2026-2027 Career Planning and Course Description Guide

Selinsgrove Area High School

500 Broad Street
Selinsgrove, PA 17870
www.seal-pa.org

Selinsgrove Area School District

www.seal-pa.org

500 Broad Street
Selinsgrove, PA 17870
570-374-1144

Dr. Frank Jankowski, Superintendent
Mr. Brian Parise, Assistant Superintendent
Mrs. Susan Lipsey, Director of Special Education
Mr. Michael Sokoloski, Business Manager

Administration
Dr. Matthew N. Conrad, Principal
Mrs. Caitlin Swank, Assistant Principal

High School Counselors
Mr. Matt Lehman, Last Names A – G
Mrs. Amy Veach, Last Names H - P
Mrs. Lynn Aurand, Last Names Q - Z

Selinsgrove Area High School is a Global Scholars High School

Table of Contents

Introduction

Students attending Selinsgrove Area High School must take a combination of core academic subjects and electives to complete the school's 27 credit graduation requirement. Students will work with their counselors, teachers and parents to develop their program of study and schedule all classes needed for graduation. Parents and students are encouraged to read the course descriptions carefully during this process. Pay close attention to all course prerequisites and grade-level restrictions when making course selections for the upcoming school year. In addition, those core courses approved by the National Collegiate Athletic Association (NCAA) Eligibility Center have been marked accordingly. HOWEVER, if you are an athlete, be sure to read the information about the NCAA in the resources section of this guide.

Students should speak with their teachers for recommendations regarding courses and course levels. This information, along with the students' grades, should be valuable in selecting the proper course level for certain subjects. It is important that students have appropriate academic placement, and the teacher recommendation is very helpful in this process. Please consider these recommendations.

This course guide also includes important information related to career planning and career clusters. Selinsgrove Area High School Career Pathways include suggested sequences of core courses as well as recommended electives and activities for each of the career clusters. These are recommendations only. Students will continue to have the opportunity to explore all areas by choosing courses and electives. Following a career pathway or cluster does not necessarily mean they are "locked" into a certain career or path.

Course Selection

Directions for completing the Course Selection Worksheet and then completing the selections in Sapphire:

Primary Course Selections: Students must select a total of exactly **8 credits**. These 8 credits are to include both academic core courses and electives. These 8 credits will be considered the student's "first" or primary choices. When selecting a primary course, please be sure to select the correct course number.

Alternate Course Selections: In addition to the Primary Course Selections, all students **must select at least two (2) credits of alternate courses.** The alternate course selections **will be** used if a primary course is not available next year due to low enrollment or a scheduling conflict. When choosing an alternate course, make sure that you are selecting it as an alternate course in Sapphire.

Schedule Changes/Drop/Add

Students should carefully select courses that will satisfy all graduation requirements and prepare them to achieve their post-high school goals. During the scheduling process students are encouraged to seek recommendations for course selection from their teacher, school counselor, and parents/guardians. All schedule changes must be requested by **August 6th**. Students should contact the appropriate guidance counselor as soon as possible in the summer to arrange schedule changes. While a face-to-face meeting is preferable, students may also call the guidance office to speak to a counselor or send an email to the appropriate counselor to request a schedule change. Students are assigned to counselors based on the first letter of the student's last name:

(A-G) Matt Lehman	mlehman@seal-pa.org
(H-P) Amy Veach	aveach@seal-pa.org
(Q-Z) Lynn Aurand	laurand@seal-pa.org

Student schedules will be considered complete as of the **August 6th deadline**. Schedule adjustments will be made to accommodate for course failures and/or the successful completion of summer school course work, as appropriate.

Please Note: Once the semester begins, requests for schedule changes will not be honored unless there are extenuating circumstances such as: 1. a student is in a 2nd year language class when they did not have the first level of the language, 2. being placed in a class that is too difficult for them, and this is corroborated by the teacher (i.e. an advanced mathematics course). Requests for schedule changes that are based on a student changing their mind or wanting an easier course will not be considered

due to the opportunity to change classes prior to the beginning of school for first semester courses and prior to **November 20th** for 2nd semester courses.

* Courses dropped from the sixth through tenth (6th-10th) days of the semester may result in a "Withdrawal-Passing (W-P) or Withdrawal –Failure (W-F)" grade (as determined by the classroom teacher) being recorded on the student's permanent record, and no credit will be awarded.
* Any courses dropped after the tenth (10th) day of the semester will automatically result in a "Withdrawal-Failure (W-F)" grade being recorded on the student's permanent record and no credit will be awarded.
* No requests for mid-year course changes will be honored for year-long courses (e.g., band, chorus, advanced placement electives, etc.). Exceptions to this policy will only be made because of unanticipated academic necessities, such as failing a different required course, and only with approval of the principal. In such situations, a "Withdrawal-Failure (W-F)" grade will be recorded on the student's permanent record for the full year course and no credit will be awarded.

Career Planning and Pathways

Career Pathways:

A career pathway is a broad grouping of careers that share similar characteristics and whose employment requirements call for many common interests, strengths, and competencies. A chosen Pathway focuses a student's elective courses toward preparing for a specific goal area.

The goals of the information and activities in this guide are to help focus on a career area that matches interests in high school, to help set goals and discover classes necessary to achieve those goals, to create career awareness and encourage planning for postsecondary education and opportunities, and to provide knowledge that relates your high school education to the world after graduation.

The process of choosing a career pathway or cluster to guide course selection is one of many activities supporting career exploration and awareness. These activities started in elementary school and continued through the intermediate and middle school years.

Using this planner:

Over the next several years, you will be exploring various career fields. As you select a career field and then narrow it to occupations, you will need an academic program that gives you a solid foundation. You may select courses which are recommended core courses and elective courses which lead to specific career goals.

The Holland Type Inventory on the following pages includes a self-assessment tool to help narrow down a primary and secondary pathway for possible exploration. If you have a career pathway in mind already, it is recommended that you still complete the inventory. Continue to review the information in the inventory and career pathway guides as you make course selections.

There are no wrong answers. Your likes and dislikes are very important in career planning. They will supply you with ideas about the types of jobs that might be a "best fit" for you. Since these assessments are only part of the entire career puzzle, the results might not be exactly what you expect. Use these results and other experiences to broaden your search and explore careers that you might not have otherwise considered.

The assessment that follows is based on the Holland Interest Inventory. At the end of the assessment, you will have an interest profile that matches different career areas. Once you have completed and scored your results, you will get a primary and secondary pathway option for your future planning.

Holland Types and Pathway Matches

Step 1: In each group, √ check the items that describe you. Then, count the number of checkmarks and fill in the total. Be as honest as you can. Remember, there are no wrong answers.

R = Realistic

Realistic people like to take a concrete approach to problem solving rather than rely on abstract theory. They generally show an interest in activities that require motor coordination, skill and physical strength.
Pathways related to this type:

- *Engineering and Industrial Technology*
- *Science and Health*
- *Business, Finance and Information Technology*

Are you?		Can you?		Like to?	
	Practical		Fix mechanical things		Tinker with mechanics
	Athletic		Solve mechanical problems		Work outdoors
	Straightforward		Pitch a tent		Be physically active
	Mechanically Inclined		Play a sport		Use your hands
	A nature lover		Read a blueprint		Build things
			Work on cars		Operate tools and machinery
				R TOTAL =	

I = Investigate

Investigative people prefer to think, rather than act, to organize and understand rather than persuade. They tend to be good at math and science.
Pathways related to this type:

- *Science and Health*
- *Engineering and Industrial Technology*
- *Business, Finance, and Information Technology*

Are you?		Can you?		Like to?	
	Inquisitive		Think abstractly		Explore ideas
	Analytical		Solve math problems		Use computers
	Scientific		Understand physical theories		Work independently
	Observant		Do complex calculations		Perform lab experiments
	Precise		Use a microscope		Read scientific articles
			Analyze data		Read technical magazines
				I TOTAL =	

A = Artistic

Artistic people like to work in unstructured situations where they can use their creativity. They enjoy performing (theater and music) and the visual arts.
Pathways related to this type:

- *Arts and Communications*
- *Human Services*

Are you?		Can you?		Like to?	
	Creative		Sketch, draw, paint		Attend concerts, art exhibits
	Intuitive		Play an instrument		Read fiction, plays, poetry
	Imaginative		Write stories, poetry, music		Work independently
	Observant		Do complex calculations		Work on crafts
	Innovative		Design fashions or interiors		Take photographs
	An individualist		Sing, act, dance		Express yourself creatively
				A TOTAL =	

S = Social

Social people like to work with other people and seem to satisfy their need in teaching, counseling or caring for other people. They are often good public speakers with helpful, empathic personalities.

