language. Communication and acquiring cultural knowledge will be stressed. This course is designed only for those students to meet the state mandated world language requirements for graduation and may not fulfill admission requirements for many four year colleges. If students wish to continue to study the language, the next level is French I ACP.

3010 FRENCH I ACP **Full Year** **9,10,11,12** **5.00 credits**

French I ACP is a proficiency and communicative-based introduction to foreign language learning. Auditory comprehension is emphasized and integrated with speaking, reading and writing. Classroom activities stress communication, cultural knowledge and interdisciplinary connections.

3030 FRENCH II ACP **Full Year** **9,10,11,12** **5.00 credits**

Prerequisite: Successful completion of French I ACP. A minimum grade of 75% in French I ACP is required or teacher recommendation.

French II ACP continues to emphasize oral communication, the ability to speak French with some fluency on various topics. There is a greater stress on reading and writing activities. Contemporary Francophone culture is studied with an emphasis on the life and customs of French speaking people.

3040 FRENCH III ACP **Full Year** **10,11,12** **5.00 credits**

Prerequisite: Successful completion of French II ACP - A minimum grade of 80% in French II ACP is required or teacher recommendation.

French III ACP is an intermediate course which continues to emphasize oral communication and the ability to speak French with greater fluency. At this time emphasis is placed on developing conversational flexibility in a range of circumstances beyond immediate survival needs. Reading and writing skills are further developed. Contemporary francophone culture is discussed through an introduction to films, music, customs and food.

VWLA3070 FRENCH IV HONORS CC* **Full Year** **11,12** **5.00 credits**

Prerequisites: Successful completion of French III ACP. Enrollment in this course is by departmental recommendation/past achievement.

French IV Honors is an advanced course which continues to perfect oral communication and the ability to speak fluently. Emphasis is placed on sustaining a sophisticated level of conversational ability. Various French historical periods and current life in France are studied. The students improve their writing ability in response to a stimulus or on a topic of their own choosing. Contemporary culture will continue to be explored. Students should be prepared for a more challenging program. **A summer project is required which will be due on the first day of class and graded as a major test. *Seton Hall University**

3090 FRENCH AP – CC* **Full Year** **12** **5.00 credits**

Prerequisite: Successful completion of French IV Honors. Enrollment in this course is by departmental recommendation/past achievement.

French AP is an advanced course designed to prepare students for the French AP Language Proficiency Exam. The course is designed to perfect the student's speaking, reading and writing skills through the study of various topics and literary works. Students should be prepared for a more challenging and demanding program with the classes conducted in the target language. **A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP test. *Seton Hall University**

VWLA3205 SPANISH I **Full Year** **9,10,11,12** **5.00 credits**

This is proficiency and communicative based approach to learning a world language. Communication and acquiring cultural knowledge will be stressed. This course is designed only for those students desiring to meet the state mandated world language requirements for graduation and may not fulfill admission requirements for many four-year colleges. If students wish to continue to study the language, the next level is Spanish I ACP.

3210 SPANISH I ACP **Full Year** **9,10,11,12** **5.00 credits**

This course is offered to students to begin to develop the skills needed for communication in Spanish: hearing and understanding, speaking, reading and writing. Students become familiar with Hispanic customs and civilization through readings and classroom activities.

3230 SPANISH II ACP **Full Year** **9,10,11,12** **5.00 credits**

Prerequisite: Successful completion of Spanish I ACP. A minimum grade of 75% in Spanish I ACP is required or teacher recommendation.

This is an intermediate course which continues to develop the skills learned in Spanish I. A review of the speaking and writing patterns is presented during the first part of the course. Later, there is a continued emphasis on auditory comprehension as well as speaking, reading and writing abilities. Students acquire an awareness of the Hispanic world from reading material dealing with the similarities and differences among the Hispanic nations. Their relationship to the U.S. is also discussed.

3240 SPANISH III ACP **Full Year** **10,11,12** **5.00 credits**

Prerequisite: Successful completion of Spanish II ACP. A minimum grade of 80% in Spanish II ACP is required or teacher recommendation.

This is an intermediate course which continues to emphasize oral communication and the ability to speak Spanish with greater fluency. At this time emphasis is placed on developing conversational flexibility in a range of circumstances beyond immediate survival needs. Reading and writing skills are further developed. Contemporary Spanish culture is explored in greater depth.

VWLA3270 SPANISH IV HONORS **Full Year** **11,12** **5.00 credits**

Prerequisite: Successful completion of Spanish III ACP with recommendation of instructor. Enrollment in this course is by departmental recommendation/past achievement.

Spanish IV Honors is an advanced course which continues to perfect oral communication and the ability to speak fluently. Emphasis is placed on sustaining a sophisticated level of conversational ability. A comprehensive survey of major literary genres, including representative authors, is presented. The student should be able to write extemporaneously as a response to stimulus or on a topic of his own choosing. Contemporary culture continues to be explored. Students should be prepared for a more challenging and demanding program. **A summer project is required which will be due on the first day of class and graded as a major test.**

3290 SPANISH AP CC* **Full Year** **12** **5.00 credits**

Prerequisite: Successful completion of Spanish IV Honors. Enrollment in this course is by departmental recommendation/past achievement.

