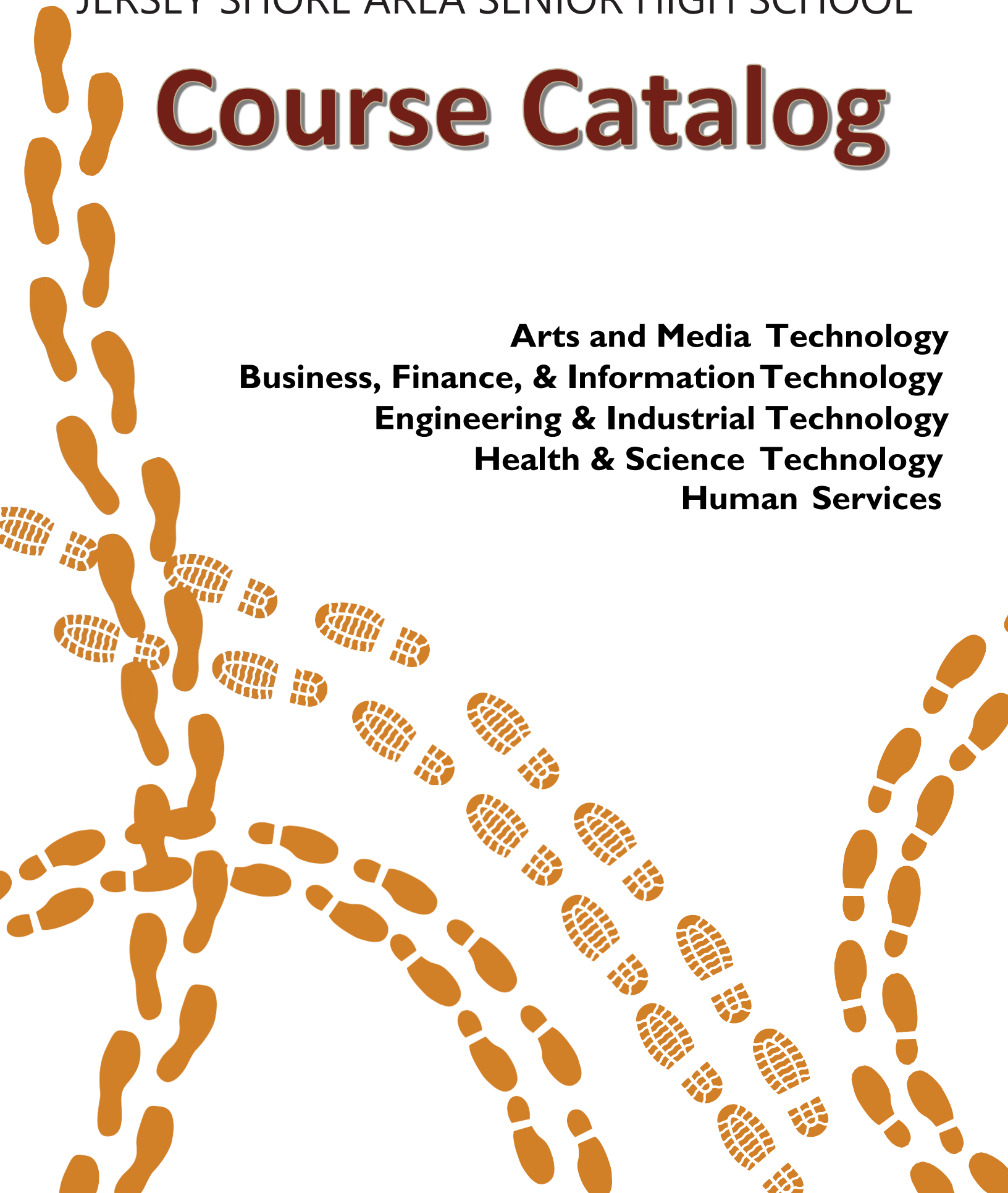
JERSEY SHORE AREA SENIOR HIGH SCHOOL

Course Catalog

Arts and Media Technology
Business, Finance, & Information Technology
Engineering & Industrial Technology
Health & Science Technology
Human Services



Compliance Statement

It is the policy of the Jersey Shore Area School District not to discriminate on the basis of race, sex, religion, color, national origin, age, handicap or limited English proficiency in its educational programs, services, facilities, activities or employment policies as required by Title IX of the 1972 Educational Amendments, Title VI and VII of the Civil Rights Act of 1964, as amended, Section 504 Regulations of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, Section 204 Regulations of the 1984 Carl D. Perkins Act or any applicable federal statute.

For information regarding programs, services, activities, and facilities that are accessible to and usable by handicapped persons or for inquiries regarding civil rights compliance, contact: Jersey Shore Area School District, 75 A&P Drive, Jersey Shore, PA 17740, 570- 398-1561; or the Director of the Office of Civil Rights, Department of Health, Education and Welfare, Washington, D.C.

FOREWORD

This catalog is presented by the entire staff of Jersey Shore Area Senior High School (JSASHS) as a source of information regarding the courses offered to students. A description for each subject has been written so that the students will be aware of the material to be covered in each class. The courses listed in this guide are tentative offerings during any school year. A course will be offered only if enough students request it.

We are interested in providing the finest education possible through offering a diversified curriculum. Students and parents must accept the responsibility of making careful and wise decisions. The teachers, counselors, and administrative staff of JSASHS are ready to assist all students in selecting a schedule that will fit individual needs and interests. Before attempting to make course selections, the students and parents should carefully read the material found in this guide. Special attention should be given to the **requirements for graduation** which are as follows:

1. The subjects in which the required credits are earned will depend upon the course of study chosen.
2. Accumulation of **twenty-seven** (**27.0**) credits in grades nine (9) through twelve (12).
3. Completing all state requirements in accordance with ACT 158.
4. Each student must participate in and pass certain required subjects.

Requirements for each grade level are as follows:

- 0 – 5.75 credits Freshman Status
- 6 – 12.75 credits Sophomore Status
- 13 – 18.75 credits Junior Status
- 19 + credits Senior Status

Content Areas	**Required Credits**
English	4.0
Mathematics	4.0
Science	3.0 or 4.0
Social Studies	3.0 or 4.0
Physical Education	2.0
Health Education	0.5
Business Education **Computer Applications (0.5)* **Personal Finance (0.5)*	1.0
Required Elective Courses **Art – Music – Family Consumer Science (0.5)* **Technology Ed - CTE (0.5)*	1.0
Elective Courses ** Pathway* ** General*	 6 2.5 - 6
Total Credits	**Min./Max.** **27 / 32**

SELECTION/SCHEDULING OF COURSES

Students are to have a complete schedule prior to the start of school. Students are encouraged to register for a full eight period day. Once the school year begins, students may add classes if there is a free period during the day**. Requests to change a schedule after the start of the year and will be limited to those students seeking to advance their schedule.** Consideration will also be given to schedule changes to better support the completion of a specified Pathway to fulfill college-career readiness requirements. Students and parents are encouraged to review the Pathway Guide that outlines the tracks of study at the high school. Each pathway includes specific, required classes and identified electives. To aide in the scheduling process students should identify and follow a pathway to graduation.

WITHDRAW/FAIL

Any student/parent who elects to be removed from a class for any reason beyond seeking to advance a schedule will receive a grade of a withdraw fail (WF) on the high school transcript which will reflect a percentage grade of a 65.

INTERVENTIONS

Jersey Shore High School offers a variety of tiered interventions to support students. Academic support to students is offered by teachers during the SHORE period. School personnel also evaluate needs of students throughout the academic year and work to develop plans to fit the needs of the student(s). Targeted remediation and tutoring programs are conducted when the schedule allows. We encourage students and/or families to reach out to teachers and the guidance office regarding tiered supports for students.

DUAL ENROLLMENT

A number of our classes are dual enrollment classes in conjunction with Pennsylvania College of Technology (PCT) and Lackawanna Community College (LCC). These courses create an official college transcript for the class(es) in addition to being identified on your high school transcript. Due to an agreement between PCT and the JSASD there is no cost to take PCT courses. There is a $100 per credit tuition costs for all Lackawanna Community College courses. Additional student costs may include the expense for textbooks which will vary from $0 - $200 depending on the course for both PCT and LCC. Course marked with ♦♦identify the course as a dual enrollment. Students also have the option to take classes through Mansfield University, Indiana University of Pennsylvania, and the University of Northern Ohio.

Courses NOT NCAA Approved

- SAT Mathematics

SOAR! Students Occupationally & Academically Ready

SOAR is the career and technical educational plan that aligns, through articulation agreements, the secondary career and technical programs to a postsecondary diploma, credential or associate degree. SOAR programs lead students into a career pathway that is in high demand by employers, have higher skill needs, and are most likely to provide family sustaining wages.

Students that successfully complete a CTE program at Jersey Shore and meet post-secondary entrance requirements may be eligible to earn 9.0-13.0 credits at Pennsylvania colleges and universities through the SOAR program depending on the statewide articulation agreement. Check out the Pathway Maps in the Pathways Planning Guide for specific information about Articulation Credit Opportunities. Students can also view a summary of CTE programs at jsasd.org/CTE and can learn about how to obtain post-secondary credits at collegetransfer.net.

Art

Introduction to Art ***Grade 9*** **.50 credit**

Introduction to art is designed to give students a broad experience in two dimensional and three dimensional art. Students will learn and use the elements and principles of art in a variety of media (paint, pastel, colored pencil, plaster, etc.). Assignments are designed to challenge, exercise creative muscle, and broaden artistic experience. This class will give students an excellent foundation for continuing their education in the art industry or communication technology pathway. All projects must be completed in order to receive credit for this course.

Learning to Draw ***Grade 9-12*** **.50 credit**

This is an introductory course on drawing. Students will start from very basic techniques and applications advancing slowly and methodically to more advanced methods. They will work from nature, still life and people in a variety of media; exploring qualities of line, texture, light and space. All grade levels are allowed to sign up for this class. All projects must be completed in order to receive credit for this course.

Sculpture ***Grade 9-12*** **.50 credit**

Students will create a wide range of sculptures using various materials, tools and techniques. Clay sculpting will be a large part of the class and will supplement any pottery classes that students may take. Materials could range from clay, paper, wire, and plaster. All projects must be completed in order to receive credit for this course.

Commercial Art ***Grade 9-12*** **.50 credit**

In this course students use fine art and design skills to create and communicate in various areas of commercial design. This may include product design, storyboards and illustrations, fashion design, and interior design. Students will explore the creative planning involved in creating commercial concepts using drawing skills. This course will give students an excellent foundation of skills to continue their education in the arts and communications technology pathway. All projects must be completed in order to receive credit for this class.

Learning to Paint ***Grade 10-12*** **.50 credit**

This is an introductory painting course. Students will use water-based paints including acrylic, watercolor and tempera. Using a variety of brushes and techniques, students will create paintings that range from realistic to abstract. You must be in grades 10, 11 or 12. All projects must be completed in order to receive credit for this course.

Advanced Art (Prerequisite: Previous art class required.) ***Grade 10-12*** **.50 credit**

This course is designed for those students who wish to develop their artistic skills further. Students will focus on the use of the Elements and Principles of Arts to develop an understanding of the creative process involved in producing art. Projects will give the student a chance to work with a variety of media and subject matter. All projects must be completed in order to receive credit for this class.

Mixed Media ***Grade 10-12*** **.50 credit**

This hands on design course will encourage a sense of exploration and broaden thinking patterns by combining and manipulating traditional and non-traditional art materials and techniques. Projects will refine skills and stimulate the innovative use of materials. This is a course for students who enjoy the challenge of experimenting with new techniques, materials and creative compositional strategies. Students will make informed design choices and improve creative thinking skills while producing original and imaginative artwork.

Stage and Set Design ***Grade 10-12*** **.50 credit**

This course presents the student with a variety of opportunities to learn the basics of set and prop design for productions such as plays, video, concerts, award ceremonies, etc. Work will be done on full stage productions as well as for smaller settings. The student will also have the opportunity to specialize in areas of interest.

Fiber Crafts ***Grade 10-12*** **.50 credit**

This course explores the craft of using fibers such as paper, fabrics, year/string, and other fibers to create pieces of art. Some of the areas students will be working in are weaving, silk painting, book design/paper binding, basketry, and batik. All projects must be completed in order to receive credit for this course.

Glass Crafts ***Grade 10-12*** **.50 credit**

This course explores the areas of Crafts specializing in fabricating items out of glass. Students will learn basic glass design, cutting, soldering, and warm glass techniques as they create both 2D and 3D glass projects. Other areas the students will be working in include fused glass, slumped glass, and the use of recycling in art. All projects must be completed in order to receive credit for this course.

Pottery 1 ***Grade 10-12*** **.50 credit**

This course introduces the beginning student to the basics of pottery, wheel throwing and hand building, as well as a general understanding of glazing and firing of electric kilns. All projects must be completed during the semester for credit.

Pottery 2 (Prerequisite: Pottery 1) ***Grade 10-12*** **.50 credit**

This course introduces the student to advanced techniques in wheel throwing and hand building. Students at this stage are encouraged to adapt projects and individualization is encouraged. All projects must be completed during the semester for credit.

Pottery 3 (Prerequisite: Pottery 2) ***Grade 11-12*** **.50 credit**

This course is for the student who has a good working knowledge of wheel throwing and is interested in advanced techniques and projects on the potters' wheel. There will also be opportunities for the interested student to work in advanced sculpture and hand building problems. All projects must be completed during the semester for credit.