Pathways related to this type:

- *Human Services*
- *Science and Health*
- *Business, Finance, and Information Technology*

Are you?		Can you?		Like to?	
	Friendly		Teach/Train others		Work in groups
	Helpful		Express yourself clearly		Help people with problems
	Idealistic		Lead a group discussion		Participate in meetings
	Insightful		Moderate disputes		Do volunteer service
	Outgoing		Plan and supervise an activity		Work with young people
	Understanding		Cooperate well with others		Play team sports
				S TOTAL =	

E = Enterprising

Enterprising people are verbally skilled and enjoy influencing and persuading others. They like to lead and tend to be assertive and enthusiastic.

Pathways related to this type:

- *Business, Finance, and Information Technology*
- *Human Services*

Are you?		Can you?		Like to?	
	Self-confident		Initiate projects		Make decisions affecting others
	Assertive		Convince people		Be elected to office
	Sociable		Sell things or promote ideas		Win leadership/sales awards
	Persuasive		Give talks or speeches		Start your own campaign
	Enthusiastic		Arrange activities/events		Meet important people
	Energetic		Lead a group		
				E TOTAL =	

C = Conventional

Conventional people don't mind rules and regulations and demonstrate self-control. They prefer structure and order in their work, are highly organized and generally place value on prestige and status.

Pathway related to this type:

- *Business, Finance, and Information Technology*
- *Human Services*
- *Arts and Communications*

Are you?		Can you?		Like to?	
	Well-groomed		Work well within a system		Follow defined procedures
	Accurate		Do a lot of paperwork timely		Use data processing equipment
	Numerically inclined		Keep accurate records		Work with numbers
	Methodical		Use a computer		Type or take notes
	Conscientious		Write an effective business letter		Be responsible for details
	Efficient				
				C TOTAL =	

Holland Types and Pathways Matches

Step 2: Using your totals, identify the three letters that have the highest scores. Record the letter and number of checks in the boxes below.

My Interest Codes Are:

1st Letter:	2nd Letter	3rd Letter:
# of Checks:	# of Checks:	# of Checks:

Step 3: Now you will match your Holland Interest Type with the Career Pathways. In the first column below circle your three interest code letters wherever they appear.

Interest Codes:	**Pathways:**
A C S E	Arts and Communications (AC)
R I S E C	Business, Finance, and Information Technology (BFIT)
R I	Engineering and Industrial Technology (EIT)
S A E C	Human Services (HS)

Step 4: Count the number of circles in each Pathway to determine your Primary and Secondary Pathways.

Primary Pathway:_____(Greatest number of circles)

Secondary Pathway:_____(Second greatest number of circles)

In case of a tie, go back and review the assessment for more indication factors or contact your guidance counselor for assistance.

NOTE: This tool, as well as a series of other types, will be used to assist students and parents in their selection process. This is intended to provide suggestions and general information, **NOT** to lock students into certain pathways. As always, this is an ongoing process.

Five Career Pathways and Selinsgrove Career Clusters

Arts and Communication (AC)

Designed to cultivate students' awareness, interpretation, application, and production of visual, verbal, and written art.

- Selinsgrove Area School District Career Cluster Plan of Study
  - Arts. A/V Technology & Communication

Business, Finance, and Information Technology (BFIT)

Preparing students for careers in the areas of business, finance, and information services.

- Selinsgrove Area School District Career Cluster Plan of Study
  - Information and Technology
  - Finance
  - Business Management and Administration
  - Marketing

Engineering and Industrial Technology

Creating awareness and application opportunities in areas related to technologies necessary to design, develop, install, or maintain physical systems.

- Selinsgrove Area School District Career Cluster Plan of Study
  - Transportation, Distribution, and Logistics
  - Manufacturing
  - Architecture and Construction

Human Services

Designed to cultivate students' interests, skills, and experience for employment in careers related to human needs.

- Selinsgrove Area School District Career Cluster Plan of Study
  - Government and Public Administration
  - Education and Training
  - Human Services
  - Hospitality and Tourism
  - Law, Public Safety, Corrections, and Security

Science and Health

This cluster is designed to cultivate students' interests in the life, physical and behavioral sciences. This could also include the planning, managing and providing therapeutic services, diagnostic services, health information and research development.

- Selinsgrove Area School District Career Cluster Plan of Study
  - Science, Technology, Engineering, and Math
  - Agriculture, Food, and Natural Resources
  - Health Sciences

ACT 158 0f 2018

Act 158 of 2018 provides an outline of **five** distinct pathways to meet PA state graduation requirements.

Pathway 1 - Keystone Proficiency Pathway

Students will earn proficient or advanced on all three Keystone Exams (Algebra 1, Literature, and Biology).

Pathway 2 – Keystone Composite Score

Students will earn proficient or advanced on at least one Keystone Exam and score at least basic on the other two keystone exams and have a composite score of at least 4452.

Pathway 3 – Career & Technical Education Pathway
Students will meet local requirements for academic content covered by the Keystone Exams for all subjects where they did not earn proficiency on the Keystone Exam.

AND

Either –
Attain an industry-based competency certification related to the CTE Concentrator's program of study.

OR
Demonstrate a high likelihood of success on an approved industry-based competency assessment or readiness for continued meaningful engagement in the CTE Concentrator's program of study.

Pathway 4 – Alternate Assessment Pathway
Students will meet local requirements for academic content covered by the Keystone Exams for all subjects where they did not earn proficiency on the Keystone Exam.

AND – One of the Following
Attain an established score on an approved alternate assessment for each subject where the student did not earn proficiency. Approved alternate assessments are:

- AP (3), IB (4), PSAT (970), SAT (1010), ACT (21)
- ACT Work Keys: Gold Level
- ASVAB – minimum score required to gain admittance to a branch of the armed services in the year the student graduates

OR

Successfully complete a concurrent enrollment course in an academic content area associated with each Keystone Exam in which the student did not achieve at least proficiency:

- Credit-bearing non-remedial approved concurrent course
- Aligned to the respective keystone exams
- Passing grade on the approved concurrent course
- High school or college transcript as evidence

OR

Successfully complete a pre-apprentice program:

- Specific career training designed to prepare a student for an occupation in an approved schedule of related instruction
- Program must be registered with the Director Apprenticeship and Training Office, PA Department for Labor, and Industry
- Meets all pre-apprenticeship program requirements, per specific industry requirements

OR

Be accepted in an accredited 4-year nonprofit institution of higher education and have evidence of the ability to enroll in college-level work:

- Acceptance letter from an accredited 4-year nonprofit institution
- Placement test results which indicate that the student may enroll in college-level work
- College registration form confirming enrollment
- Local profile of an acceptable high school GPA, attendance record, and SAT/ACT score

Pathway 5 – Evidence Based Pathway
Students will meet local requirements for academic content covered by the Keystone Exams for all subjects where they did not earn proficiency on the Keystone Exam.

AND THREE (3) PIECES OF EVIDENCE

At least one (1) of the following:

- Attainment of an established score on an alternate assessment
    - SAT Subject Test – 630
    - ACT Work Keys: Silver Level
    - AP (3) or IB (3) related to student career choice
- Acceptance to an, other than, 4-year accredited nonprofit institution of higher education
    - Acceptance letter
    - Placement test results
    - College registration form
    - Local profile of acceptable HS GPA, attendance record, CAT/ACT score
- Attainment of an industry recognized credential
    - Documentation that verifies attainment as defined by the Office of Elementary and Secondary Education
- Successful completion of concurrent enrollment or postsecondary course
    - Credit bearing non-remedial course
    - Approved concurrent course aligned to the respective keystone
    - Passing grade on an approved concurrent course
    - High school or college transcript as evidence
- Service-Learning Project completion
    - Must include project learning goal(s), project activities, and the project's contribution to the community
    - Supervised and assessed by an adult; successful completion is verified in writing by the adult supervisor
    - Sufficient duration and intensity to address identified community needs and meet specified project learning goal(s)
- Proficient or Advanced on a Keystone Exam
    - Scaled score of 1500 or higher on one Keystone Exam
- Letter guaranteeing full-time employment
- Internship or Cooperative Education Program
    - Appendix A – Industry-based Learning Indicator Guidance: work-based learning experiences
- Compliance with NCAA's core courses for college-bound student athletes
    - Minimum GPA requirements (2.0) in approved NCAA core courses

Alternate to the Pathways

In addition to the 5 pathways described above there are two (2) other provisions available.