This course is designed to provide the student with the skills and information needed to successfully complete the Spanish AP Exam in Language Structures. Students will develop conversational skills by acquiring additional vocabulary and word usage practice within the contexts of various work-related areas. Students will increase their understanding of Spanish literature by a survey of some of the most representative writers in most genres. Writing skills will be developed both practically (letters, forms, outlines, articles) and formally (literary analysis, essays). Increased understanding of the cultures

of the Spanish speaking world will also be achieved. Throughout the year, the course will adhere to the guidelines that are outlined in the course of study provided by the publishers of the AP exam. The discussions, the essays, and the cassette tapes used will prepare the students for the Spanish AP exam. All course work is done in the target language. **A summer project is required which will be due on the first day of class and graded as a major test. It is expected that students enrolled in this course will take the AP test. *Seton Hall University**

VWLA3400 ITALIAN I Full Year 9,10,11,12 5.00 credits

Italian I is a proficiency and communicative based approach to learning a world language. Communication and acquiring cultural knowledge will be stressed. This course is designed only for those students desiring to meet the state mandated world language requirements for graduation and may not fulfill admission requirements for many four-year colleges. If students wish to continue to study the language, the next level is Italian I ACP.

3410 ITALIAN I ACP Full Year 9,10,11,12 5.00 credits

Italian I ACP is a proficiency and communicative based approach to learning a world language. Auditory comprehension is emphasized and integrated with speaking, reading and writing. Classroom activities stress communication, cultural knowledge and interdisciplinary connections.

3420 ITALIAN II ACP Full Year 10,11,12 5.00 credits

Prerequisite: Successful completion of Italian I ACP. A minimum grade of 75% in Italian I ACP is required or teacher recommendation.

Italian II ACP continues to emphasize oral communication and interdisciplinary connections. This course also encourages the use of Italian with fluency in some topics. There is greater stress on reading and writing activities. The Italian culture is studied with an emphasis on the life and customs of the Italian-speaking people.

3430 ITALIAN III ACP Full Year 11,12 5.00 credits

Prerequisite: Successful completion of Italian II ACP. A minimum grade of 80 % in Italian II ACP is required or teacher recommendation.

Italian III ACP is an intermediate course continuing the emphasis on oral communication with greater proficiency in the target language. The development of conversational flexibility in a range of circumstances beyond immediate survival needs is stressed, as is reading and writing competence. Contemporary Italian culture is explored in greater depth.

VWLA3460 ITALIAN IV HONORS Full Year 11,12 5.00 credits

Prerequisites: Successful completion of Italian III ACP with recommendation of instructor. Enrollment in this course is by departmental recommendation/past achievement.

Italian IV Honors is an advanced course, which continues to perfect oral communication and the ability to speak fluently. Emphasis is placed on sustaining a sophisticated level of conversational ability. A comprehensive survey of major literary genres, including representative authors, is presented. The student should be able to write extemporaneously as a response to stimulus or on a topic of his own choosing. Contemporary culture continues to be explored. Students should be prepared for a more challenging and demanding program. **A summer project is required which will be due on the first day of class and graded as a major test.**

Course Work Requirements For NCAA Athletics and NCAA Scholarships*

Academic Standards

The NCAA Eligibility Center verifies the academic and amateur status of all student-athletes who wish to compete in Division I or II athletics.

College-bound student-athletes who want to practice, compete and receive athletically related financial aid during their first year at a Division I or II school need to meet the following requirements:

- Graduate from high school.
- Complete a minimum of 16 core courses for Division I or 14 core courses for Division II. After August 1, 2013, student-athletes who wish to compete at Division II institutions must complete 16 core courses.
- Earn a minimum required grade-point average in core courses.
- Earn a qualifying test score on either the ACT or SAT.
- Request final amateurism certification from the NCAA Eligibility Center.

For Division I student-athletes who will enroll in August 2016 and later, the requirements to compete in the first year will change. In addition to the above standards, prospects must:

- Earn at least a 2.3 grade-point average in core courses.
- Meet an increased sliding-scale standard (for example, an SAT score of 1,000 requires a 2.5 high school core course GPA)
- Successfully complete 10 of the 16 total required core courses before the start of their senior year in high school. Seven of the 10 courses must be successfully completed in English, math and science.

Prospects that earn at least a 2.0 GPA but not a 2.3 GPA and meet the current sliding scale standard (for example, an SAT score of 1,000 requires a 2.025 high school core course GPA) will be eligible for practice in the first term and athletically related financial aid the entire year, but not competition. Freshmen who are academically successful in the first term will earn the ability to continue to practice for the remainder of the year.

Division III college and universities set their own admission standards. The NCAA does not set initial eligibility requirements in Division III.

For more detail about academic requirements visit the [Eligibility Center](#).