Business, Finance and Information Technologies

Courses in Business, Finance and Information Technology (BFIT) lead to career and college readiness for jobs in the fields of accounting technology/finance; sales, marketing & distribution; and business entrepreneurship. These courses allow students to (1) develop life skills needed by all consumers; (2) prepare for both college, employment, and personal finances; (3) acquire lifelong skills and habits to apply to a career; (4) broaden life-long work and study options; (5) pretest career interests before going to college; and (6) provide an opportunity to apply academic content. Since BFIT courses are designed to provide the skills and competencies that will be used in a variety of careers as well as student's personal lives, any student may take business courses as electives. Three state-approved Career & Technical Education (CTE) programs begin in Grade 10 and follow the required scope and sequence of courses leading to greater opportunities for CTE students. CTE programs have specific requirements that are outlined in the Pathways Guide.

Computer Applications/REQUIRED COURSE ***Grade 9*** **.50 credit**

Computer Applications is a course that teaches students how to create, edit, and format word processing, spreadsheet, and presentation files using Microsoft Office. There is a strong focus on careers and the students will take the ASVAB diagnostic test (when available) or other career assessments to better understand career options. Introduction to the Internet and its research capabilities will be presented. Students must also complete a resume, a letter of application, other job-related materials, and digital citizenship topics.

Introduction to Business ***Grade 10-12*** **1.0 credit**

This course is highly recommended to all students! The course is designed as an introduction to some of the business courses offered at the high school. Students can use this course to help them find a possible career or interest area. This is a good course for those who will enter any field of business, and for everyone else who will ever have to make decisions involving money. Considerable time will also be spent in the microcomputer lab using software to supplement the regular classroom instruction. "Intro" can make the difference in your future.

Business Law 1 ***Grade 10-12*** **.50 credit**

Business Law 1 is a one-semester course that involves principles of law as they apply to business and the consumer. This is an essential course for any student who is planning a career in business. It is highly recommended for business students and others who wish to elect an interesting and enjoyable course. Basic principles of law will be discussed with emphasis being placed on the following: the individual and his/her relationship with the law; our legal system; contract law; marriage, divorce and its legal consequences; and bailments. Current legal cases that relate to the course will also be discussed. Law is an instrument of social control which affects everyone. Business is the medium through which most of the necessities of life are provided to everyone. These two comprehensive and profoundly important fields of interest are ambitiously combined in the text and course on business law. Most colleges require students majoring in business to take at least two semesters of business law.

Business Law 2 ***Grade 10-12*** **.50 credit**

Business Law 2 is a one-semester course that will cover the following topics: job and agency contracts; buying on credit; insurance (including automobile insurance); buying and renting of real property; consumer law; commercial paper (checks and promissory notes); and detailed study of various forms of business ownership. **Business Law 1 is not required to enroll in Business Law 2.**

Accounting 1 ***Grade 10-12*** **1.0 credit**

This course is designed to equip the student with the professional skills that will enable him or her to work in the fields of accounting or bookkeeping. Many job opportunities exist in these fields. The student receives training in each step of the accounting cycle from journalizing through the end-of-month work, to the preparing of financial statements used by management. Accounting is the backbone of any business structure and is highly recommended for any student considering a career in the business field. Basic computerized accounting applications will now be integrated into Accounting 1.

Accounting 2 (Prerequisite: Accounting 1) ***Grade 11-12*** **1.0 credit**

This is an advanced course primarily designed to help the student prepare for a career in the rewarding field of accounting. It includes interesting and important concepts such as depreciation, accruals, deferrals, inventory and cash control, corporate and managerial accounting, etc. Computerized accounting problems will be used as well as spreadsheet problems.

Financial Accounting (Prerequisite Accounting 1 & 2) ***Grade 12*** **1.0 credit**

Dual Enrollment option available

Basic principles and applications of financial accounting used in business practices will be explored to develop student understanding. Preparation and interpretation of financial information are emphasized. Course work provides the accounting knowledge necessary for success in more advanced accounting courses and in the business field.

NOTE: This course is a Lackawanna College Dual Enrollment Course. Registered students will receive Three (3) College Credits through Lackawanna College upon successfully completing the requirements of the course. There is a cost associated with Lackawanna College Course of $100 per credit. This cost is non-refundable. Registration and tuition payment will be discussed by the instructor.

Marketing ***Grade 11-12*** **1.0 credit**

Marketing is the business concept of satisfying customer's wants and needs. This course explores using the 4 P's of Marketing; Price, Product, Place and Promotion in real world business situations. Students will use hands on projects rather than tests to discover the exciting field of Marketing. The classroom environment is stimulated by using case studies, projects, guest speakers and online virtual business projects to learn and grow. Students taking the course should have an interest in attending college for marketing and/or starting their own business in the future.

Business Communications ***Grade 11-12*** **.50 credit**

This course focuses on improving student career readiness skills for written and verbal communication as they relate to the field of business. Students will create professional documents including emails and memos as well as presentations such as briefings and speeches. Connections with the local business community and chamber of commerce will be established to support student learning in this area.

Personal Finance ***(Required for Graduation)*** ***Grade 11-12*** **.50 credit**

Personal Finance introduces students to the business concepts and skills required in today's marketplace. Students need to have a basic understanding of business principles, computer applications, and personal finance to become productive members of the workforce. The intent of the course is to inform students of their various financial responsibilities and to provide them with opportunities for self-awareness, expression, and satisfaction in a highly technical and competitive society.

Principles of Management (MGT105) ***Dual Enrollment option available*** ***Grade 11-12*** **1.0 credit**

Introduction to the topic of management, defined as the process of setting and achieving organizational goals, effectively and efficiently, through the use of human and other resources. The four functions of management - planning, organizing, leading, and controlling - provide a framework for the course and are examined in considerable detail. Emphasis on contemporary management issues such as diversity and recognition of the changing face of the American workforce; ethics and social responsibility and their increasingly important role for business; and the growing significance of international business.

NOTE: This course is a Lackawanna College Dual Enrollment Course. Registered students will receive Three (3) College Credits through Lackawanna College upon successfully completing the requirements of the course. There is a cost associated with Lackawanna College Course of $100 per credit. This cost is non-refundable. Registration and tuition payment will be discussed by the instructor.

Financial Algebra for Business Applications ***Grade 11-12*** **1.0 credit**

Topics to include: buying a car, buying a home vs. renting, budgeting, banking services (saving & checking accounts), establishing credit, employment payroll, income taxes, insurance, & investing via the stock market. Use of some linear equations, and interpretation of collected data using graphs, charts and Excel Spreadsheets as well. The primary focus is business math principles used in the "real world".

Entrepreneurship ***Grade 11-12*** **1.0 credit**

An entrepreneur is a person who attempts to earn a profit by taking the risk of owning and operating his or her own business. Thousands of people become entrepreneurs each year. They may start their own businesses from scratch, buy existing businesses, or buy franchised businesses. The REAL (Rural Entrepreneurship through Action Learning) Entrepreneurship course will teach students the skills necessary to become a successful entrepreneur through a hands-on approach. In this course, students learn about self-employment through reading, research, and classroom activities.

Business Leadership ***Grade 12*** **1.0 credit**

This course is a self-paced, contract-based curriculum that will span the entire school year or the first term dependent upon the number of credits selected by the student. Students, working both independently and as a team, will participate in project management skills pertaining to various business and leadership topics including aspects of Career and Technical Student Organizations. Students will prepare speeches, mock interviews, and professional networking portfolios.

Career and Technical Education Programs

The Career & Technical Education (CTE) programs at Jersey Shore are designed to foster career and college readiness by embedding technical skill training into a comprehensive academic curriculum that prepares students for college-level studies and successful careers. This not only promotes personal success but increases individual contributions to an innovative and competitive regional and state economy. Building this foundation is what CTE is all about. CTE also grants students access to industry-recognized certifications, work-based learning environments, articulation agreement credit opportunities, and access to industry-standard equipment, supplies, and technology used by professionals working in the industry. Each CTE program has specific requirements that are outlined in the Pathways Guide.

Introduction to Human Services ^^ ***Grade 9-10*** **.50 credit**

This class is good for anyone who wants to help others or explore careers in the human service field. If you are interested in teaching or the Child Care CTE program you should take this course. Students will study childhood development and age-related milestones. Students will participate in some community service projects to help others. The students will explore their own skills and interests and develop their own individual career plan. This course also focuses on soft skills and helps students develop the organizational and communications skills they need in this type of work.

Family and Consumer Science ^^ ***Grade 9-10*** **.50 credit**

This elective course is meant to help students develop a basic understanding of financial and resource management for independent living. They will improve their skills in a manner that will help to maintain a healthy lifestyle that balances work, family, and community responsibility. Such topics as food science & nutrition, child development, family functions, communication skills, and consumer rights and responsibilities will be incorporated into the course.

Multimedia Design ^^ ***Grade 9-10*** **.50 credit**

Being able to create digital content that accomplishes a goal/objective is a skill that many employers are looking for in the marketing, design, and digital media fields. This project based hands-on exploratory course gives students a look into the world of creating digital content in three main forms:

- Digital/Graphic Design
- Digital Video Production
- Digital Photography

This program will expose students to basic camera operation with a focus on photography and video production/editing. These are cornerstone skills for a future career in a digital media field. We will explore concepts such as:

- Digital Camera Operation
- Basic Photo Editing
- Basic Video Production/Editing

Career Readiness ***Grade 10-11*** **.50 credit**

Students will be expected to work independently to successfully complete the course. Career Readiness will introduce students to career development strategies within a *Learn & Apply* format that facilitates skill development and application. In this course students will identify their interests and research career paths that match those interests. Students will develop a career portfolio, participate in mock interviews, demonstrate employability skills and produce collaborative presentations.

Pathway Rotation ***Grade 9*** **0.5/1.0 credit**

This course is the gateway class for the Career and Technical Education (CTE) Engineering and Industrial Trades-Technologies Pathway: Industrial Technologies is a four (4) part rotation course consisting of Automotive Technology, Construction Trades, Electronics, and Manufacturing programs. Students will learn basic skills in electrical, programming, engines, prints, schematics, measurements, basic tools, units, welding, and machinery. This course provides the fundamental foundation skills necessary for the various CTE programs.

Pathway Options

Health Occupations **Grade 9** **.25 credit**

Healthcare professionals are the heroes of today and tomorrow—explore a field where every day is an adventure, and your skills can bring hope and healing to people in need. Exploratory Health Occupations introduces students to the vast and dynamic world of healthcare careers. This nine-week course provides a broad overview of roles and responsibilities within the healthcare field, emphasizing the diverse opportunities available. Through interactive activities and project-based learning, students will gain insight into healthcare systems, professional expectations, and the skills required to succeed in various healthcare occupations. Areas of exploration include:

- Basic healthcare concepts
- Overview of high-demand careers, including nursing, medical assisting, and allied health professions
- Simulated scenarios that introduce basic healthcare tasks
- Career Spotlights: Guest speakers, videos, and research projects on various professions

This course is ideal for students curious about healthcare and interested in discovering pathways that align with their skills and interests. It serves as a steppingstone for more specialized healthcare courses and careers.

Automotive Technology Exploration ***Grade 9*** **.25 credit**

Did you ever get a chance as a kid to help your family or friends work on a vehicle, lawn mower, dirt bike, or four-wheeler? If you did then this course would be a breeze for you but if you didn't, this course would give you a chance to be able to get your hands dirty and learn the basics of the automotive industry. In this nine-week course, students will learn and explore internal combustion engines, basic hand tool usage, and basic auto shop safety. Students will focus on the fundamental skills necessary to explore the Automotive Technology career pathway.

Building Maintenance Exploration ***Grade 9*** **.25 credit**

***May not be offered depending on instructor availability.**

Students will be introduced to various skills and tasks which are necessary to work in the field of Building Maintenance and property care. The students will experience the use of available hand tools, machinery and operations. This course will serve as a foundation course for students who are interested in the Building Maintenance pathway.

Computer Systems & Networking Exploration ***Grade 9*** **.25 Credits**

Computers and computing devices are everywhere. Cell phones, tablets, gaming consoles are all connected to a global Internet. How do we navigate this connected world? How many different jobs and careers are involved in making it possible? Is one of them right for you?

- Explore Career Options in Computing
- Learn the Parts of a Modern Computer
- Basic Home Networking and Wi-Fi
- Online Safety and Etiquette
- Future Trends in Computing

Students in this class will explore a wide variety of career options involving computers. They will learn about how the computing industry impacts their lives and how they can fit into the vast variety of fields related to computing.

Precision Machining Exploration ***Grade 9*** **.25 credit**

This course provides an exciting exploration into the world of precision machining. Key concepts and techniques in modern manufacturing will be examined. The fundamentals of Computer-Aided Design and Drafting (CADD) will be learned, enabling the creation of detailed models and blueprints. The course will also cover CNC (Computer Numerical Control) machining, focusing on how these machines operate to produce precise parts. Practical skills in sheet metal fabrication will be developed, allowing for the transformation of flat materials into functional designs. Additionally, basic welding skills will be introduced, emphasizing the safe and effective joining of metal pieces. By the end of the course, participants will have a solid foundation in precision machining, preparing them for future endeavors in engineering and technology.

Automotive Technology

Introduction to Automotive Technology ***Grade 10-12*** **.50 credit**

(Preference given to 10th grade)

Ever wonder how a vehicle or lawn mower works? Or how dirt bikes and four-wheelers run? The Intro to Automotive Tech class will give you a basic understanding of how engines operate. Students will have the opportunity to learn hands on and acquire skills in vehicle electrical systems, precision measurement, and engine repair. The course is the start of the basic skills you will acquire through the CTE Automotive Technology Program!

Automotive Technology 1 ***Grade 11-12*** **3.0 credits**

(Prerequisite: Introduction to Automotive Technology is strongly recommended)

(Preference given to 11th grade)

The automotive industry is in dire need of service technicians. This course provides foundational knowledge and skills needed to enter the workforce. Students will study modern aspects of automotive brake systems, including anti-lock brakes while also being introduced to suspension systems & components, steering systems & components, wheels & tires, and vehicle alignments. The course is a mixture of classroom theory and hands-on applied technical training. Students will learn on actual vehicles seen in the industry. The course will offer base knowledge, operations, diagnosis, and dis/reassembly automotive systems. Students will obtain an Occupational Safety & Health Administration (OSHA) certificate along with prevalent AC Delco Training certificates throughout the course. Preference is given to students in Grade 11 who have successfully completed Introduction to Automotive Technology.