- Graduation based on IEP team decisions based upon academic goals
- Superintendent's waiver for students with extenuating circumstances (5%)

Agriculture, Food and Natural Resources

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Agriculture, Food and Natural Resources Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Intro to Ag Science Intro to Ag Mechanics*	***Required Courses:*** *.5 Health 1 Technology 1.5 PE .5 Personal Finance .5 Career Prep .5 Arts* ***Recommended Activities:*** *FFA FBLA Outdoors Club*	► *Agricultural Chemical Dealer* ► *Agricultural Educator* ► *Aqua culturalist* ► *Bank/Loan Office* ► *Botanist* ► *Ecologist* ► *Environmental Compliance Assurance Manager* ► *Environmental Engineer* ► *Equine Manager* ► *Farm Manager* ► *Fish and Game Officer* ► *Health and Safety Sanitarian* ► *Meat Cutter-Meat Grader* ► *Park Manager* ► *Produce Buyer* ► *Recycling Technician* ► *Wildlife Manager* ► *Plant Pathologist* ► *Veterinarian*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*	*Ag. Leadership A/SAE and Building Const. or Horticulture A*		
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*	*Ag. Leadership B/SAE and Power Engineering 1 Welding 1 or Horticulture B Veterinary Science1*		
	12	*English 4 or AP English*	*Career and Technical Course*	*Career and Technical Course*	*Career and Technical Course*	*Ag. Leadership C/SAE and Power Engineering 2 Welding 2 or Horticulture C Veterinary Science2*		
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Arts, A/V Technology & Communications

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Arts, A/V Technology & Communications Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Mat. Process. 1,2 Man Tech Advanced Materials Economics Accounting 1 Technical Drawing 1, 2 Digital Photography Design Engineering Technology 1, 2 Web Design 1, 2 Intro to Art Drawing and Painting 1, 2 Sculpture 1, 2 Advanced Art Computer Applications Microsoft Office Certification Sports & Entertainment Marketing Band and Chorus Options Music Theory 1, 2 Piano 1-4 Musical Theater Popular Music Trends Technical Drawing 1, 2*	***Required Courses:*** *.5 Health 1 Technology 1.5 PE .5 Personal Finance .5 Career Prep* ***Recommended Activities:*** *Yearbook Newspaper Student Council Forensics World Languages Clubs Prom Committee*	► *Actor* ► *Audio-Video Designer and Engineer* ► *Broadcast Technician* ► *Commercial Artist* ► *Computer Animator* ► *Curator/Gallery Manager* ► *Director and Coach* ► *Fashion Designer* ► *Journalist* ► *Lithographer* ► *Musician* ► *Printing Equipment Operator* ► *Telecommunication Technician* ► *Videographer* ► *Web Page Designer*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4:Drama or AP English*	*Career and Technical Course*	*Career and Technical Course*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Business, Management & Administration

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Business, Management & Administration Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Economics Accounting 1 Financial Accounting Entrepreneurship Web Design 1, 2 Computer Applications Microsoft Office Certification Sports Entertainment Marketing Today's Law Money Talks: Stock & Bonds Probability and Statistics World Languages*	***Required Courses:*** *.5 Health 1 Technology 1.5 PE .5 Personal Finance .5 Career Prep* ***Recommended Activities:*** *FBLA TSA Yearbook Newspaper Student Council Key Club Forensics World Languages Clubs*	► *Administrative Assistant* ► *Advertising Sales Person* ► *Auditor* ► *Business Consultant* ► *Certified Public Accountant* ► *Corporate Trainer* ► *E-Commerce Analyst* ► *Entrepreneur* ► *Facilities Manager* ► *Finance Director* ► *Human Resources Manager* ► *Investment Executive* ► *Marketing Analyst* ► *Medical Transcriptionist* ► *Office Manager* ► *OSHA/ADA Compliance Officer* ► *Personnel Recruiter* ► *Public Relations Manager* ► *Sales Representative* ► *Wholesale and Retail Buyer*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Career and Technical Course*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Education & Training

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Education & Training Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Economics Digital Photography & Adobe Photoshop Web Design 1, 2 Intro to Art Computer Applications Microsoft Office Certification Child Development Introduction to Exceptionalities World Languages Contemporary Issues Psychology*	***Required Courses:*** *.5 Health 1 Technology 1.5 PE .5 Personal Finance .5 Career Prep* ***Recommended Activities:*** *Educators Rising Club World Languages Clubs Key Club Forensics SADD Student Council Newspaper Yearbook*	► *Administrator* ► *Assessment Specialist* ► *Career Tech Administrator* ► *Child Care Worker* ► *Clinical Psychologist* ► *Coach* ► *College/University Faculty* ► *Counselor* ► *Curriculum Developer* ► *Elementary Teacher* ► *High School Teacher* ► *Middle School Teacher* ► *Principal* ► *Speech-Language Pathologist*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Career and Technical Course*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Finance

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Finance Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Economics Accounting 1 Financial Accounting Entrepreneurship Web Design 1, 2 Computer Applications Microsoft Office Certification Sports Entertainment Marketing World Languages Today's Law Money Talks: Stocks & Bonds Contemporary Issues Probability and Statistics Psychology*	***Required Courses:*** *.5 Health 1 Technology 1.5 PE .5 Personal Finance .5 Career Prep .5 Arts* ***Recommended Activities:*** *Future Business Leaders of America Key Club Yearbook Forensics Student Council*	► *Abstractor* ► *Accountant* ► *Actuary* ► *Bill and Account Collector* ► *Commodities Representative* ► *Controller* ► *Credit Analyst* ► *Debt Counselor* ► *Economist* ► *Financial Planner* ► *Foreign Exchange Manager* ► *Fund Raiser* ► *Insurance Broker* ► *Internal Auditor* ► *Loan Officer* ► *Non-Profit Manager* ► *Tax Examiner* ► *Title Researcher and Examiner* ► *Treasurer* ► *Trust Officer* ► *Underwriter*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Career and Technical Course*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Government & Public Administration

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Government & Public Administration Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Economics Accounting 1 Financial Accounting Entrepreneurship Web Design 1, 2 Computer Applications Microsoft Office Certification Sports & Entertainment Marketing World Languages Today's Law Money Talks: Stocks & Bonds Contemporary Issues Probability and Statistics Psychology*	***Required Courses:*** *.5 Health 1 Technology 1.5 PE .5 Personal Finance .5 Career Prep .5 Arts* ***Recommended Activities:*** *Future Business Leaders of America Student Council Forensics Key Club World Languages Clubs Newspaper Yearbook*	► *Ambassador* ► *Bank Examiner* ► *City Manager* ► *Combat Control Officer* ► *Commissioner* ► *Cryptographer* ► *Election Supervisor* ► *Elected Official* ► *Foreign Service Officer* ► *Immigration Officer* ► *Intelligence Analyst* ► *Internal Revenue Investigator* ► *Lobbyist* ► *National Security Advisor* ► *Planner* ► *Policy Advisor* ► *Tax Policy Analyst*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Career and Technical Course*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Health Science

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Health Science Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Accounting 1 Financial Accounting Web Design 1, 2 Computer Applications Microsoft Office Certification Child Development Intro to Psychology Psychology AP Anatomy & Physiology Intro to Organic/Biochemistry Introduction to Exceptionalities Probability & Statistics World Languages Intro to Sports Medicine*	***Required Courses:*** *.5 Health, 1 Technology 1.5 PE .5 Personal Finance .5 Career Prep .5 Arts* ***Recommended Activities:*** *Health Careers Club World Languages Clubs Key Club Forensics SADD Student Council*	► *Dental Assistant/Hygienist* ► *EMT/Paramedic* ► *Health Information Coder* ► *Home Health Aide* ► *Lab Technician* ► *Phlebotomist* ► *Radiographer* ► *Registered Nurse* ► *Athletic Trainer* ► *Biochemist* ► *Biostatistician* ► *Geneticist* ► *Industrial Hygienist* ► *Nutritionist* ► *Occupational Therapist* ► *Physician (MD/DO)* ► *Physician's Assistant* ► *Psychologist* ► *Radiologist* ► *Research Scientist* ► *Speech/Language Pathologist* ► *Toxicologist* ► *Veterinarian*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Biology AP or Chemistry AP*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Hospitality & Tourism

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Hospitality & Tourism Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Economics Accounting 1 Financial Accounting Entrepreneurship Digital Photography Web Design 1, 2 Intro to Art Computer Applications Microsoft Office Certification World Languages Discovering Foods Asian Cuisine and Culture European Cuisine and Culture Money Talks: Stocks & Bonds Today's Law Intro to Psychology Psychology AP Contemporary Issues Sports Entertainment & Marketing*	***Required Courses:*** *.5 Health, 1 Technology 1.5 PE .5 Personal Finance .5 Career Prep .5 Arts* ***Recommended Activities:*** *Future Business Leaders of America Forensics Club Key Club World Languages Clubs Student Council Yearbook Newspaper Outdoor Club*	► *Baker* ► *Bartender* ► *Casino Manager* ► *Caterer* ► *Concierge* ► *Convention Services Manager* ► *Director of Operations - Lodging* ► *Director of Tourism Development* ► *Event Planner* ► *Executive Chef* ► *Facilities Manager* ► *Maitre d'* ► *Museum Director* ► *Reservations Manager* ► *Restaurant Owner/Manager* ► *Sports Promoter* ► *Theme Park Manager* ► *Tour and Travel Guide* ► *Travel Agent* ► *Wine Steward*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Biology AP or Chemistry AP*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Human Services

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Human Services Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Accounting 1 Financial Accounting Digital Photography Web Design 1, 2 Intro to Art Computer Applications Microsoft Office Certification Child Development Introduction to Exceptionalities World Languages Contemporary Issues Intro to Psychology Psychology AP Today's Law Money Talk: Stocks & Bonds Anatomy & Physiology 1 Discovering Food Asian Cuisine and Culture European Cuisine and Culture,*	***Required Courses:*** *.5 Health, 1 Technology 1.5 PE .5 Personal Finance .5 Career Prep .5 Arts* ***Recommended Activities:*** *World Languages Clubs Key Club Forensics SADD Student Council Newspaper Yearbook Young Disciples Club FBLA*	*► Buyer ► Certified Financial Planner ► Community Service Director ► Consumer Advocate ► Cosmetologist ► Director of Childcare Facility ► Emergency and Relief Worker ► Esthetician ► Funeral Director ► Licensed Professional Counselor ► Market Researcher ► Massage Therapist ► Personal Fitness Trainer ► School Psychologist/Counselor ► Small Business Owner ► Social Worker*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Biology AP or Chemistry AP*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Information Technology

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Information Technology Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Economics Accounting 1 Financial Accounting Entrepreneurship Technical Drawing 1, 2 Digital Photography & Adobe Photoshop Design Engineering Technology Web Design 1, 2 Computer Applications Microsoft Office Certification*	***Required Courses:*** *.5 Health, 1 Technology 1.5 PE .5 Personal Finance .5 Career Prep .5 Arts* ***Recommended Activities:*** *TSA FBLA Newspaper Yearbook World Languages Clubs Student Council Key Club*	► *Animator* ► *Database Administrator* ► *Data Systems Designer* ► *E-Business Specialist* ► *Game Developer* ► *Information Technology Engineer* ► *Media Specialist* ► *Network Administrator* ► *Network Security Analyst* ► *PC Support Specialist* ► *Programmer* ► *Software Applications Specialist* ► *Systems Administrator* ► *Telecommunications Network . Technician* ► *User Support Specialist* ► *Virtual Reality Specialist* ► *Web Architect/Designer*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Biology AP or Chemistry AP*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Law, Public Safety, Corrections & Security

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Law, Public Safety, Corrections & Security Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Accounting 1 Financial Accounting Entrepreneurship Web Design 1, 2 Computer Applications Microsoft Office Certification Today's Law Money Talks: Stocks & Bonds Probability and Statistics Contemporary Issues Intro to Psychology Psychology AP World Languages Anatomy & Physiology Power Weights Child Development*	***Required Courses:*** *.5 Health, 1 Technology 1.5 PE .5 Personal Finance, .5 Career Prep .5 Arts* ***Recommended Activities:*** *FBLA Student Council Forensics Key Club World Languages Clubs Newspaper Yearbook Outdoors Club*	► *Attorney* ► *Bomb Technician* ► *Corrections Officer* ► *Court Reporter* ► *Criminal Investigator* ► *EMT* ► *Federal Marshall* ► *Firefighter* ► *Gaming Surveillance Specialist* ► *Hazardous Materials Responder* ► *Loss Prevention Specialist* ► *Paralegal* ► *Park Ranger* ► *Police and Patrol Officer* ► *Probation/Parole Officer* ► *Public Information Officer* ► *Security Director* ► *Youth Services Worker*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Biology AP or Chemistry AP*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Manufacturing

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Manufacturing Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Building Construction Welding Technology 1, 2 Power Engineering 1, 2 Materials Processing 1,2 Manufacturing Technology Advanced Materials Economics Accounting 1 Financial Accounting Entrepreneurship Technical Drawing 1, 2 Digital Photography Design Engineering Technology 1, 2 Web Design 1, 2 Intro to Art Computer Applications Microsoft Office Certification*	***Required Courses:*** *.5 Health, 1 Technology 1.5 PE .5 Personal Finance, .5 Career Prep .5 Arts* ***Recommended Activities:*** *Technical Students Association Outdoors Club*	► *Assembler* ► *Boilermaker* ► *Design Engineer* ► *Environmental Engineer* ► *Foundry Worker* ► *Freight, Stock and Material Mover* ► *Health and Safety Representative* ► *Industrial Machinery Mechanic* ► *Inspector* ► *Labor Relations Manager* ► *Logistician* ► *Manufacturing Technician* ► *Pattern and Model Maker* ► *Production Manager* ► *Quality Control Technician* ► *Safety Engineer* ► *SPC Coordinator* ► *Tool and Diemaker* ► *Traffic Manager* ► *Welder*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Biology AP or Chemistry AP*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Marketing

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Marketing Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Economics Accounting 1 Financial Accounting Entrepreneurship Digital Photography Web Design 1, 2 Intro to Art Computer Applications Microsoft Office Certification World Languages Money Talks: Stocks & Bonds Today's Law Psychology Contemporary Issues Sports Entertainment Marketing*	***Required Courses:*** *.5 Health, 1 Technology 1.5 PE .5 Personal Finance, .5 Career Prep .5 Arts* ***Recommended Activities:*** *FBLA Forensics Club Key Club World Languages Clubs Student Council Yearbook Newspaper Prom Committee*	*► Copywriter/Designer ► E-Commerce Director ► Entrepreneur ► Field Marketing Representative ► Forecasting Manager► Interactive Media Specialist ► Inventory Manager/Analyst ► Logistics Manager ► Merchandise Buyer ► On-line Market Researcher ► Public Relations Manager ► Promotions Manager► Retail Marketing Coordinator ► Sales Executive ► Shipping/Receiving Clerk ► Telemarketer ► Trade Show Manager ► Warehouse Manager ► Webmaster*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Biology AP or Chemistry AP*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communicatio n*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Science, Technology, Engineering & Mathematics