Automotive Technology 2 ***Grade 12*** **3.0 credits**

(Prerequisite: Automotive Technology 1)

Automotive Technicians are in high demand right now across the United States. This program will further the students' knowledge of vehicle systems and build off the knowledge gained from Automotive Technology 1. Students will study engine operation, design, diagnostics and repair. Students will have a major focus on diagnostic procedures of electronic ignition systems, fuel systems, computerized engine control systems, and emission systems. Students will also have the opportunity to enroll in CO-OP learning, as well as "Live Work" of actual employee vehicles. Preference is given to students in Grade 11 who have successfully completed Introduction to Automotive Technology.

Vehicle Maintenance and Service ***Grade 11-12*** **.50 credit**

***May not be offered depending on instructor availability.**
Students will learn the theory and application of vehicle maintenance, fleet maintenance operations and basic car care. This course focuses more on maintaining a vehicle as opposed to repairing them. This course includes necessary information and skills for Automotive 1 and 2, but is also a stand-alone course for those looking to gain knowledge about how to maintain and care for a vehicle. Topics covered are basic maintenance and servicing of all vehicle systems from chassis to powertrains to interior systems.***This course is offered when teacher schedule allows.***

Building Property Maintenance

Intro to Building Maintenance *Grade 10* **.50 credit**

***May not be offered depending on instructor availability.**

This foundational course introduces the essential skills and knowledge required for maintaining and managing residential, commercial, and industrial properties. Ideal for entry-level maintenance technicians, aspiring property managers, or anyone interested in starting a career in building and property maintenance, the course covers a broad range of topics, including basic plumbing, electrical systems, HVAC operation, carpentry, painting, landscaping, and general repair techniques. Students will gain a practical understanding of building systems, routine maintenance procedures, and safety protocols.

Emphasis will be placed on preventive maintenance practices, troubleshooting common issues, and adhering to building codes and regulations. The course also introduces students to effective communication and teamwork skills essential for working with tenants, property owners, and contractors. Through hands-on exercises and real-world scenarios, participants will develop confidence in performing essential maintenance tasks and ensuring the functionality, safety, and aesthetics of properties. This course serves as a steppingstone for further training and career opportunities in building and property maintenance.

Building Maintenance 1 *Grade 11-12* **3.0 credits**

(Preference given to 11th grade)

This course provides students with the foundational skills and knowledge needed to succeed in the fields of building and property maintenance. Through hands-on training and classroom instruction, students will learn to safely and effectively perform essential tasks, including basic carpentry, plumbing, electrical work, HVAC system maintenance, painting, landscaping, and general property upkeep. Emphasis is placed on problem-solving, troubleshooting, and the use of tools and equipment in real-world settings.

Students will also explore industry standards, workplace safety practices, and preventative maintenance strategies to ensure the longevity and functionality of residential and commercial properties. By the end of the course, students will be prepared to pursue entry-level positions or apprenticeships in property management, building maintenance, or related fields. This course is ideal for individuals interested in hands-on work, problem-solving, and maintaining the integrity and value of properties in a variety of environments.

Building Maintenance 2 *Grade 12* **3.0 credits**

(Prerequisite: Building Maintenance 1)

This advanced course is designed for students seeking to deepen their expertise in building and property maintenance. It provides a comprehensive understanding of modern maintenance practices, technologies, and strategies essential for efficiently maintaining commercial, residential, and industrial properties.

The curriculum focuses on advanced topics, including preventive and predictive maintenance techniques, energy-efficient building systems, HVAC troubleshooting, electrical and plumbing repairs, fire safety systems, and compliance with building codes and regulations. Students will also explore sustainable practices in all phases of construction. Through a combination of hands-on training, real-world case studies, and interactive problem-solving exercises, participants will develop the skills needed to provide students with entry level knowledge in the Building and Property Maintenance field. Students must have successfully completed Building Property Maintenance 1.

Computer Aided Drafting and Design *Grade 11-12* **.50 credit**

***May not be offered depending on instructor availability.**

This program will allow students in the Engineering and Industrial Technology pathways to gain knowledge in the use of AutoCAD and related software. Students will receive instruction in the use of AutoCAD, AutoCAD architecture Revit, and Autodesk Inventor programs. Students will read, draw, and interpret shop drawings and building plans in 2D and 3D. Students will use drafting practices to reinforce mathematical concepts of area, perimeter, volume, and other geometric concepts.

Child Care

ABC's of Child Care *Grade 10-12* **.50 credit**

(Preference given to 10th grade)

This introductory course provides the basic knowledge and skills related to child growth and development. It will help you form positive relationships with children and develop effective parenting and caregiver skills. Participation in this course may also help one determine a career goal of working with children.

Child Care Services 1 *Grade 11-12* **3.0 credits**

(Preference given to 11th grade)

Students enrolled in the Child Care Services program learn and practice the skills necessary to improve the quality of care and education provided for young children. In this course students begin the process of becoming a Child Development Associate (CDA). They develop skills in storytelling; implement art, music, movement, math and science activities for groups of children; create, plan and write weekly lesson plans; design bulletin boards, newsletters and other teaching tools; plan and prepare nutritional food for children. Students will also operate a laboratory school for 3-5 year olds, using positive guidance methods. Students will be prepared to pursue post-secondary education. Students will be required to purchase a shirt to be worn when

Child Care Services 2 *Grade 12* **3.0 credits**

(Prerequisite: Child Care Services 1)

Students will continue to build upon the foundation established in Child Care Services 1, continuing to accumulate time and experience towards the process of becoming a **Child Development Associate** (**CDA**). Students will be given more responsibility in the development and preparations of the laboratory school.

Communications & Digital Media

Intro to Communications & Digital Media *Grade 10* **.50 credit**

What format does most of society consume their information? If you answered, "visually," you are correct. We are living in a world of Digital Media. Our news is sent to us in almost real time to a device small enough to fit in our pocket (or even on our wrist). We watch entire seasons of TV shows in one season, advertisers are shifting toward influencer model ad campaigns, etc., Many of today's youth look up to content creators vs. traditional movie stars, athletes, etc.

This program will expose students to basic camera operation with a focus on photography and video production/editing. These are cornerstone skills for a future career in a digital media field. We will explore concepts such as:

- Digital Camera Operation
- Exposure manipulation
- External Lighting Setup
- Recording and modifying audio

Students will begin building larger scale projects in each of our three core areas (Design, Photo, Video) based on fundamental skills learning in previous foundation courses. Students will learn to operate photo/video cameras including full manual exposure/focus controls, external lighting for photo/video, as well as audio recording and mastering. Additionally, design concepts such as CARP will be explored and applied to various branding projects. Eventually, students will progress to larger scale school wide projects that involve content creation for our YouTube and Instagram platforms while developing soft skills such as interviewing, script writing, project planning, etc. Students will also design for production using our White Toner Printer/Heat Press along with our Laser Engraver.

Communications & Digital Media 1 *Grade 11-12* **3.0 Credits**
(Preference given to 11th grade)

This program will expose students to basic camera operation with a focus on photography and video production/editing. These are cornerstone skills for a future career in a digital media field.

- Digital/Graphic Design
- Video Production Process
- Content Creation and Social Analytics
- Digital Photography for Content Creation and Marketing
- Managing Social Media Channels
- Creating Branding Packages
- Establishing a Professional Online Presence

Students will begin building larger scale projects in each of our three core areas (Design, Photo, Video) based on fundamental skills learning in previous foundation courses. Students will learn to operate photo/video cameras including full manual exposure/focus controls, external lighting for photo/video, as well as audio recording and mastering. Additionally, design concepts such as CARP will be explored and applied to various branding projects. Eventually, students will progress to larger scale school wide projects that involve content creation for our YouTube and Instagram platforms while developing soft skills such as interviewing, script writing, project planning, etc. Students will also design for production using our White Toner Printer/Heat Press along with our Laser Engraver.

Communications & Digital Media 2 *Grade 12* **3.0 Credits**

(Prerequisite: Communications & Digital Media 1)

We are knee deep in a world informed, entertained, persuaded, and even motivated through digital media. Who is responsible for curating, distributing, developing, and designing this content? Those who have a diverse set of skills in digital media design and content creation. In this program students will further develop those skills including:

- Digital/Graphic Design
- Video Production Process
- Content Creation and Social Analytics
- Digital Photography for Content Creation and Marketing
- Managing Social Media Channels
- Creating Branding Packages
- Establishing a Professional Online Presence

Students will begin building larger scale projects in each of our three core areas (Design, Photo, Video) based on fundamental skills learning in previous foundation courses. Students will learn to operate photo/video cameras including full manual exposure/focus controls, external lighting for photo/video, as well as audio recording and mastering. Additionally, design concepts such as CARP will be explored and applied to various branding projects. Eventually, students will progress to larger scale school wide projects that involve content creation for our YouTube and Instagram platforms while developing soft skills such as interviewing, script writing, project planning, etc. Students will also design for production using our White Toner Printer/Heat Press along with our Laser Engraver. Students are required to have successfully completed Communications & Digital Media 1.

Graphic Design for the Web *Grade 11-12* **.50 Credits**

***May not be offered depending on instructor availability**

Graphic Design for the web is an elective-based course in which students are introduced to the various conceptual and technical aspects of designing content for the web. This course examines the fundamental basics of HTML and CSS in accordance to current internet standards. Students will explore the website design process including layout/conceptualization, to publication, while utilizing various HTML tags, CSS structuring, etc. Additionally, students will learn the basics of developing the front-end design for apps/websites, etc. using prototyping software that allows fully functional mobile apps and websites to be built and tested for usability. ***This course is offered when teacher schedule allows***

Web Page Development BWM150 *Grade 11-12* **.50 Credits**
3 College Credits

Introductory coverage of the Internet and online Web technologies. Skills learned include how to plan, create, and maintain static web pages. Students who enroll in this course with the intent to receive college credit must pass the Penn College Placement exam and purchase the book for this course. With successful completion, students will receive 3 credits for the BWM 150 course through Pennsylvania College of Technology. **This course runs concurrently and is part of Level 2.**

Computer Systems & Networking Technology

Electronics and Computer Engineering courses provides students with a foundation in circuits, analog and digital electronics, automation using PLCs and Robotics, control systems, electronic communications, embedded systems, telecommunications, networking, and optics. These courses address the need for women and men with practical skills who are ready to continue their study at the college level, enter the military, or enter the workplace.

Engineering, Technology & Society (***Grade 10-12*** **.50 credit**
3College Credits

Introduction to the basic concepts and applications of computer and engineering technologies and the effects on professional and casual users, their employers and employees, and society. Applied skills include the use of current computer technology for data/information collection and organization; visualization, analysis, and interpretation of numeric computations; and the dissemination and presentation of solutions to engineering technology problems.
This course meets Pennsylvania College of Technologies Computing Literacy graduation requirement for all majors **during the spring semester**. Students who enroll in this course with the intent to receive college credit must pass the Penn College Placement exam and purchase the book for this course. With successful completion, students will receive 3 credits for the EET124 course through Pennsylvania College of Technology. This Course is weighted 1.1

Introduction to Computer Systems & Networking ***Grade 10*** **.50 credits**

Some of the best paying fields in the career market today are in the fields of computers, networking, and telecommunications. The jobs in greatest demand require knowledge and skills. Which ones pay the best, which require the most education, which ones are available locally, and what is the best way to get that dream job?

- Data and Privacy
- Cybersecurity
- Networking
- Internet Technologies
- Applications and Software
- Hardware and Operating Systems
- Databases
- Programming and Development

Students in this class will explore multiple career paths and learn the entry points. They will explore the basics or work in each of these fields while practicing the basic skills in each.

Computer Systems & Networking 1 ***Grade 11-12*** **3.0 credits**

Computers dominate nearly every aspect of our lives these days. Desktop computers, laptops, tablets, and mobile devices are just the most visible forms. All smart devices, home networking devices, gaming gear, and even our cars are now computing devices. Who do we turn to when these things break or need service? In this course you will learn the skills of a service technician for computers, laptops, and mobile devices. You will also learn how these devices and all computing devices communicate and how we can secure those communications to protect them from malicious actors.

- Building PCs
- Repairing and Maintaining PCs, Laptops, and Mobile Devices
- Proper Troubleshooting Methodology
- Upgrading PCs, Laptops, and Mobile Devices
- Operating Systems and Applications
- Cyber Safety and Security
- Electrostatic Discharge (ESD) Safety
- Electrical and Physical Safety
- Professionalism and Ethics for Technicians

Students in this class will be responsible for building and repairing personal computers and laptops. Some equipment may be brought in by students and staff for repair, upgrade, or assembly in any condition.

♦♦ Computer Systems & Networking 2 (EET145) *Grade 12* **3.0 credits**

4 College Credits

Prerequisite: Networking 1, This course is weighted 1.1

The connected world relies on robust communications systems at many layers. These interconnected telecommunications systems are comprised of many different types of networks and networking technologies. These systems of networks require a huge number of skilled technicians, administrators, and analysts to maintain and manage daily operations in a secure and reliable manner.