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Science, Technology, Engineering & Mathematics Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Web Design 1, 2 Computer Applications Microsoft Office Certification Design Engineering Technology Technical Drawing 1, 2, 3 Psychology Anatomy & Physiology Probability and Statistics Statistics AP World Languages*	***Required Courses:*** *.5 Health, 1 Technology 1.5 PE .5 Personal Finance, .5 Career Prep .5 Arts* ***Recommended Activities:*** *TSA World Languages Clubs Key Club Forensics Student Council*	*► Aerospace Engineer ► Agricultural Engineer ► Analytical Chemist ► Anthropologist ► Architectural Engineer ► Astrophysicist ► Biomedical Engineer ► CAD Technician ► Civil Engineer ► Computer Programmer ► Ecologist ► Geologist ► Geothermal Engineer ► Math Teacher ► Mathematician ► Metallurgist ► Statistician ► Survey Technician ► Zoologist*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry or Pre-Calculus*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Calculus AP or Career and Technical Course*	*Biology AP or Chemistry AP or Physics*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Transportation, Distribution & Logistics

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Transportation, Distribution & Logistics Career Cluster) can serve as a guide, along with other career planning materials, as Selinsgrove Area High School learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies	*Career and Technical Courses and/or Degree Major Courses for Agriculture, Food and Natural Resources	Other Required Courses Other Electives Recommended Electives Learner Activities	Occupations Relating to This Career Cluster
SECONDARY	9	*English 1 or Honors English 1*	*Algebra 1 or Algebra 2*	*Integrated Science or Integrated Science Honors*	*WAHG 1 or WAHG 1 Honors*	*Economics Accounting 1 Financial Accounting Entrepreneurship Web Design 1, 2 Computer Applications Microsoft Office Certification Probability and Statistics Psychology World Languages Power Engineering 1, 2*	***Required Courses:*** *.5 Health, 1 Technology 1.5 PE .5 Personal Finance, .5 Career Prep .5 Arts* ***Recommended Activities:*** *FFA Outdoor Club FBL TSA World Languages Clubs*	► *Airplane Pilot/Co-Pilot* ► *Air Traffic Controller* ► *Avionics Technician* ► *Cargo and Freight Agent* ► *Customs Inspector* ► *Environmental Manager* ► *Facility Engineer* ► *Industrial Equipment Mechanic* ► *Industrial and Packaging Engineer* ► *International Logistics Specialist* ► *Locomotive Engineer*► *Marine Captain* ► *Port Manager* ► *Safety Analyst* ► *Storage and Distribution Manager* ► *Transportation Manager* ► *Truck Driver* ► *Urban and Regional Planner* ► *Warehouse Manager*
	10	*English 2 or English 2 Honors*	*Algebra 2 or Plane Geometry or Trigonometry/Analytic Geometry Honors*	*Biology or Biology Honors*	*WAHG 2 or WAHG 2 Honors*			
	11	*English 3 or English 3 Honors*	*Plane Geometry*	*Environmental Science or Chemistry*	*Civics and Government*			
	12	*English 4 or AP English*	*Career and Technical Course*	*Career and Technical Course*	*Career and Technical Course*			
POSTSECONDARY	*Year 13*	*English Composition*	*Algebra*	*Dependent or chosen pathway*			*All plans of study need to meet learner's career goals regarding required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include.*	
	Year 14	*Speech/Oral Communication*	*Dependent or chosen pathway*	*Dependent or chosen pathway*				
	Year 15	*Technical Writing*	*Statistics*	*Dependent or chosen pathway*				
	Year 16	*Continue courses in the area of specialization.*						

Academic Programs

The Course Guide is intended to provide each of you with information in planning your school program for next year and in future years. Included in the guide is a description of each required and elective course, any prerequisites for courses and the credit value assigned to each class.

Planning your program for next year will require the cooperation of you, your parents, teachers, counselors, advisors, and any others you seek out for assistance. The decisions you make will have a profound effect on what you will do in future years in high school and beyond.

There are many factors involved in assessing the success you will realize with your program. Certainly, your achievement in the classroom must be considered, along with your attitude, citizenship, character, activities record, and attendance.

Counselors will meet with all classes in assisting with the registration for the next school year. They will distribute materials, give specific directions for the classes, and answer questions as they arise. During the 3rd marking period, students will then register for the classes they wish to enroll in for the following year. Students may set up individual appointments with the counselors to discuss their future program(s).

The final decisions you make with your program rest with you. There are many who are available to assist you in arriving at your decisions, but you are responsible for the planning. You must consider carefully your aptitudes and interests, your wants and your needs, so that what you plan is what is best for you. Working with it diligently now will go a long way in assuring you a happy future.

SUN Area Technical Institute

Students will be enrolled as full-time students during their senior year. Student selection for enrollment in the various programs is done by the students' home school. During the fall of each school year, the SUN Area Counselor will visit the home school to give a presentation describing the programs offered. Policies of the SUN Area Technical Institute and its member districts provide for the development and selection of materials that do not create occupational stereotypes; hence, encouraging female and minority students to participate in the programs and activities in which they are traditionally underrepresented. Any student who is planning to attend SUN Area Technical Institute should plan to schedule two English classes and Personal Finance during their junior year if possible.

Honors Courses

Honors courses are designed to provide a greater depth of instruction at an accelerated pace. Placement into honors courses is based on strong academic performance and achievement in previous courses along with teacher recommendation. Honors courses place higher demands on a student's time. A demonstrated ability to work with a heavier workload is essential. There is also an increased demand for student participation and independent learning. **Grades earned in Honors Courses are weighted (.05 weight) only after successfully completing the course. Be sure to read the course descriptions for more specific information. Honors courses at Selinsgrove Area High School include:**

English 1 Honors (part of WAHGlish)
WAHG 1 Honors (part of WAHGlish)
English 2 Honors
WAHG 2 Honors
English 3 Honors
Biology Honors
Integrated Science Honors
Algebra 2 Honors
Trigonometry/Analytic Geometry Honors

Advanced Placement Courses

The Advanced Placement program is based on the belief that there are high school students who are capable of college-level course work. The Advanced Placement program is operated through the College Board and is national in scope. All Advanced Placement courses are designed to be the equivalent of freshman level college courses and as a result require more individual work than many other courses. **Grades earned in AP Courses are weighted (.10 weight) only after successfully completing the course. Be sure to read the course descriptions for more specific information.**

There is an Advanced Placement examination offered by the Educational Testing Service. **All students who take an Advanced Placement class are required to take the appropriate examination in May.** The cost for the tests, as set by the Educational Testing Service, is approximately $88.00 (which could be subject to change) and all tests are administered at the school.

Many colleges grant credit or advanced standing for particular grades on the examination. The amount of credit given, and the score required varies from college to college. It is the student's responsibility to apply for proper placement and credit at college.

The AP courses offered at Selinsgrove include:

United States History	Environmental Science (Alternating Years)
English (Literature and Composition)	European History
Biology	Psychology
Calculus	Statistics
Chemistry (Alternating Years)	Business/Personal Finance

Dual Enrollment Course Opportunities

SUSQUEHANNA UNIVERSITY: Susquehanna University provides certain tuition-free, college-level courses for academically talented juniors and seniors. Up to 8 credits (two courses) PER YEAR may be taken. Most students choose to take one course per semester rather than taking two courses in one semester. Students may confer with their counselors concerning this special student status. Interested students must meet district requirements and should begin to plan for this program no later than registration of the junior year. High school students may matriculate at Susquehanna University depending on course availability and school quota. All students must be approved by the high school and Susquehanna University personnel. Pre-registration and program counseling will be provided cooperatively by university officials and high school counselors. Transportation and instructional materials are the responsibility of the student.

Students attending Susquehanna must comply with rules and regulations concerning school attendance during the semester in which they are enrolled at Susquehanna. Furthermore, students must obtain a C (2.00) or higher in all courses to continue in the SU program (Susquehanna University requirement).

BLOOMSBURG UNIVERSITY: Selinsgrove Area High School participates in a program at Bloomsburg University which allows students to take college courses at reduced tuition rates. The Early College Experience (ECE) Program at Bloomsburg University allows qualified juniors and seniors to take one or more college courses. Students may save up to 75% on tuition in the ECE Program. More information about this program can be found at: www.bloomu.edu/ace

LACKAWANNA COLLEGE: Junior and/or Seniors at Selinsgrove Area High School can earn college credit from Lackawanna College in a variety of ways at a discounted rate. Students enrolled in qualifying AP courses may register and receive Lackawanna College credit for course completion. Students may also access Lackawanna's Online course offerings at a fraction of the cost per credit. Participation in this dual enrollment opportunity needs to be discussed with students' guidance counselors. More information can be obtained by contacting the high school guidance office.