- Network and Telecommunications Standards
- Copper and Fiber Optic Cabling
- Wireless Communications Standards
- Physical and Logical Topologies
- Routing and Switching
- Network Administration and Troubleshooting Tools
- Network Design
- Network Security
- Virtualization, Cloud, and Remote Access/Administration
- Electrical and Physical Safety
- Professionalism for and Ethics Technicians and Administrators

Students in this class will be responsible for building and maintaining the IT LAB Network and related equipment. They will learn about a variety of communications methods and systems. Students will prepare for next level training including industry training, trade school, and college/university paths. Students must have successfully completed Computer Systems Networking 1 to enroll for this course. Opportunities to participate in the IT Club and its related activities are open to all students, but LAN Parties are encouraged as a way to practice the skills of networking, electrical safety, and customer support. Networking 2 students are expected to build the wired and wireless networks for these events.

Principles of Computer Programming *Grade 11-12* **.50 credit**

***May not be offered depending on instructor availability.**

Principles of Computer Programming provides and introduction to programming basics that can be used with any computer language. Concepts covered include: User Input, Output, Data Types and Variables, decision statements, looping, functions or methods, and arrays. Properties of algorithms, languages, and notations for describing algorithms, applications of a procedure-oriented language to problem solving are also covered. These concepts will be covered in a modern, high level, object oriented, open source (free) language such as Python. This course can be used as a building block into CTE courses in Electronics and Information Technology. This course meets the graduation requirement of .5 credits in Technology Education. ***This course is offered when teacher schedule allows***

Principles of Electronics *Grade 11-12* **.50 credit**

***May not be offered depending on instructor availability.**

In Principles of Electronics students are introduced to various concepts and topics in electronics technology such as electricity fundamentals, basic circuit design, electrical component installation/function, multi-meter use, principles of automation, and principles of data communication. The course is setup as partial theory and partial hands-on lab work. Students will apply math skills to verify circuit operation. It is expected that students have a basic understanding of algebra. This course can be used as a building block into CTE courses in Electronics, Information Technology, and Automotive. This course meets the graduation requirement of .5 credits in Technology Education. ***This course is offered when teacher schedule allows.***

Culinary Arts

Introduction to Baking and Pastries ^^ *Grade 9-10* **.50 credit**

This elective is for anyone that loves to bake or is interested in pursuing a career in the Baking and Pastry Arts or Culinary Arts. The course will introduce you to all the basics of the bakeshop. The curriculum will cover such units as Cookies, Quickbreads, Custards, Puff Pastry and Phyllo Dough, Bakeshop Ingredient and Equipment Identification, and Sanitation. You will make and bake a huge variety of desserts in order to get the skills, experiences, and abilities necessary to create your own dishes whenever you want more.

Advanced Baking and Pastries ^^ *Grade 10-11* **.50 credit**

(Prerequisite: Introduction to Baking and Pastries)

This elective follows in the footsteps of Introduction to Baking and Pastries. If you enjoyed that class, then you will be happy to take this one. We are going to go beyond the basic skills that you learned in that course and continue to make new and exciting desserts. You will work with specialty desserts like Pies, Tarts, and Crepes. There is a unit on cake decorating and we will make numerous cakes ranging from the basic to advanced. There is potential for small group or independent work than in the introductory class. As always, you will be able to taste and evaluate everything that you make.

Introduction to Food Prep and Cooking ^^ *Grade 10-11* **.50 credit**

This elective course is meant to introduce students to cooking and working with food. Even if you have no experience coming in, you will leave feeling comfortable in the kitchen. This class will also help you to realize whether you have a passion for cooking and if you would like to possibly pursue it as a career. Our food units will begin with cold preparations like salsa, guacamole, salads, and dressings and transition to cooking methods used in the kitchen today; boiling (pasta and potato cookery, etc.), simmering (sauce preparation, rice cookery, etc.), and roasting (meat, poultry, and vegetable cookery, casseroles, baked goods, etc.). Each unit will include a number of recipes that you will prepare in groups and take with you to enjoy. Sanitation, equipment identification, and a large emphasis on knife skills are also included to begin a strong foundation in your culinary arts education.

Advanced Food Prep and Cooking ^^ *Grade 10-11* **.50 credit**

(Prerequisite: Introduction to Food Prep and Cooking)

This class is the next step in your culinary education after the Introduction to Food Prep elective. We pick up right where we left off. The majority of the semester will be spent completing new recipes that focus on dry heat cooking methods such as deep-frying, pan-frying, and sautéing. You will also review the basic fundamentals of food preparation that we covered previously. This class is a great way to increase your skills and knowledge in the kitchen and develop your abilities to be able to create amazing dishes at home.

CTE Culinary Arts 1 *Grade 11-12* **3.0 credits**

(Preference given to 11th grade)

The CTE Culinary Arts class gives students the skills and knowledge they need to start a career in the restaurant industry, prepare for enrollment in Culinary school, or to become an amazing chef at home. You will have units that cover all of the major areas of cooking, including: baking, meat and seafood cookery, soup preparation, dessert making, entrée production, knife skills, sanitation, food purchasing, and many more. Experience is also gained in dining room service skills like waiting on tables at catering events. This class offers a fast-paced environment that reflects real-world restaurant experiences. If you love food and creating your own unique dishes or if you have always wanted to see what it was like to be a chef. . .then this is the class for you.

CTE Culinary Arts 2 ***Grade 12*** **3.0 credits**

(Prerequisite: CTE Culinary Arts 1)

This class is for students that have already completed CTE Culinary Arts 1. At the second level, you will take on greater responsibilities in the planning of events, researching recipes, and preparation of meals. This class will reinforce the skills and knowledge you learned at the introductory level, but it will also show you a more detailed look into working with food, give you the opportunity to learn new recipes, and introduce you to new units that were not part of the first level class. If you are considering attending a Culinary school after graduation or if you have plans to ever work in foodservice, then you should definitely enroll in CTE Culinary Arts 2.

Health Sciences

Introduction to Health & Medical Assisting *Grade 10* **.50 credit**

With countless ways to grow and thrive, the constantly evolving healthcare industry is where your passion meets purpose. Introduction to Health and Medical Assisting provides students with an engaging overview of the healthcare field. Designed for students exploring the Health and Medical Assisting Career and Technical Education (CTE) pathway, this semester-long course introduces basic healthcare concepts, foundational skills, and career opportunities within the medical field. Students will gain insights into healthcare systems, essential medical terminology, and basic anatomy while participating in hands-on activities to develop an understanding of patient care fundamentals.
Through exploration of healthcare professions, students will identify areas of interest and begin planning their career pathway in the health sciences. Below are some of the areas of learning this course will focus on.

- Provide Exposure: Introduce students to the healthcare field and the roles of medical professionals
- Build Foundations: Teach basic medical terminology, anatomy, and healthcare systems
- Develop Interest: Encourage students to explore potential career paths and align their interests with educational opportunities
- Promote Hands-On Learning: Offer practical activities that simulate real-world healthcare environments
- Foster Professionalism: Instill early awareness of ethics, teamwork, and communication in healthcare settings

♦♦Medical Terminology Survey (MTR 100) *Grade 11-12* **.50 credit**
2 College Credits

Introduction to the basic structures and rules of interpreting medical terminology, designed to develop the ability to read, understand, and write the medical language. 1 Credit (1 Lecture),

♦♦Basics of Medical Terminology (MTR 104) *Grade 12* **1.00 credit**
3 College Credits

Foundation for the use of the language of medicine, with emphasis on correct pronunciation and spelling, various word parts, abbreviations and symbols, and terms pertaining to body systems. Etiology, symptomatology, pathology, and diagnostic procedures for identifying various disease processes provide an increased understanding of medically related conditions and procedures. 3 Credits (3 Lecture)

Health & Medical Assisting 1 *Grade 11* **3.0 credit**

The healthcare field is one of the fastest growing and most rewarding industries. Here, your passion for helping others becomes a powerful career! Health and Medical Assisting 1 is an introductory course designed to prepare students for careers in the fast-paced and rewarding field of healthcare. Students will develop foundational knowledge and skills necessary for success in entry-level healthcare roles and gain insight into advanced training opportunities. This course emphasizes the essential tasks and responsibilities of health assistants, fostering both technical competencies and professional ethics.

- Demonstrate knowledge of healthcare systems, terminology, and anatomy
- Perform basic patient care tasks, such as measuring vital signs and practicing infection control
- Exhibit effective communication skills and teamwork in a healthcare setting
- Identify and explain career opportunities in healthcare, including educational pathways
- Apply ethical principles and legal regulations in simulated healthcare scenarios

The course incorporates hands-on skills development, group projects, and real-world simulations to build competencies in patient care, medical terminology, anatomy and physiology, and healthcare systems. Students will explore career pathways in nursing, medical assisting, physical therapy, and other healthcare professions, guided by their interests and aspirations.

Health & Medical Assisting 2 ***Grade 12*** **3.0 credit**

As the capstone experience for students interested in a career in healthcare, Health and Medical Assisting 2 builds upon the foundational knowledge and skills introduced in Health and Medical Assisting 1. This course offers advanced training in healthcare practices and deeps students' understanding of medical professions. Designed as the second course in a two-level sequence, this program emphasizes practical experience, higher-level problem-solving, and preparation for industry certification. Some areas of focus will include:

- Overview of common diseases, their symptoms, and treatments
- Chronic disease management and patient education
- Professionalism and ethical decision-making
- Handling sensitive patient interactions and ethical dilemmas
- Legal documentation and reporting procedures
- Perform intermediate to advanced patient care tasks, including patient positioning, wound care, and medical documentation
- Coordination of care in interdisciplinary teams

Students will refine patient care skills, explore advanced medical terminology, and apply their knowledge in clinical and simulated environments. Emphasis will also be placed on ethical decision-making, critical thinking, and professionalism, preparing students for real-world healthcare roles and post-secondary education. Career exploration will be expanded to include specialization opportunities and strategies for achieving long-term career goals. Students must have successfully completed Health & Medical Assisting 1.

Precision Machining

Introduction to Precision Machining *Grade 10-11* **.50 credit**

(Preference given to 10th grade)

This course serves as an introduction to the essential skills and techniques in precision machining. Students will gain a foundational understanding of measurement principles critical to the machining process. Hands-on experience will be provided in lathe and mill work, allowing students to create precise components. The fundamentals of Computer-Aided Design and Drafting (CADD) will be explored, enabling the design of detailed models. Basic CNC programming will be introduced, focusing on the operation of CNC machines and how to create simple programs for part production. Additionally, students will learn the principles of arc welding, emphasizing safety practices and effective techniques for joining metal pieces. By the end of this course, participants will be equipped with a diverse skill set that lays the groundwork for advanced studies in machining and engineering.

Precision Machining 1 *Grade 11-12* **3.0 credits**

(Preference given to 11th grade)

Precision Machining Level 1 is designed for students ready to delve deeper into the world of machining. This course emphasizes both theoretical knowledge and practical hands-on skills, providing a comprehensive understanding of mill and lathe work, as well as precision grinding techniques. Students will explore Computer-Aided Design and Drafting (CADD) alongside Computer-Aided Manufacturing (CAM) software, equipping them with the tools needed for modern machining processes. Instruction will cover the programming and operation of CNC mills and lathes, ensuring students gain proficiency in these essential technologies. Additionally, this course offers OSHA 10 certification, emphasizing workplace safety and health standards. By the end of this course, students will possess the foundational skills and knowledge necessary to progress into higher-level Precision Machining courses.

Precision Machining 2 *Grade 12* **3.0 credits**

(Prerequisite: Machining & Manufacturing Engineering Technology 1)

Precision Machining 2 is an advanced-level course designed to build upon the foundational skills developed in Precision Machining 1. In this course, students will engage in the design and manufacturing of complex products using a variety of advanced tools, materials, and techniques. Emphasis will be placed on the interpretation and application of blueprints, machining processes, and the use of CNC (Computer Numerical Control) machines. Students will gain hands-on experience in CADD (Computer-Aided Design) and CAM (Computer-Aided Manufacturing) software, learning to create and modify designs and convert them into precise machine instructions. The course will also deepen students' understanding of measurement techniques to ensure the highest standards of accuracy and quality in their work. Throughout the course, students will develop the skills necessary to work with both manual and CNC machines, perform advanced machining operations, and effectively troubleshoot and problem-solve in a precision manufacturing environment. By the end of the course, students will have the expertise to produce high-precision parts and products in line with industry standards. Student must successfully complete Precision Machining 1.

Work Based Learning Experience

Co-operative Education Experience *Grade 12* up to 4.0 credits

This course is only available to students enrolled in the CTE program

The Cooperative Education course is designed to bridge the gap between classroom learning and real-world application for students enrolled in a Career and Technical Education (CTE) program. This course provides students with invaluable school-to-work skills through structured work-based learning opportunities. By integrating academic knowledge with practical workplace experience, students gain a comprehensive understanding of their chosen career paths.

Eligible students must demonstrate proficiency in basic trade and technical training, maintain good attendance, and exhibit a positive attitude and strong work habits. Upon meeting these prerequisites, students are recommended to employers for on-the-job training, where they can apply their skills in a real-world setting.

Through this cooperative education experience, students not only earn credits towards graduation but also develop essential professional competencies. These include effective communication, problem-solving, time management, and teamwork skills, which are critical for success in today's workforce.

Diversified Occupations (DO) *Grade 12* up to 4 credits

This course is only available to students NOT enrolled in a CTE program

The Diversified Occupations (DO) program at Jersey Shore Area Senior High School is designed to equip high school seniors with the essential skills and experiences needed to successfully enter the workforce. This comprehensive Career and Technical Education (CTE) course fosters career readiness through a blend of theoretical knowledge and practical application.

The Diversified Occupations program not only prepares students for immediate employment but also instills lifelong skills that are invaluable in any career pursuit. By participating in this program, students gain a competitive edge in the workforce and lay a strong foundation for future professional endeavors.

CTE Experience/Internship Grade 11-12 up to 4.0 Credits

This course is only available to juniors or seniors enrolled in the CTE program.

The CTE Experience/Internship is an innovative work-based learning program designed for Career and Technical Education (CTE) students in grades 11 and 12. This course provides immersive experiences for students with a clear career goal aligned with their CTE program of study. Students can engage in a student-managed project, where they can either own and operate a related program business, participate in an internship, or explore career opportunities within their program area industry.

Guided by the CTE Program Instructor and the Work-Based Learning Coordinator, students embark on real-world projects that require them to plan, execute, and document skill-based activities. This program emphasizes the importance of maintaining accurate records of all completed projects. Through these activities, students not only explore multiple career paths and occupations but also develop essential workplace behaviors and industry-specific skills.

The CTE Experience/Internship allows students to apply both academic and occupational skills in actual workplace settings or simulated environments. This hands-on approach ensures students understand how to translate classroom learning into practical applications, preparing them for the next steps in their career journey. By the course's end, students will be well-equipped with the knowledge and skills necessary for a seamless transition into the workforce or further education.

English

Students are required to earn a minimum of four (4) English credits for graduation, pass the English 9 course, and take the Keystone Literature Exam in order to graduate. Students who do not score proficient or advanced on the Keystone Literature Exam in 9th grade will be required to take the Keystone English course in 10th grade and take the Keystone Literature Exam again a second time.

English 9 ***Grade 9*** **1.0 credit**

This course emphasizes a variety of literature, including Shakespeare's *Romeo and Juliet,* Homer's *The Odyssey*, and Harper Lee's *To Kill a Mockingbird*, as well as a number of novels, short stories, and poems. Research and documentation methods are crucial components, in addition to the writing process. Word studies are conducted, as well as taking words in context from literature. Literary concepts will be emphasized. This course is designed to prepare students to take the Keystone Literature Exam in May of the freshman year.

English 9 College Prep ***Grade 9*** **1.0 credit**

Recommended prerequisite: recommendation of 8th grade ELA teacher or permission of instructor
This course requires summer reading and assignments.

The course of study includes a variety of literature similar to that of English 9. A study of the history of the background of the author and period is included to provide insight into the piece of literature. Grammar is taught in correlation with writing and vocabulary. Sentence structure and more advanced grammar concepts are fine-tuned from basic knowledge. Particular writing methods are taught, including formal research, expository, comparison and contrast, and persuasive. Developmental vocabulary is continued through vocabulary texts, context of literature, and word lists that accompany pieces of literature. Independent reading and IXL are used to enhance standardized test scores. This course will prepare students to take the Keystone Literature Exam in May of the freshman year.

English 10 ***Grade 10*** **1.0 credit**

(Required for grade 10 students who do not score proficient or advanced on Keystone Literature Exam in grade 9)

This course is designed to reiterate basic literary and composition skills. Students will read selections of American literature from all genres encompassing early American history to modern times and complete writing assignments to correlate and complement each unit. Emphasis will be placed on *Something for Joey, The Great Gatsby,* and *The Crucible.* Students in this course will re-take the Keystone Literature Exam in May of the sophomore year.

Academic English 10 ***Grade 10*** **1.0 credit**

Students will read selections of American literature from all genres encompassing early American history to modern times and complete writing assignments to correlate and complement each unit. Emphasis will be placed on short stories, poetry, and genres, as well as *The Great Gatsby* and *The Crucible.* Students will study the historical evaluation of American dramatic literature. Students will also gain a complete understanding of theme, figurative language, and testing skills.

English 10- College Prep ***Grade 10*** **1.0 credit**

Recommended prerequisite: 90% or higher in Honors 1 and proficient or advanced score on the Keystone Literature Exam
Students not meeting these criteria must meet with the instructor to discuss course expectations prior to scheduling.
This course requires summer reading and assignments.

Students will complete a rigorous academic course that focuses on classic literature, poetry, writing, non-fiction, drama, and cinema. In addition, the course stresses reading outside of class and project-based learning. The writing in the course will focus on analyzing multiple texts from multiple genres in coherent and well-organized essays which use MLA format. The course will explore and focus on primarily American literature and the historical context that impacts writing. This course is recommended for 10th graders who plan to take AP English their senior year.

English 11 ***Grade 11*** **1.0 credit**

This course will focus on literature with themes about the outdoors. In addition to short stories, novels, poems, and magazine articles, students will read and analyze *Into the Wild* and study the concept of American Transcendentalism and how it applies to modern literature. Students will also focus on the writings and beliefs of Leo Tolstoy, Jack London, Ralph Waldo Emerson, and Henry David Thoreau. This course also includes a combination of research skills and public speaking. Composition instruction stresses the writing process with precise techniques for writing the multi-paragraph expository theme. Several two-four-page research papers will focus on research skills and MLA/APA format. Fundamentals of public speaking will focus on organizing the essential parts of a speech, with emphasis given to integration of a visual aid.

English 11 College Prep ***Grade 11*** **1.0 credit**

This course will enhance vocabulary-building skills and comprehension of college-level fiction and non-fiction reading material. It will also focus on completing college applications and writing college entrance and scholarship essays. In addition, students will read and analyze Animal Farm. A research unit on colleges, majors, requirements, and expenses will result in an MLA-formatted paper and a presentation. This course also includes a combination of research skills and public speaking. Composition instruction stresses the writing process with precise techniques for writing the multi-paragraph expository theme. Several two-four-page research papers will focus on research skills and MLA/APA format. Fundamentals of public speaking will focus on organizing the essential parts of a speech, with emphasis given to integration of a visual aid. Upon completion of this course, students should be adequately prepared to take the verbal section of the SAT.

Pre-AP Literature ***Grade 11*** **1.0 credit**

Recommended prerequisite: 90% or higher in English 2 College Prep
Students not meeting this criteria must meet with the instructor to discuss course expectations prior to scheduling.
This course requires summer reading and assignments.

The advanced level of junior English helps the talented student to grow in analytical and interpretive thinking and challenges his creativity to develop skills for an Advanced Placement Course. The core content of the course is a study of British literature, conducted both thematically and chronologically. British novels and plays incorporated into the course are pieces that also appear on AP exam reading lists. At least one Shakespeare play will be read and analyzed. The methodology and vocabulary of literary criticism are applied in writing assignments and individual projects. Instruction in the conduct and writing of research is provided. Grammar and vocabulary studies focus on skills required for colleges, as well as for College Board and AP exams. Analytical skills are developed in readiness for the literature portion of the AP exam the following year.

Fantasy Fiction ***Grade 12*** **.50 credit**

This course will read an assortment of myths and stories from cultures around the world, including Greek, Roman, Norse, Celtic, Eastern Europe/Russia, Native American, as well as local myths and folklore, and identifying their influence on modern-day literature. Activities will include discussions, projects, essays, and research.

World Literature *Grade 12* **.50 credit**

This course will include a survey of literature and related vocabulary from various parts of the world from the beginning of recorded history to the present. Emphasis will be placed on the cultural connection between a society and its writings. Activities will include discussions, projects, essays, and research.

Biography *Grade 12* **.50 credit**

This course will explore and read different examples of biographies and analyze the common components to a "quality" biography". Students will then write and complete their own biographies in the form of a senior memory book, containing chapters about their life experiences.

Technical Communication *Grade 12* **.50 credit**

This course will focus on English skills especially relevant to vocational careers. Focus will be on using research to prepare a variety of informative and explanatory texts for internal company and client communication in a concise manner, including formal tone, domain-specific language, efficient organization, and multimedia graphics. Reading, interpreting, and analyzing these types of texts will also be addressed. Resume writing, professionalism, and other interpersonal communication skills will be included, as well.

♦♦ English Composition 1 (ENL111) *Grade 12* **.50 credit**

This course is weighted 1.1 (3.0 college credits)

This dual-enrollment college course focuses on fundamental writing and research skills with an emphasis on expository writing. An emphasis is placed on analysis, discussion, and practice of writing that explores, explains, and argues. Course work includes a significant research component. **Any student selecting this course must have administrative approval. Students who enroll in this course with the intent to receive college credit must pass the Penn College Placement exam and purchase the book for this course. With successful completion, students will receive 3 credits for the ENL111 course through Pennsylvania College of Technology**

Advanced Placement English Literature *Grade 12* **1.0 credit**

This course is weighted 1.1, Recommended prerequisite: 86% or higher in Honors 3 or recommendation of instructor
Students not meeting this criteria must meet with the instructor to discuss course expectations prior to scheduling.
This course requires summer reading and assignments.

The Advanced Placement course prepares the student for college-level English courses and for the nation-wide Advanced Placement English Literature Exam in May of the current school year. Students who are successful with the AP exam may be granted college credit by the academic institution they choose to enter after high school. The reading, writing, and thinking requirements are formidable, requiring extensive analytical and critical thinking elements that are built upon from the previous honors courses. Instruction focuses on note-taking; class discussion encourages differences of opinion; essay exams emphasize supporting one's interpretation with specific details from the readings; and writing assignments stress coherency and the mechanics of writing: i.e., grammar, punctuation, and spelling. Close reading is given to an extensive series of classics, great novels, plays, poems, essays, and stories. Each marking period will be directed towards the reading of a novel, drama, Shakespeare play, and independent reading assignment.

The Following Elective Courses Will NOT Count for English Credit

Journalism ***Grade 9-12*** **1.0 credit**

Utilizing project-based learning student journalism activities, those enrolled in this course will develop stories that are meaningful and address current issues. Students will learn how to identify a "newsworthy" topic, key aspects of print and broadcast news, ethics of journalism, and the art of the interview. Through print and visual media, student projects develop communication skills, critical thinking skills, and offer students a way to positively respond to key topics in society.

This is an elective credit not an English credit.

Yearbook Publications ***Grade 10-12*** **1.0 credit**

(Prerequisite: Students must have a good scholastic record, faculty recommendations, demonstrated ability to work well with others and good time management skills. Students interested in being on staff must meet a strict application process and have the approval of the yearbook advisors.)

The publication of the school yearbook, the Orange and Black, is carried out each year by students dedicated in producing the best yearbook ever. If you like dealing with people, accepting responsibility, and working hard, then this course is designed for you. In this course you will participate in the designing, planning and layout of the yearbook, be responsible for specific yearbook pages, organize photo assignments, and select topics and generate written copy for your assigned pages. You will also participate in business activities, such as marketing, selling, handling money and maintaining accurate records. This is an elective credit not an English credit.

Mathematics

Upon completion of 8th grade, all students will need to choose a math pathway for high school.

Algebra 1 ***Grade 9*** **2.0 credit**

The study of Algebra lays the foundation for mathematics, sciences, and technical courses a student will be taking in the future. Students learn to express relationships verbally, pictorially, graphically, and symbolically. Equations are solved graphically prior to solving them symbolically. Emphasis is on connections to the real world and to various mathematical strands. Geometric models are used to connect the visual and the symbolic. The second half of the year will focus on topics such as functions, polynomials, series, sequences, and conic sections. Emphasis is placed on fundamental algebra skills such as factoring and solving linear systems. Use of a graphing calculator is essential throughout the course.

Academic Algebra 1 ***Grade 9*** **1.0 credit**

The study of Algebra lays the foundation for mathematics, sciences, and technical courses a student will be taking in the future. Students learn to express relationships verbally, pictorially, graphically, and symbolically. Equations are solved graphically prior to solving them symbolically. Emphasis is on connections to the real world and to various mathematical strands. Geometric models are used to connect the visual and the symbolic. Use of scientific and graphing calculators is encouraged throughout the course. This course covers the same materials as #2120 but with more emphasis on the abstract applications and concepts and prepares the student to take the Keystone Exam at the end of the course. All students must take the Keystone Exam for Algebra 1.

Geometry College Prep ***Grade 9-10*** **1.0 credit**

Grade 9: Algebra 8 with a recommended minimum 90% average and Proficient or higher on the Keystone Algebra 1 exam

This is the accelerated Geometry for the 9th grade. In the study of geometry, students use inductive reasoning to identify patterns, and make conjectures---apply deductive reasoning to confirm conjectures through proof. The course begins with a strong development of visualizations and drawing skills. Algebraic and geometric models are used throughout to model a variety of real world situations. Proof is developed carefully throughout the text with an emphasis on understanding. Various proof formats are compared and used when appropriate---paragraph, flow-chart, and two column. The use of synthetic, coordinate, transformation, and vector approaches are promoted to help students understand the big ideas. Coordinate and transformation techniques are introduced early and used when appropriate. The use of manipulatives and constructions are integrated throughout to promote active involvement. This course emphasis is on the abstract applications and concepts, with a stronger emphasis on proofs and theory.

Keystone Algebra 1 Remediation ***Grade 9-11*** **.50 credit**

This course will target and reinforce basic information specifically related to the student performance on the Keystone Algebra 1 Exam. Students will complete assignments related to and correlated to each unit of study identified by the Keystone Anchors addressed in the Keystone Algebra 1 Exam. Students will learn studying and test-taking strategies designed to assist them in attaining proficiency on the Keystone Algebra 1 Exam.

Academic Algebra 2 ***Grade 10-11*** **1.0 credit**

Prerequisite: Successful completion of Algebra 1

The study of Academic Algebra 2 continues to build on sequential approaches as in Academic Algebra 1. The sequence from variable to relationships to functions is extended to include using functions as models for applied settings. Algebraic and geometric concepts are connected to topics in probability, statistics, trigonometry, and discrete mathematics. Functions are developed through tabular and graphical approaches aided by technology. A special emphasis is given to the concept of change as embodied in linear, polynomial, exponential functions. Included are important topics for today's technical world---paths and circuits, and optimization. Use of a graphing calculator is essential throughout the course.

Algebra 2 College Prep *Grade 10-11* **1.0 credit**

Prerequisite: Geometry College Prep with a recommended minimum 86% average

This course is the accelerated Algebra II. The sequence from variable to relationships to functions is extended to include using functions as models for applied settings. Algebraic and geometric concepts are connected to topics in probability, statistics, trigonometry, and discrete mathematics. Functions are developed through tabular and graphical approaches aided by technology. A special emphasis is given to the concept of change as embodied in linear, polynomial, exponential functions. Included are important topics for today's technical world---paths and circuits, and optimization. Use of a graphing calculator is essential throughout the course.