LUZERNE COMMUNITY COLLEGE: Junior and/or Seniors at Selinsgrove Area High School can earn college credit from Luzerne College in a variety of ways at a discounted rate. Participation in this dual enrollment opportunity needs to be discussed with students' guidance counselors. More information can be obtained by contacting the high school guidance office.

Any student interested in taking advantage of Dual Enrollment opportunities must meet with their counselor during their junior year when they are registering for their senior year classes! All requests for dual enrollment must meet district qualifications and are subject to approval by the district.

GLOBAL SCHOLARS: The PSMLA Global Scholars Program provides all high school students the opportunity to:

- Meaningfully select interdisciplinary studies and activities.
- Develop global awareness/competency.
- Better prepare themselves for personal and professional success in an increasingly global society.

After completing all the criteria associated with becoming a Global Scholar, students qualify for a:

1. Global Scholars Certificate,
2. Global Scholars Seal on the diploma, and/or
3. Global Scholars Honor Cord to wear at graduation.

To graduate as a Global Scholar, students must meet criteria in the following areas: Academic Courses, Active Participation, Service, and Completion of a Literature/Media Review. More information about becoming a global scholar can be obtained by contacting the high school office or guidance office.

Graduation Requirements

To graduate from the Selinsgrove Area High School, students must complete the following requirements:

- Demonstrate proficiency of the PA standards
- Satisfy Board approved graduation requirements for course work
- Satisfy PA Act 158 requirements
  - Keystone Proficiency, Composite Keystone Score, Industry Cert., or Career Portfolio

Required Credits

UNITS OF CREDIT	COURSE/SUBJECT
4.0	English
3.0	Mathematics (Algebra 1 is required)
3.0	Science (Biology is required)
3.0	Social Studies (Civics is required)
1.0	Technology
1.5	Physical Education
0.5	Arts (Art, Music, World Language)
0.5	Health
0.5	Personal Finance
0.5	Career Prep/Awareness
9.5	Additional/Elective Credits
27 Total Credits Needed to Graduate	

Grade Level Suggestions – *Please refer to career pathways recommendations as well.*

9th Grade	10th Grade	11th Grade	12th Grade
English -1	English - 1	English - 1	English -1
Math -1	Math - 1	Math - 1	Core/Elective
PE - .5	PE - .5	PE - .5	Core/Elective
Social Studies -1	Social Studies - 1	Social Studies - 1	Core/Elective
Science - 1	Science - 1	Science - 1	Core/Elective
.5 Technology credit	Health - .5	Career Prep - .5	Personal Finance - .5
Elective credits - 3	Elective credits - 3	Elective credits - 3	Elective credits – 6.5
*See Below	*See Below	*See Below	*See Below
TOTAL CREDITS = 8	TOTAL CREDITS = 8	TOTAL CREDITS = 8	TOTAL CREDITS = 8

*Additional course requirement prior to graduation: an additional .5 credit of technology and .5 Arts (Art, Music, Foreign Language)

While there are no required courses in these subject areas, many colleges emphasize the desire for 4 years of study in one or more of these areas. Some stress a desire for a world language as well. Students planning on going to college after graduation should be aware of these preferences and if they have an idea of the type of college they would hope to attend, it is never too early to review their suggested courses and requirements. Colleges will also take into consideration the level or rigor of coursework selected by the student.

The following courses meet the technology requirement:

COURSE	DEPARTMENT
Computer Applications	Business

Digital Photography and Adobe Photoshop	Technology Education
Technical Drawing 1, 2	Technology Education
Manufacturing Technology	Technology Education
Design Engineering Technology	Technology Education
Web Design 1, 2	Technology Education
Visual Design – Adobe Illustrator	Technology Education

The following SUN Area Technical Institute programs meet graduation requirements as noted:

Advanced Precision Machining	Mathematics 1 Credit
Advertising Art & Design	Technology .5 Credit
Computer and Networking Technology	Technology 1 Credit
Electrical Systems Technology	Science 1 Credit
Health Professions & Related Services	Health .5 Credit

Any course taught in the Art, Music or World Languages department meets the Arts requirement.

Promotion Requirements

To advance a grade level, a student must have attained the following credits:

	Major/Core Credits	**Total Credits**
Grade 9 to Grade 10	3	6
Grade 10 to Grade 11	6	12
Grade 11 to Grade 12	9	19

KUDER

Kuder is a provider of online career education resources and training to schools and community-based organizations in Pennsylvania. Each student in the district is provided a KUDER account that allows them to explore **WHO** they are, **WHAT** they want to do as a career, and **HOW** to get to that goal. The site also serves as an activity and document repository that will be utilized for career planning and to generate a career portfolio.

Each of Kuder's programs is aligned to the Pennsylvania Academic Standards for Career Education and Work. As a result, the content helps schools and community-based training meet required teaching standards while connecting students with the real needs and opportunities within today's workplace.

SEAL of Employability

Selinsgrove Area High School is implementing a new program through which students will be recognized for their high level of employability. The **SEAL of Employability** will distinguish students who have demonstrated the skills we know employers are looking for in a high school graduate.

Students selected as recipients of this honor will have:

- Completed a SEAL Employability application (similar to a job application).
- Maintained an exemplary attendance record (including being on time regularly).
- Adhered to all aspects of the school's code of conduct including successful participation in the school's random drug testing program.
- Received faculty support through recommendations.
- Completed relevant job experiences.
    - Held a part or full-time job during high school and/or participated in internships, job shadows, etc.

Students will be awarded a certificate as well as cords to wear at graduation.

Course Offerings

Agricultural Sciences

INTRODUCTION TO AGRICULTURAL SCIENCE **Course: 4AGS101**
Grades 9 and 10 **Credit: 1.0**
Description: This course is designed to teach students about the world around them as it relates to agriculture. Students interested in careers in agriculture, food, and the natural resources systems that produce the food, fiber, and fuel that are essential to daily life should schedule this introductory course in Grade 9. Upon completion of the course, students may earn post-secondary credits that will transfer to Delaware Valley University. Students will explore career and post-secondary opportunities in each area of the course. Students who successfully complete this course will possess knowledge and skills required to enroll in agriculture science courses including Ag Leadership, Plant/Animal Science and SAE courses. Student evaluation will be based on completed projects, classroom labs, written exams, class participation and student Supervised Agricultural Experience.

INTRODUCTION TO AGRICULTURAL MECHANICS **Course: 4AGS107**
Grades 9 and 10 **Credit: .5**
This foundational class includes a mix of hands-on activities and classroom instruction including safety, measuring, woodworking, electrical work, plumbing, welding, concrete, and career exploration. The goal is to provide a strong base of practical skills and prepare students for more advanced courses or careers in the field. This course will help students gain the basic skills in each of these areas that will allow them to be successful in advanced Ag Mechanics courses including Ag Leadership, Welding, Building Construction, Power Engineering and/or SAE. Students will be heavily engaged in hands-on learning activities that require the use of hand tools and power equipment. There will also be a focus on FFA, SAE, and Career Development.

AGRICULTURAL LEADERSHIP A – Offered 2028-2029 **Course: 4AGS102**
Grades 10, 11 and 12 **Credit: 1.0**
Prerequisite: Agricultural Foundations (4AGS101)
Description: All three levels (A-C) can be taken for up to three elective credits and **do not need to be taken in any order**. Ag Leadership A is designed to promote growth in the area of premiere leadership. This course is designed for students who are members of leadership organizations, including the FFA. The purpose of this course is to teach students how to become effective leaders while motivating others to work toward common goals. Coursework will begin by studying leadership styles and personality types and advance to developing the skills necessary to lead teams and groups including Basic Parliamentary Procedure, planning for successful meetings and effectively motivating others. Students are expected to participate in group presentation planning, Career Development Events and public speaking opportunities. Proficiency and degree applications related to Supervised Agriculture Experience projects will be required. Those who plan to run for FFA offices are strongly encouraged to enroll in this course.