Academic Geometry *Grade 10-11* **1.0 credit**

Grade 10 Prerequisite: Algebra 1 with a recommended minimum grade of 80%
Grade 11 Prerequisite: Successful completion of Algebra 2 with a recommended minimum grade of 80%

In the study of geometry, students use inductive reasoning to identify patterns, and make conjectures---apply deductive reasoning to confirm conjectures through proof. The course begins with a strong development of visualizations and drawing skills. Algebraic and geometric models are used throughout to model a variety of real world situations. Proof is developed carefully throughout the text with an emphasis on understanding. Various proof formats are compared and used when appropriate---paragraph, flow-chart, and two column. The use of synthetic, coordinate, transformation, and vector approaches are promoted to help students understand the big ideas. Coordinate and transformation techniques are introduced early and used when appropriate. The use of manipulatives and constructions are integrated throughout to promote active involvement. This course emphasis is on the abstract applications and concepts.

Geometry *Grade 10-11* **11.0 credit**

Prerequisite: Successful Completion of Algebra 1
In the study of geometry, students use inductive reasoning to identify patterns, and make conjectures---apply deductive reasoning to confirm conjectures through proof. The course begins with a strong development of visualizations and drawing skills. Algebraic and geometric models are used throughout to model a variety of real world situations. Proofs are developed with a greater emphasis on real world applications. The use of synthetic, coordinate, transformation, and vector approaches are promoted to help students understand the big ideas. Coordinate and transformation techniques are introduced early and used when appropriate. The use of manipulatives and constructions are integrated throughout to promote active involvement. The emphasis in this course is on the concrete applications and concepts.

Unified Algebra and Trig *Grade 12* **1.0 credit**

(Prerequisite: Geometry)

This course is a continuation of topics covered in Career Algebra 3/Algebra 2/Geometry. Functions and polynomials are continued with the introduction of trigonometric functions. Transformations of parent functions are extended from Career Algebra 3/Algebra 2/Geometry. Circular functions are introduced through the rectangular coordinate system. Use of a graphing calculator is essential throughout the course.

Academic Trig/Pre-Calculus *Grade 12* **1.0 credit**

Prerequisite: Geometry and Algebra 2 with a minimum grade of 80 %

The study of Pre-Calculus begins with a thorough review of the advanced topics of Algebra. The circular functions are introduced through the rectangular coordinate system which integrates the algebraic functions with the transcendental functions. Use of a graphing calculator is essential throughout the course.

College Readiness Algebra *Grade 12* **1.0 credit**

Prerequisite: Algebra 2

This course is designed for seniors who will attend college after graduation and will need to be proficient on placement tests. This is not for students pursuing a math or science field. Topics include real numbers, variable expressions, linear equations in one and two variables, inequalities, exponents and scientific notation, polynomial operations, and application problems, systems of linear equations, polynomial division and special products, factoring, rational expressions, radical expressions, quadratic equations, functions and application problems. Emphasis on math study skills. Technology is used to enhance thinking and understanding, to solve problems, and to judge/verify results. Verbal, numerical, graphical and symbolic approaches assist in the discovery and communication of mathematical concepts.

Trig/Pre-Calculus College Prep *Grade 11* **1.0 credit**

Prerequisite: Algebra 2 Honors with a recommended minimum grade of 86%

This course is the accelerated Pre-Calculus for the 11th grade. The study of Pre-Calculus begins with a thorough review of the advanced topics of Algebra. The circular functions are introduced through the rectangular coordinate system which integrates the algebraic functions with the transcendental functions. Use of a graphing calculator is essential throughout the course.

Calculus *Grade 12* **1.0 credit**

Prerequisite: Trig/Pre-Calculus or Trig/Pre-Calculus College Prep with a recommended minimum grade of 80%

Calculus is offered to the student who excels in mathematics. Topics include analytic geometry, limits and continuity, derivatives, and integration. The approach to this course integrates the use of numerical, graphical, and algebraic techniques.

Consumer Math *Grade 12* **1.0 credit**

This course involves such concepts as interest, discounts, purchasing, selling, tax computations, commissions, insurance investments, and financial institutions. By learning this type of material, the student will become more efficient, effective, and competent in the type of math used in the real world by both business people and consumers.

Mathematic Electives

(will count as a math credit)

Calculus-Advanced Placement *Grade 12* **1.0 credit**

Prerequisite: Trig/Pre-Calculus Honors with a recommended minimum grade of 86%.
This course is weighted 1.1

This course is offered to the senior student who excels in Mathematics. It prepares the student to take the nationwide Advanced Placement Exam in May of the current school year. Students who are successful with that exam may be granted college credit by the academic institute they choose to enter after high school. This course covers topics above and beyond the regular Calculus course with a strong emphasis on past Advanced Placement exams. It is a demanding course and will require the student to do Chapter 1 over the summer so that it is possible to cover all necessary topics by the beginning of May, prior to the exam.

SAT Math *Grade 11 - 12* **.50 credit**

SAT Math is offered to provide any student with skills for improving or preparing for the SAT exam. This one semester course allows students to review such topics as arithmetic, algebra and geometry in a mock testing environment. *Recommended for College Bound Juniors.*

AP Statistics *Grade 12* **1.0 credit**

Prerequisite: Academic Algebra 2
This course is weighted 1.1

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data.

Students are exposed to four broad conceptual themes. First, Exploring Data: Describing patterns and departures from patterns. Second, Sampling and Experimentation: Planning and conducting a study. Third, Anticipating Patterns: Exploring random phenomena using probability and simulation. Fourth, Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course.

♦♦ Technical Algebra and Trigonometry I MTH 123 *Grade 12* **0.5 credit**
This course is weighted 1.1 **3.00 college credits**

(Highly recommended prerequisite: Academic Trig / Pre-Calculus)

Study of intermediate algebra and trigonometry, designed to prepare students for course work in their technical majors. Topics include algebraic expressions, linear equations, systems of equations, right triangle trigonometry, functions, graphs, geometry, ratio and proportion, and variation. Emphasis on problem solving and technical application as well as the use of technology. Not designed to prepare students for calculus. **Students who enroll in this course with the intent to receive college credit must pass the Penn College Placement exam. With successful completion, students will receive 3 credits for the MTH 124 course through Pennsylvania College of Technology.**

Introduction to Statistics *Grade 11 - 12* **.50 credit**

This introductory course is designed to show students how statistics are used to picture and describe the world and make informed decisions. Students will be required to provide written explanations, find patterns, and make decisions. *This course is strongly recommended for any college bound student.*

Modern Language

Modern Language can be the key to a successful future in both school and business. More than 70% of U.S. firms report that knowledge of a second language is an important consideration for successful employment. They seek employees with functional language skills as well as sensitivity to social and cultural differences. Speakers of a foreign language are greatly valued by international business firms as well as social services, law enforcement, manufacturers, health service providers, and local employers. Most universities recommend foreign language study as both an admission and graduation requirement. Students who study a foreign language demonstrate a better understanding of other cultures in addition to their own. Combining foreign language skills with almost any other career pathway makes the student more desirable in the field of future employment.

Spanish 1 ***Grade 9-12*** **1.0 credit**

This course is an introduction to the language and culture of societies with different speech and lifestyles. The initial stages of language learning include mastery of a new sound system through oral repetition and practice of pronunciation, vocabulary, phrases, and, eventually, conversations. Reading and writing in the language will be studied. The student will be introduced to the new culture throughout the year through use of books and other visuals, foods, native speakers, magazines, etc. as available. The culture--that is, the behavior, beliefs, and values--of the people studied is an integral part of this course. Evaluation is based on oral class participation, completion of homework assignments, projects, oral and written quizzes, and unit tests. Students will be expected to complete assignments in a self-disciplined, self-motivated manner.

Spanish 2 ***Grade 10-12*** **1.0 credit**

Prerequisite: Successful completion of Spanish 1

Level 2 stresses the continued use of the spoken language in the classroom. Students will continue grammar studies related to development of aural, oral, reading, and writing skills. Culture will be presented as an integral part of the course. Emphasis will be placed on the benefits of language study, both in the social and the business world. Evaluation will be based on oral participation, completion of homework assignments, projects, quizzes, and chapter test scores. Self-motivation and self-discipline are important for a successful language study.

Spanish 3 ***Grade 11-12*** **1.0 credit**

Prerequisite: Successful completion of Spanish 2

At the third level, past grammar concepts will be reviewed, and by the end of the year, most basic grammar concepts will have been introduced. The student will be required to speak in the foreign language as much as possible, and original written work will be stressed. Study will also center on culture and current events; emphasis will be placed on foreign language as an asset to any chosen career. Evaluation will be based on class participation, completion of homework assignments, quizzes, tests, and composition work. Attitude and effort are also considered in student evaluation.

Spanish 4 ***Grade 12*** **1.0 credit**

Prerequisite: Successful completion of Spanish 3/3 Honors

Level 4 of language study is a refinement of concepts mastered at the preceding levels through continued practice of the basic skills. Cultural aspects and literature of the language will be explored with stress on reading and conversation skills. There will be continued emphasis on the benefit of foreign language to any chosen career. Evaluation will be based on oral participation, completion of homework assignments, individual and group projects, compositions, quizzes, and chapter tests. Consideration is given to student attitude and effort toward learning.

Spanish--Advanced Placement ***Grade 12*** **1.0 credit**

This course is weighted 1.1

Prerequisite: Successful completion of Spanish 3/3 H, teacher recommendation advised

AP Spanish will offer students with a 90% average or better in Spanish III Honors the opportunity to improve their skill level in the areas of listening, writing, reading, and speaking. This intensive preparation will enable independently motivated students to prepare for the AP exam thereby getting college credit and/or exemption from beginning levels of Spanish in college. Students should expect at least one hour of work per school night. The course will be conducted in Spanish, and students will be expected to have daily assignments prepared before coming to class, so that class time itself is best utilized for practice and discussion.

Students will be expected to take the AP Spanish Language and Culture exam.

German 1 ***Grade 9-12*** **1.0 credit**

A beginners course in German. No prior knowledge of German is required. Students will learn how to communicate effectively in German at a beginners level. Students will also gain an in-depth understanding of German culture. The *Komm Mit!* Level 1 textbook is used for German 1, which includes 12 chapters. The abilities of students who complete German 1 will measure at the *Novice High* level according to the ACTFL Proficiency Guidelines.

German 2 ***Grade 10-12*** **1.0 credit**

Prerequisite: Successful completion of German 1

A beginner/intermediate course in German. It is assumed that students have taken a German 1 course and have learned how to communicate effectively in German at a beginners level. Students continue to learn how to communicate effectively in German at a beginner-intermediate level. Students will continue to gain an in-depth understanding of German culture. The *Komm Mit!* Level 2 textbook is used for German 2, which includes 12 chapters. The abilities of students who complete German 2 will measure at the *Intermediate High* level according to the ACTFL Proficiency Guidelines.

German 3 ***Grade 11-12*** **1.0 credit**

Prerequisite: Successful completion of German 2

An intermediate/advanced course in German. It is assumed that students have taken a German 2 course and have learned how to communicate effectively in German at an beginner-intermediate level. Students continue to learn how to communicate effectively in German at an intermediate-advanced level. Students will continue to gain an in-depth understanding of German culture. The *Komm Mit!* Level 3 textbook is used for German 3, which includes 12 chapters. The abilities of students who complete German 3 will measure at the *Advanced High* level according to the ACTFL Proficiency Guidelines.

German 4 ***Grade 12*** **1.0 credit**

Prerequisite: Successful completion of German 3

An advanced course in German. It is assumed that students have taken a German 3 course and have learned how to communicate effectively in German at an intermediate-advanced level. Students continue to learn how to communicate effectively in German at an advanced level. Students will continue to gain an in-depth understanding of German culture. The *Dreimal Deutsch* textbook is used for German 4. The abilities of students who complete German 4 will measure at the *Advanced High* level according to the ACTFL Proficiency Guidelines.

Music

Concert Band ***Grade 9-12*** **.50 credit**

The Concert Band is a high school performing ensemble which rehearses every other day. Participants include students who have been involved in the music program since elementary and middle school. The Band performs for evening concerts and other special events throughout the year. Repertoire includes music from various periods of music history as well as contemporary wind ensemble literature and marches. Band members, *in good standing*, will have the opportunity to audition for LCBDA/PMEA county/district/region/state festivals. Opportunity for solo and small ensemble concerts may also present themselves throughout the year. Previous experience playing an instrument in the district's music program is highly encouraged, although not necessarily required. **Students without previous playing experience must meet with the director for permission to schedule this course**.

Extra-Curricular – Marching Band ***Grade 9-12*** **No credit**

The Bulldog Marching Band is an extra-curricular activity that meets entirely outside of the school day. Students do not need to participate in Concert Band in order to be a member. The marching band provides entertainment to the community through parades and football games. This ensemble also participates in local marching band competitions as well as the Lycoming County Band Director's Marching Exhibition. The Bulldog Marching Band begins each season over the summer and continues through the end of Marking Period 1. Repertoire includes serious works for marching band as well as contemporary and popular music. *Prior experience with color guard is NOT required as students will be taught by a color guard instructor.*

Concert Choir ***Grade 9-12*** **.50 credit**

The Concert Choir is a high school performing ensemble which rehearses every other day. The Concert Choir performs at school concerts and special events throughout the year. Repertoire includes music from various periods of history, as well as world and American music, folk and contemporary. The Concert Choir members, *in good standing,* may audition for PMEA district/region/state festivals and other select ensembles. Other performance opportunities may become available to perform in solo and ensemble concerts throughout the year.

Additional Ensembles/Activities - Co-Curricular ***Grade 9-12*** **No credit**

Students involved in the music program will also have the opportunity to participate in smaller, seasonal activities at the Jersey Shore Area Senior High School. *Possible* groups include: jazz band, wind ensemble, percussion ensemble, quartets, quintets, pep band, and various select vocal ensembles. Students are chosen by auditions for certain groups

Song Writing ***Grade 11-12*** **.50 credit**

This course explores how to write, record, and publish new songs. This class begins with a brief introduction to basic music theory and song structure before diving into composition. Throughout the course, students will have the opportunity to compose short songs, write their own lyrics, and study the characteristics of popular genres. There will be frequent projects and opportunities to write new songs alone and with partners. This course concludes with units on recording and editing music, as well as units on copyright laws and resources for publishing your music!

Stage Technology ***Grade 11-12*** **.50 credit**

This course dives into the processes involved with theatrical production. Topics include elements of physical theatre, safety practices, directing, scenic design, lights, sound, and career application. During this class, students will be prepared to produce a play or musical with the theatre department (Middle and/or High School).

*Students who take this class are required to be involved with an extra-curricular theatre production including rehearsals after school hours and on weekends as needed.

Music Theory 1 ***Grade 10-12*** **.50 credit**

(Prerequisite: Previous knowledge of how to read music is required)

The purpose of this course is to explore the basic elements of Music Theory and how music is composed. Students will learn how to write their own music by learning the rules of music composition and applying those rules using Sibelius music writing software. Students will be required to compose pieces based on compositional techniques learned in class. This semester course is open to all students who have an interest in the way music is composed or would like to learn the rules of music composition and how they are utilized today using the latest music writing software.

Music Theory 2 ***Grade 10-12*** **.50 credit**

(Prerequisite: Completion of Music Theory I with a passing grade)

The purpose of this course is to continue the study of Music Theory at a higher level. Students will apply the basic elements from Music Theory I to write their own music, but add more complex concepts of music composition. Students will be required to use Sibelius music writing software to compose pieces based on compositional techniques learned in class. In addition to the written theory portion of the course, students will also receive aural theory training which will aid in their ability to sight read and sight sing more accurately. This semester course is open to all students who wish to continue their Music Theory studies, explore the way music is composed, further understand the rules of music composition, and experience how they are utilized today using the latest music writing software.

Music History ***Grade 9-12*** **.50 credit**

This course is designed to help students understand how music has progressed throughout history and the stylistic changes music endured during different eras. In this class, students will listen to various styles of sacred and secular music from various countries as well as music by well-known composers. Students should be prepared to take notes and keep a detailed notebook. In addition, students will be required, on occasion, to write short papers/essays and give oral presentations. This semester course is open to all students who have an interest in the history of music. *Previous knowledge of how to read music is not required, but would be helpful.*

History of Rock and Roll: 50′s, 60′s, 70′s ***Grade 9-12*** **.50credit**

This semester course was created to fulfill the art/music/fcs component of the graduation requirements. It is designed to help students understand what constitutes the idea of "rock and roll" and it's progression from the early 1950's through the 1970's. In this class, students will listen to examples of music from various artists/groups from the various time periods. In particular, considerable time is spent on music of the 1950's, 1960's, 1970's. Students should be prepared to take notes and keep a notebook for the class. In addition to quizzes/tests, students may be required to prepare an oral group presentation and an individual project.

History of Rock and Roll 2: 80′s, 90′s 2000′s ***Grade 9-12*** **.50credit**

This semester course was created to fulfill the art/music/fcs component of the graduation requirements. It is designed to help students understand what constitutes the idea of "rock and roll" and it's progression from the early 1980's through the 2000's. In this class, students will listen to examples of music from various artists/groups from the various time periods. In particular, considerable time is spent on music of the 1980's, 1990's, and 2000's. Students should be prepared to take notes and keep a notebook for the class. In addition to quizzes/tests, students may be required to prepare an oral group presentation and an individual project.

American Musical Theatre 1 ***Grade 10-12*** **.50 credit**

The majority of the class work will be the study of 20th Century musical plays and musical comedies, and the interaction of plot, dialogue, and character as they serve as the framework for songs, dances, routines, and humorous episodes. Students will study excerpts from land mark musicals from the 1920's to the 1960's, as well as present day excerpts during their 'Clip of the Day.' Students will study famous composers, producers, librettists, choreographers, singers, dancers, and actors who were a part of this century's most successful productions on and off-Broadway. In addition, students will be learning how the elements of costume design, stage set, and lighting contribute to the overall musical production. This class will also develop an understanding of performance and students will demonstrate through performance: basic acting and singing skills. Students will be expected to try all basic performance skills as a part of this course.

American Musical Theatre 2 ***Grade 10-12*** **.50 credit**

(Prerequisite: Completion of American Musical Theatre 1 with a passing grade)

This class is an extension of American Musical Theatre I. The majority of the class work will be the continuation of study of 20th Century musical plays and musical comedies, and the interaction of plot, dialogue and character as they serve as the framework for songs, dances, routines and humorous episodes. Students will study full-length productions as well as excerpts from landmark musicals from the 1960's to present, including film adaptations of Broadway musical stage plays, as well as present day excerpts during their 'Clip of the Day.' Students will study famous composers, producers, librettists, choreographers, singers, dancers, and actors who were a part of this century's most successful productions on and off-Broadway. In addition, students will be learning how the elements of costume design, stage set, and lighting contribute to the overall musical production. This class will also develop an understanding of performance and students will demonstrate through performance: basic acting and dancing skills. Students will be expected to try all basic performance skills as a part of this course.

Voice 1 ***Grade 9-12*** **.50 credit**

This semester course was created to foster good vocal health and technique. Goals of the course are as follows: to improve technique, quality, and artistry of individual voices; and to focus class attention on common vocal problems and their remediation. Students will study three different genres of music including folk, classical, and musical theatre to perform in this class. In addition to performance, students will take an in-depth look at famous musicians from the 20th Century including the genres of folk, classical, and musical theatre. This course is performance based and all students are required to sing.

Voice 2 ***Grade 9-12*** **.50 credit**

This semester course was created to expand upon student understanding of vocal health and technique. Goals of the course are as follows: expand upon student vocal technique, quality of overall performance, and artistry of individual voices; and to focus class attention on perfecting a vocal performance. Students will expand their repertoire of performance pieces and knowledge of vocalist.

Guitar ***Grade 9-12*** **.50 credit**

This semester course was created to encourage nontraditional instrumental students to pursue music study. This course also fulfills the art/music/fcs component of the graduation requirements at Jersey Shore High School. In this class we will discuss techniques and topics including chords, scales, notation, strumming, and fingerpicking. Students may be required to practice on their own, take written quizzes/tests, and perform both alone and as a class.

Keyboard 1 ***Grade 9-12*** **.50 credit**

This semester course was created to encourage nontraditional instrumental students to pursue music study. In this class we will learn technique, theory, performance, and improve sight reading skills. A variety of musical genres will be used during this course. The pace of the course will vary by student, based on ability and prerequisite knowledge. Students may be required to practice on their own, take written quizzes/tests, and perform both alone and as a class.

Keyboard 2 ***Grade 9-12*** **.50 credit**

Prerequisite: Completion of Keyboard 1 with a passing grade)

This semester course was created to encourage nontraditional instrumental students to pursue music study. In this class we will learn technique, theory, performance, and improve sight reading skills. A variety of musical genres will be used during this course. The pace of the course will vary by student, based on ability and prerequisite knowledge. Students may be required to practice on their own, take written quizzes/tests, and perform both alone and as a class. Keyboard II will build on topics and foundational skills learned in Keyboard I.

Physical Education/Health

Physical Education ***Grade 9-12*** **.50 credit**

The physical education program will provide a wide variety of activities to meet the mental, physical, social, and emotional needs, as well as the interests and abilities, of all students. The activities are designed to develop interpersonal skills, positive attitudes, a desire to participate, physical fitness, and an appreciation of lifetime and individual sports. The activities are offered to each student in a co-educational, modified elective program. Students will have the opportunity to develop proficiency in movement forms. This proficiency involves the ability to demonstrate a degree of consistency and skillfulness in the execution of basic as well as advanced skills in offered activities.

Included in the program is a wide variety of activities, such as, basic swimming, disc golf, soccer, pickle ball, volleyball, softball, basketball, badminton, recreational games, square dancing, aerobics, yoga, floor hockey, aquatic fitness, fitness walking, lacrosse, and kayaking, canoeing, snorkeling and a variety of aquatic games. The students will have use of the "fitness center" which includes: cardio equipment, hammer strength training, and a variety of circuit training will be available to all students. Furthermore all ninth grade students and "new" students to the district will be certified in the technique, safety, care, handling of equipment and procedures of the fitness center.

Health & Wellness ***Grade 9 (Required)*** **.50 credit**

This course is based off of the Pennsylvania State Standards for Health, Physical Education, Safety, Recreation, and Dance, as well as, the National Health Education Standards. The goals of this course are to introduce and explain the concept of wellness; provide current information on health issues; assist the student in developing a balanced lifestyle through understanding of the inter-relatedness of the physical, mental and emotional realms in making a healthy individual; provide an opportunity for students to examine and evaluate their personal relationships; and provide opportunities for the development of decision-making and critical-thinking skills.

Safety Concepts & First Aid (Health Elective) ***Grade 10-12*** **.50 credit**

In this course, students will examine fundamental attitudes, knowledge and skills to prepare for further study in career pathways in health, recreation, and community services. Concepts related to the field of health and wellness, health care, basic principles of anatomy, physiology and disease, medical terminology, organ and tissue donation, patient care, and basic safety and reporting protocols for providing care to individuals. Students will also obtain First Aid/CPR/AED certification upon passing skills and written exams with a minimum of 80%.

High School Nutrition ***Grade 11-12*** **.50 credit**

This course aims to provide students with a comprehensive understanding of nutrition, emphasizing its role in maintaining overall health and well-being. Students will explore various aspects of nutrition, including the science of nutrients, dietary guidelines, meal planning, and the impact of nutrition on health.

Strength and Conditioning and Lifelong Fitness ***Grade 11-12*** **.50 credit**

Course Overview: This course on Strength and Conditioning and Lifelong Fitness provides students with a well-rounded education on physical fitness, emphasizing the importance of health, safety, and long-term well-being. It covers various aspects of strength training, cardiovascular conditioning, nutrition, flexibility, and more while encouraging students to develop a lifelong commitment to fitness.

Science

Students are required to earn a minimum of three (3) Science credits and score proficient or advanced on the Keystone Biology Exam to meet graduation requirements. Students who do not pass the Keystone Exam after the full year biology course, may be required to take the Keystone Biology Remediation course the following school year and will take the Keystone Biology Exam a second time.

Earth and Space Science ***Grade 9*** **.50 credit**

This course will provide students with an understanding and knowledge of the Earth and the Earth's place in the Universe. The following topics will be covered: Astronomy- the Earth in the Universe, Meteorology-the atmosphere of the Earth, and Geology-the solid part of the Earth. The students will develop proficiency in basic laboratory process skills such as measurement, data collection, organization, analysis, and forming conclusions.

Introduction to Environmental Science ***Grade 9*** **.50 credit**

Introductory environmental course that introduces students to the concepts and principles of environmental science. Including agricultural and environmental systems and resources, environmental literacy skills, and sustainability and stewardship outlined in the PA STEELS environmental literacy standards.

Biology Advanced/College Prep (REQUIRED Course) ***Grade 9-10*** **1.0 credit**

9th Gr. Prerequisite: Recommended proficient on PSSA Reading Exam and must have a teacher recommendation.

Biology is the Keystone science trigger course for the high school. A score of proficient or above must be earned on the Keystone Biology Exam in order to meet graduation requirements. The biology course has been designed to enhance student understanding of the structure and function of all living things, the student's place in this community of life and to provide each student the tools required to be successful on the Keystone Biology exam. Topics include: the cell, cell division, the cell's role in the establishment and maintenance of homeostasis, bioenergetics, ecology, genetics, and evolution. This course is for students planning to pursue a 4-year degree.

Biology / REQUIRED Course ***Grade 10*** **1.0 credit**

Biology is the Keystone science trigger course for the high school. A score of proficient or above must be earned on the Keystone Biology Exam in order to meet graduation requirements. The biology course has been designed to enhance student understanding of the structure and function of all living things, the student's place in this community of life and to provide each student the tools required to be successful on the Keystone Biology exam. Topics include: the cell, cell division, the cell's role in the establishment and maintenance of homeostasis, bioenergetics, ecology, genetics, and evolution.

Keystone Biology Remediation ***Grade 10-11*** **0.5 credit**

This course will target and reinforce basic information specifically related to the student performance on the Keystone Biology Exam. Students will complete assignments related to and correlated to each unit of study identified by the Keystone Anchors addressed in the Keystone Exam. Students will learn studying and test-taking strategies designed to assist them in attaining proficiency on the Keystone Exam.

Chemistry *Grade 10-12* **1.0 credit**

(Prerequisite: Biology. Prerequisite or concurrent: Algebra 1)

This Chemistry course is intended to introduce the high school student to chemical science. Topics studied include: measurement, matter and energy, atomic structure, the periodic table, and chemical bonding, chemical reactions, the mole, stoichiometric relationships, and solutions and concentration. The approach in the course emphasizes conceptual understanding and mastery of key concepts. The pace of the course is slower and the emphasis is less on mathematical problem solving than in the honors chemistry course. Hands-on laboratory work is an important component of the course. **This course is intended for students who are entering the workforce or a 2 year degree program after high school.** Students planning to attend a four-year college after high school should take CHM 100 – Fundamentals of Chemistry.