AGRICULTURAL LEADERSHIP B – Offered 2026-2027 **Course: 4AGS103**
Grades 10, 11 and 12 **Credit: 1.0**
Prerequisite: Agricultural Foundations (4AGS101)
Description: All three levels (A-C) can be taken for up to three elective credits and **do not need to be taken in any order.** Ag Leadership B is designed to promote progress in the area of personal growth. Students who plan to remain actively involved in the FFA or who hope to pursue an agricultural career will benefit from this course. Coursework will focus on developing the individual's leadership characteristics by examining goal setting, time management, and problem-solving situations. Advanced parliamentary procedure, public speaking, public service projects, Career Development Events and Supervised Agriculture Experience projects will be required components of the class and assist students in discovering more about themselves. Those students who plan to run for an FFA office are strongly encouraged to enroll in this course.

AGRICULTURAL LEADERSHIP C – Offered 2027-2028 **Course: 4AGS104**
Grades 10, 11 and 12 **Credit: 1.0**
Prerequisite: Agricultural Foundations (4AGS101)
Description: All three levels (A-C) can be taken for up to three elective credits and **do not need to be taken in any order.** Ag Leadership C is designed to promote growth in the area of career success. Coursework will include career exploration, interview skills and completion of applications for college and/or jobs. Employability skills, workplace ethics and conflict resolution will be explored while exposing students to many agricultural careers through Career Development Events. In addition to these topics, grades will also be based on public speaking, planning presentations and portfolio development and all students will be required to keep records on at least one approved Supervised Agriculture Experience project. Because FFA is an integral portion of this course, all officers are strongly encouraged to enroll.

BUILDING CONSTRUCTION **Course: 4AGS201**
Grades 10, 11 and 12 **Credit: 1.0**
Description: The course is designed to introduce the student to residential building construction in the specialized areas of carpentry, electricity, plumbing and masonry/concrete skills. This introductory course will provide skill levels to enable completers to perform homeowner building and repair jobs without professional assistance. The student will be able to draw, read and interpret building plans, lay foundation materials, frame, side and roof a building, wire electrical fixtures, install, or fix plumbing fixtures, calculate materials lists, and identify various tools and building materials. Student evaluation includes: tests, problem solving quizzes, class participation, shop safety habits and skill development exercises.

HORTICULTURE SCIENCE A - Offered 2026-2027 **Course: 4AGS301**
Grades 10, 11 and 12 **Credit: .5**
Description: Horticulture Science A is a specialized horticulture production class designed for the student who wishes to pursue a career in horticulture. The horticulture A course of study emphasizes the specialized areas of landscape design, turf grass production, and the specialized mechanics skills related to landscape and turf production. In addition, units of instruction in greenhouse crops and Christmas trees will be presented. Horticulture Science students will be able to propagate and transplant 10 common houseplants; prepare a landscape plan; install a landscape plan; identify 25 landscape trees, propagate and grow five greenhouse crops; install turf areas; identify 20 common weeds; identify five common lawn diseases; proportion materials for concrete; mix, place, finish and cure concrete; lay concrete block and brick; and plan a greenhouse crop rotation. To develop the above listed abilities and to promote further understanding, units of instruction will be taught in the following areas: greenhouse crop production, greenhouse structures, landscape design, block construction, and turf grass production. FFA activities are included as an integral part of this course. Students will be evaluated by written exam, problem solving, student and class projects, class participation, skill development exercises, and by student SAE and FFA activities.

HORTICULTURE SCIENCE B - Offered 2027-2028 **Course: 4AGS302**
Grades 10, 11 and 12 **Credit: .5**
Description: Horticulture Science B is a specialized horticulture class designed for the student who wishes to pursue a career in horticulture. Horticulture Science B builds upon the foundation of Agricultural Foundations in the specialized area of landscape design and nursery production. Horticulture Science B students will design and construct a landscape for a residence; maintain a home landscape; design a golf course; construct a tee and a green; identify 50 species of nursery stock; propagate and grow 20 species of nursery stock; design a cropping program for a nursery; handle and apply chemicals safely and qualify for a state restricted use chemical applicators license. To develop the above listed abilities and to promote further understanding, units of instruction will be offered in the following areas: landscape design, turf production, greenhouse crop production, chemical safety, small gasoline engines and electric motors and controls. FFA activities are included as an integral part of this course. Students will be evaluated by written exam, problem solving, student and class project work, class participation, skill development exercises, and by students SOE and FFA activities.

FLORICULTURE A – Offered 2026-2027 **Course: 4AGS304**
Grades 10, 11 and 12 **Credit: .5**
Note: Horticulture and Floriculture courses will be required for Ag Production Program completion.
Description: This course will teach basic floral and plant industry tasks as well as floral design skills and is for students who have in interest in careers related to ornamental and floral careers. This course will include plant anatomy, plant and tool identification,

floral handling, and retail marketing. Students will design/develop floral arrangements including corsages, bud vases, dish gardens and several holiday/seasonal pieces after design mechanics and the history of floral design have been studied. They will learn about cut flower storage and product handling as well as preservation methods, interior plant scaping, and career skills. They will also learn how to interact and communicate with customers while managing a business including the financial aspects of the floral industry including SAE and Career Development Events. Students taking this course will gain entry-level experience in floral design and will be eligible to participate in FFA activities.

FLORICULTURE B – Offered 2027-2028 **Course: 4AGS305**
Grades 10, 11 and 12 **Credit: .5**
Note: Horticulture and Floriculture courses will be required for Ag Production Program completion.
Description: This course will teach additional floral and plant industry tasks as well as floral design skills and is for students who have in interest in careers related to ornamental and floral careers. This course will include plant growth and physiology, explore biotechnology as it relates to varieties and plant propagation techniques, explore the international floral markets and agribusiness sales and service skills. Students will design/develop floral arrangements including boutonnieres, centerpieces, bouquets, abstract shapes and work with preserved and artificial flowers and materials and create holiday/seasonal pieces after design elements have been studied. They will learn about processing cut flowers and maintaining interior plant scapes. They will also learn how to advertise, price and sell products by demonstrating skills included in SAE and Career Development Events. Students taking this course will gain entry-level experience in floral design and will be eligible to participate in FFA activities.

POWER ENGINES 1 **Course: 4AGS401**
Grades 10, 11 and 12 **Credit: 1.0**
Description: Introduces the student to the operational theory, systems and components of two- and four-cycle gasoline/diesel engines used to power outdoor recreational, turf maintenance, and construction equipment. Component disassembly, inspection and re-assembly processes are covered. Cooling and lubrication systems theory and operating principles are examined. Engine peripheral systems and components are emphasized. Fuel, ignition, starting and charging systems theory, components and diagnostics are examined. Basic engine preventative maintenance concepts are applied.

POWER ENGINES 2 **Course: 4AGS402**
Grades 10, 11 and 12 **Credit: 1.0**
Prerequisite: 80% or above in Power Engines 1 (4AGS401)
Description: This course introduces theory, design, terminology, and operating adjustments for diesel engines. Emphasis is placed on safety, theory of operation, inspection, measuring, and rebuilding diesel engines according to factory specifications. Upon completion, students should be able to measure, diagnose problems, and repair diesel engines. This course also introduces electrical theory and applications as they relate to diesel powered equipment. Topics include lighting, accessories, safety, starting, charging, instrumentation, and gauges. Upon completion, students should be able to follow schematics to identify, repair, and test electrical circuits and components.

SUPERVISED AGRICULTURE EXPERIENCE- Independent Study **Course: 4AGS501**
Grades 10, 11 and 12 **Credit: 1.0**
Prerequisite: Department and Administrative Preapproval – graded on a pass/fail basis
Description: Independent Study serves as a way for students to earn an agriculture credit outside of the traditional classroom. Individuals who desire to pursue agricultural careers will benefit from this course as it can be tailored to individual interests including agribusiness, conservation, and production agriculture areas. Students must have plans for an SAE with a signed agreement page from The Agriculture Experience Tracker (www.theaet.com) before enrollment approval. Income, expenses, inventory, hours, and other related project information will be reported weekly to the agriculture instructors. Documentation of a minimum of 120 hours is required to earn this credit and SAE records must be entered in all local and state recordkeeping contests.

SUPERVISED AGRICULTURE EXPERIENCE- Independent Study **Course: 4AGS502**
Grades 12 **Credit: .5**
Prerequisite: Department and Administrative Preapproval – graded on a pass/fail basis. **This course is ONLY for students who have taken appropriate Agriculture classes AND are attending SUN Area Technical Institute or the Bloomsburg ACE Program.**
Description: Independent Study serves as a way for students to earn an agriculture credit outside of the traditional classroom.