♦♦ Fundamentals of Chemistry: CHEM 100 *Grade 10-12* **1.00 credits 4.00 college credits**

This course is weighted 1.1

(Prerequisite: Must have passed Algebra 1 with a 76% or higher. This course CAN be taken after passing Chemistry, but a prior Chemistry course is not a prerequisite)

Basic principles of chemistry and its practice in laboratory. Emphasis on the underlying structure of matter (atoms, ions, molecules) and how structure determines properties. Designed to teach chemistry terminology and symbols, as well as to develop analytical and critical thinking skills. This course is intended for students planning to attend Penn College as a non-science major. Future Penn College students can complete a required science course for their degree program by completion of this course. **Students who enroll in this course with the intent to receive college credit must pass the Penn College Placement exam. With successful completion, students will receive 4 credits for the CHM100 course through Pennsylvania College of Technology.**

Physics *Grade 11-12* **1.0 credit**

(Prerequisite: Algebra 1)

Physics is a course that enables students to discover how things work. Physics is all around us and we investigate force, work, and rate in mechanical, fluid, electrical, and thermal systems. Experiments and projects are integral parts of the class. Common objects and applications are stressed and discussed in their relation to force, work, and rates. The student will also investigate resistance, energy, power, and force transformers within the mechanical, fluid, electrical, and thermal systems. Investigating drag, ohm's law, and measuring the resistance of thermal insulation are just a few examples of experiments that are done in the resistance unit. Power and force transformers units include reading watt-hour meters and working with simple machines. This course should be considered by students planning on entering the workforce, or pursuing an Associate's Degree after high school or students planning on a four year degree in a non-science field. **Students planning on attending a four year college program in a science, engineering, medical or technology related program should consider Honors Physics. This course is not an option if you have passed Honors Physics.**

Physics Advanced/College Prep *Grade 10-11* **1.0 credit**

(Prerequisite: Algebra 2 with at least 86% average)

Physics College Prep is an advanced level course that deals with the relation between matter and energy, beginning with measurement and continuing with force and motion, vectors, momentum, work energy and power, wave transfer of energy, light and optics, direct current electricity, circuits, magnetic applications of electric and magnetic fields, and nuclear energy. High emphasis is placed on laboratory work and problem solving. This course is ***STRONGLY*** recommended for students planning to pursue a four-year degree in an engineering, medical, technology, or science field.

Advanced Placement (A.P.) Chemistry *Grade 11-12* **2.0 credits**

This course is weighted 1.1
(Prerequisite - Must have a 90 or above average in both CHM 100 and in Algebra II)

Advanced placement chemistry is a college level course designed to prepare a high school student for higher education in science or a medical field. The A.P. Chemistry course is designed as an equivalent to a college level general chemistry class. The goal of the course is to prepare students to successfully complete the College Board's Advanced Placement Test in Chemistry. Passing the A.P. Chemistry test will enable students to take second year chemistry courses in their college freshman year or exempt them from science as a general elective. Students enrolling in AP Chemistry must have achieved a 90 average in Honors Chemistry and in Algebra II. The topics covered are those required by the College Board for the course and include: Structure of matter, states of matter, reactions, periodic trends, intro to organic chemistry, and laboratory techniques.

Advanced Placement Environmental Science *Grade 10-12* **1.0 credits**

(Prerequisites – Biology Prerequisite or concurrent with Honors Chemistry or Honors Physics with course grades of 90 or above.) This course is weighted 1.1

The Advanced Placement Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. The goal of the course is to prepare students to successfully complete the College Board's Advanced Placement Test in Environmental Science.

Science - Electives

The following electives are available for all pathways in grade 12. Electives may be scheduled on a case by case basis depending upon the student pathway, grade level and prerequisites necessary.

Analytical Chemistry *Grade 12* **.50 credit**

Analytical chemistry is a course intended for those interested in going into engineering, crime scene investigation (CSI), or other chemistry-related field. The application of the class can also be used for those interested in going into medical research. The course includes the theory and applications of analytical chemistry including: Laboratory emphasis on obtaining and interpreting quantitative data, Statistical data analysis, equilibrium expressions, pH, volumetric and gravimetric analysis, fundamentals of spectroscopy, and analytical separations. Laboratory experiments include acid-base behavior, spectroscopy (UV-visible and atomic absorption), and chromatography.

Organic Chemistry *Grade 12* **.50 credit**

(Prerequisites- A course grade of a B+ or higher in CHM 100.) (Can be taken concurrently with AP Chem).

Organic chemistry is a sub discipline of chemistry that is prevalent in every person's life. Organic chemistry is the study of carbon containing compounds and their uses, reactions, functions, and application to life. The use of math in organic chemistry is very limited due to the nature of study and is very different from general chemistry. The student will study organic compounds, functional groups, basic organic reactions, synthesis pathways, and proper organic laboratory techniques. This course is designed for any student interested in any field of study involving chemistry, biology, certain engineering fields, or the medical field.

♦♦ Human Anatomy and Physiology Survey (BIO 103) *Grade 11-12* **1.00 credits**

This course is weighted 1.1 **3.00 college Credits**

Prerequisite: Passing grade in Biology and Chemistry and/or proficient score on Biology Keystone Exam

Overview of human anatomy and physiology. Emphasis on the relationships between the structures and functions in each body system as well as the interrelationships among all body systems in the maintenance of homeostasis. Laboratory work complements and reinforces lecture materials. Qualifying score on math placement exam required. Recommended corequisite: ENL111.

Environmental Science *Grade 11-12* **.50 credit**

Prerequisite: Successful completion of Biology & Algebra

Environmental Science emphasizes global environmental concepts as they relate to local issues. Students will perform case study analysis, problem-solving, project creation and development, computer and internet use, oral reports/discussions, laboratory measurement, data collection and analysis, along with other activities utilized to promote student-centered learning.

Astronomy *Grade 11-12* **.50 credit**

A survey of modern astronomy introducing topics from our solar system and other planetary systems, galaxies, the evolution of stars, and the methods and technology used to explore planetary and stellar processes. Included with this course is a lab that introduces the student to astronomical observations with the use of a series of telescopes and lab exercises.

Genetics and Microbiology *Grade 11-12* **1.0 credit**

(Prerequisite: Successful completion of Biology)

Genetics requires a more detailed examination of the subject and will emphasize problem solving, decision-making, critical thinking, applied learning, and knowledge. The topics covered in this course will range from Mendelian genetics to current genetics technologies and discoveries as well as their practical and ethical implications. Microbiology is a course with a major focus on the role of microorganisms such as bacteria and viruses in diseases. Other topics included in this course are some of the positive roles of microorganisms in areas such as food production, ecology and future technology. Laboratory work is stressed. This course will help prepare you to continue your Science education at the college level to prepare for careers in medical and health related fields.

Social Studies

The high school social studies program is designed to impart critical and analytical thinking skills to all students. As students explore history and are introduced to disciplines within the social sciences, they will also refine their written and oral communication skills. All students are expected to read assignments critically and participate actively in class discussions and activities.

PA School Code requires all students to be enrolled in the following history courses during their high school career:

- **United States History**
- **World History**
- **American Government**

United States History *Grade 9* 1.0 credit

This course is designed to give career pathway students a broad background in the social, political, and economic development of the United States from the American Revolution to the present. Topics include, but are not limited to, westward expansion, and causes of the Civil War, Reconstruction, the Gilded Age, Populism, Progressivism, American Expansionism, New Deal Liberalism, World Wars I and II, the Cold War, the Civil Rights Movement, the Vietnam War, 1960's Liberalism, and Neo-Conservatism.

United States History 1 *Grade 9* 1.0 credit

This course is designed to give all students a broad background in the social, political, and economic development of the United States from the French and Indian War to the end of the Civil War. Topics include, but are not limited to, the American Revolution, formation of a republican form of government, the birth of political parties, westward expansion, and causes of the Civil War. United States geography will also be an integral part of the course.

19th Century Advanced/College Prep *Grade 9* 1.0 credit

This college preparatory course will help students develop critical thinking and writing skills that they will use throughout high school and college. It will help students learn to think historically as they compare economic, political, intellectual, and social developments in Europe and the United States from the Seven Years' War to the end of the nineteenth century. Topics include, but are not limited to, the Enlightenment, American Revolution, French Revolution and Napoleon, Early American Republic, Jacksonian Democracy, the American Civil War, and European Imperialism. Students will be expected to read and write about challenging primary and secondary source materials. Since this course is also designed to prepare students for future Advanced Placement (AP) coursework in European and United States history, special emphasis will be placed on the critical thinking skills needed to complete the multiple choice and free response portions of the AP exam as well as methods to analyze primary documents.

World History *Grade 10-11* 1.0 credit

This introductory course records the contributions of individuals as it chronicles the development of world societies from the Renaissance to the present. Students will examine the conflict and cooperation between societies as they analyze political and social systems, economic and technological advances, world religions, cultural diffusion, and globalization. Special emphasis will be placed on the way geography has impacted human development. Considerable attention will also be given to developing historical thinking and communication skills.

United States History 2 *Grade 10* 1.0 credit

This is a chronological survey of the major political, economic, and social developments in United States history since the Civil War. Topics will include, but are not limited to Reconstruction, the Gilded Age, Populism, Progressivism, American Expansionism, New Deal Liberalism, World Wars I and II, the Cold War, the Civil Rights Movement, the Vietnam War, 1960's Liberalism, and Neo-Conservatism. As students learn about our nation's history, they will have the opportunity to improve their historical thinking and communication skills.

20th Century Advanced/College Prep *Grade 10* **1.0 credit**

This introductory course is designed to prepare advanced history students for future Advanced Placement (AP) coursework in European and American history. This course will help students learn to think historically as they compare economic, political, intellectual, and social developments in Europe and the United States from end of the nineteenth century until the turn of the twenty-first century. Emphasis will be placed on how liberalism, conservatism, and radicalism evolved in Europe and the United States throughout the twentieth century. Topics include, but are not limited to, American and European Imperialism, Populism, Progressivism, World War I, the Russian Revolution, the Great Depression, the Rise of Fascism, New Deal Liberalism, World War II, the Cold War, McCarthyism, the Civil Rights Movement, the Vietnam War, and the Reagan Revolution. Students will be expected to read and write about challenging primary and secondary source materials. Special emphasis will be placed on learning how to write Document-Based Questions (DBQs) for the AP exam. Considerable attention will also be given to the development of the critical thinking and communication skills necessary for success on the multiple choice and free response portions of the AP exam.

Advanced Placement United States History *Grade 11* **1.0 credit**

This course is weighted 1.1

Advanced Placement United States History is a challenging course designed to be the equivalent of a college or university level United States history survey course. The course examines the political, social, economic, intellectual, and cultural history of the United States from colonial times to the present. Students should possess strong reading and writing skills and be willing to devote substantial time to the completion of class assignments. Emphasis is placed on analytical writing, class discussion, primary source interpretation, and critical reading of secondary sources. Students who enroll in this course will be expected to read and write at the college level. They must be prepared to dedicate substantial time outside of the normal school day to the study of history and need to be committed to taking the Advanced Placement history exam offered in early May each year.

American Government *Grade 11-12* **.50 credit**

The purpose of the course American Government is to help students gain an understanding of how our nation's government is organized and operates. Students will also learn about the rights and responsibilities of the citizen in government. Students will be exposed to the process by which public policy is shaped in order to prepare them to make informed, discriminating judgments on questions that will affect the future of the nation and the world.

European History – Advanced Placement *Grade 12* **1.0 credit**

This course is weighted 1.1

Advanced Placement European History is a challenging course designed to be the equivalent of a college or university level Western Civilization survey course. The course examines the political, social, economic, intellectual, and cultural history of Europe from the Renaissance to the 21st Century. Students should possess strong reading and writing skills and be willing to devote substantial time to the completion of class assignments. Emphasis is placed on analytical writing, class discussion, primary source interpretation, and critical reading of secondary sources. Students who enroll in this course will be expected to read and write at the college level. They must be prepared to dedicate substantial time outside of the normal school day to the study of history and need to be committed to taking the Advanced Placement history exam offered in early May each year.

Elective Choice *Grade 11-12* **.50 credit**

Students are required to take one additional semester-length social studies course for graduation. Eligible choices are available in the electives portion.

Social Studies - Electives

The following elective is available for all pathways. It may be scheduled on a case by case basis depending upon the student pathway, grade level and prerequisites necessary.

Economics ***Grade 11-12*** **.50 credit**

The study of economics will introduce students to the foundations and operations of the American free enterprise system and acquaint the students with other economic systems in the world. The theory of the market economy and the modifications that have been made to it will also be studied. Students will examine domestic and international challenges to the economy of the United States and analyze complex global economic issues. By providing the students with economic knowledge and critical thinking skills, this course ensures that each student will be prepared to participate actively and intelligently in civic issues.

Crime and the Law ***Grade 11-12*** **.50 credit**

The purpose of this elective course is to give students a basic understanding of our criminal and legal systems. Topics included, but are not limited to, the history of our legal system, the courts, causes of crime, and entire criminal justice system. The focus of the course is on criminal law with students actively participating in two mock trials and one mock crime scene investigation.

Introduction to Psychology ***Grade 11-12*** **.50 credit**

Psychology is the study of mental processes, and how the mind and body work together. The content of this course includes, but is not limited to, the history of psychology, research, statistics, personal and social development, cognitive and emotional development, sensation and perception, sleep and dreams, conditioning, motivation, disorders and forms of therapy.

AP Seminar ***Grade 10-12*** **1 Credit**

AP Seminar provides students with a rare opportunity to engage in interdisciplinary conversations that explore the complexities of academic and real-world topics from multiple perspectives. Students will learn to synthesize information from multiple sources and develop their own authorial voice in written essays. Students will also apply scholarly research skills to evaluate information and craft evidence-based arguments in cross-curricular contexts.