Individuals who desire to pursue agricultural careers will benefit from this course as it can be tailored to individual interests including agribusiness, conservation, and production agriculture areas. Students must have plans for an SAE with a signed agreement page from The Agriculture Experience Tracker (www.theaet.com) before enrollment approval. Income, expenses, inventory, hours and other related project information will be reported weekly to the agriculture instructors. Documentation of a minimum of 60 hours is required to earn this credit and SAE records must be entered in all local and state recordkeeping contests. Most of the work for the course will be completed outside of the school day.

VETERINARY SCIENCE 1 **Course: 4AGS601**
Grades 10, 11 and 12 **Credit: 1.0**
Description: Veterinary Science is a rapidly growing industry as evidenced by the increase in the number of veterinarians and pet care businesses. Veterinary Science is a course that will teach students the skills and knowledge to care for small and large animals in their proper environment. The class will also cover anatomy and physiology including several body systems, as well as terminology, sanitation, nutrition, reproduction, parasitology, hematology, and veterinary office management skills. Students interested in veterinary medicine, or anyone interested in animal care will benefit from this course.

VETERINARY SCIENCE 2 **Course: 4AGS602**
Grades 10, 11 and 12 **Credit: 1.0**
Prerequisite: Veterinary Science 1 (4AGS601)
Description: This course is designed for students planning to enter the veterinary field. Coursework will expand on information from Veterinary Science. Additional units of study will include animal behavior and training, genetics, breeding, body systems not previously covered, clinical and surgical procedures, and small animal management and care. Basic veterinary science practices will be studied, including cause, diagnosis, treatments, and prevention of animal health problems. All students earning a credit will be required to perform all the steps in designing and performing an experiment or study and then writing a lab report summarizing the information. The Ag Experience Tracker Research Project book will be used as guide.

WELDING TECHNOLOGY 1 **Course: 4AGS701**
Grades 10, 11 and 12 **Credit: 1.0**
Description: This course is designed for students to explore the welding trade field and to develop entry-level skills in this field. Students will gain knowledge and skill in welding which will be useful in numerous trades and home repairs. Course completers will be able to: Select equipment and supplies for welding, select appropriate safety equipment and clothing for welding, safely set-up and operate welding equipment, perform five welds with arc and oxyacetylene equipment, braze and solder metal, TIG weld aluminum, MIG weld steel, cut metal with the oxyacetylene, hard surface to prevent wear, estimate costs, keep records, and prepare bills. Students will receive instruction and practice in arc welding and cutting, oxyacetylene welding and cutting, MIG and TIG welding of steel and aluminum. Most time will be spent on required project work for skill development; however, there will be time allotted for individual and class projects. Student evaluation includes tests, problem solving, quizzes, class participation, shop safety habits and skill development exercises.

WELDING TECHNOLOGY 2 **Course: 4AGS702**
Grades 11 and 12 **Credit: 1.0**
Prerequisite: 80% or above in Welding Technology 1 (4AGS701)
Description: This course is designed to enhance the knowledge, skills and attitudes in Gas Tungsten Arc Welding (GTAW) in accordance with industry standards. It covers core competencies such as Setting-up of Welding Equipment, Preparing Weld Materials, Fitting-up Weld Materials, Welding Carbon Steel Plates and Pipes using GTAW Process and repairing welds. At the end of this course, the student will be able to: 1.) Weld carbon steel plates and pipes components using GTAW process, 2.) Read Blueprint, 3.) Fit up weld joints, 4.) Prepare weld materials, 5.) Set-up welding machines and 6.) Complete repair of welds.

Art

INTRODUCTION TO ART **Course: 4ART101**
Grades 9, 10 and 11 **Credit: .5**
Description: Students will learn basic art techniques in subjects including drawing, painting, sculpture, and ceramics. Students will learn how to express themselves in both realistic and abstract styles in mediums including clay, paper, pencil and paint. As a result,

the students will develop an understanding and appreciation of the importance of art. Evaluation will be based upon successful completion of assigned work, effort in class, craftsmanship, and originality of ideas. Clean-up and care of equipment is required of all students. This course must be taken before any level 1 or 2 class is taken.

DRAWING AND PAINTING I **Course: 4ART201**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Introduction to Art (4ART101)
Description: This course is designed to meet the needs of proficient drawing and painting students. Subjects such as portraiture, visual journaling, acrylic and watercolor painting will be covered. As a result, the students will develop an understanding and appreciation of the importance of art. Evaluation will be based upon successful completion of assigned work, effort in class, craftsmanship, and originality of ideas. Clean-up and care of equipment is required of all students.

DRAWING AND PAINTING II **Course: 4ART202**
Grades 10, 11 and 12 **Credit: .5**
Prerequisite: Drawing and Painting I (4ART201)
Description: This course is designed to meet the needs of advanced drawing and painting students. Subjects such as portraits, hand drawing, abstract painting, and realistic stippling will be covered. Several genres of painting will be studied such as cubism, abstract expressionism, impressionism, and realism. The students will use drawing pencils, colored pencil, ink, and acrylics. As a result, the students will develop an understanding and appreciation of the importance of art. Evaluation will be based upon successful completion of assigned work, effort in class, craftsmanship, and originality of ideas. Clean-up and care of equipment is required of all students.

SCULPTURE I **Course: 4ART301**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Introduction to Art (4ART101)
Description: This course is designed to teach students how to sculpt in various mediums. Students will learn how to create and paint realistic animal sculptures, then transition into the development of problem-solving skills with more difficult mediums including paper and wire. Students will also learn how to tell a story through symbolism within the recycled/found object sculpture unit. Evaluation will be based upon successful completion of required projects, effort, craftsmanship, and originality. Clean-up and care of equipment is expected of all students.

SCULPTURE II **Course: 4ART302**
Grades 10, 11 and 12 **Credit: .5**
Prerequisite: Sculpture I (4ART301)
Description: This course is designed to meet the needs of advanced sculpture students. Students will create original works of art in various mediums, including clay, glass, plaster, wire and paper mache. Students will gain an understanding of various forms of sculptural techniques including subtractive, abstract, linear, contour sculpture as well as tile mosaic making. Students will also be exposed to a variety of historical and cultural perspectives and uses of sculpture in it's various forms. Evaluation will be based upon successful completion of required projects, effort, craftsmanship, and originality. Clean up and care of equipment is expected of all students.

CERAMICS I **Course: 4ART401**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Introduction to Art (4ART101)
Description: This course is designed to meet the needs of proficient ceramics students. The student will design and construct original creations using clay as their medium. Various methods of clay construction will be covered including slab building and wheel throwing as well as numerous methods for surface decoration and correct use of glazes and under glazes. As a result, the students will develop an understanding and appreciation of the importance of ceramics. Evaluation will be based upon successful completion of assigned work, effort in class, craftsmanship, and originality of ideas. Clean up and care of equipment is expected of all students.

CERAMICS II **Course: 4ART402**

Grades 10, 11 and 12 **Credit: .5**
Prerequisite: Ceramics I (4ART401)
Description: This course is designed to meet the needs of advanced ceramics students. The student will construct original projects in clay. An emphasis will be placed on wheel thrown pottery, however, students will also create slab built pieces. The students will be required to develop individual projects in addition to assigned projects. As a result, the students will develop an understanding and appreciation of the importance of ceramics. Evaluation will be based upon successful completion of assigned work, effort in class, craftsmanship, and originality of ideas. Clean-up and care of equipment is expected of all students.

CERAMICS 3 – WHEEL THROWING **Course: 4ART403**
Grades 11 and 12 **Credit: .5**
Prerequisite: Introduction to Art, Ceramics I, and Ceramics II
Description: This course is designed to meet the needs of our most advanced ceramics students. All work will be created on the pottery wheel, starting with simple forms such as cylinders and bowls, and progressing to larger vases and vessels. Multi-piece and modified forms, such as pocketed vases and lidded containers, will also be created. Surface decoration and personalized stylization will be explored in depth. As a result, students will develop an understanding and appreciation for the importance of wheel-thrown pottery. Evaluation will be based on successful completion of assigned work, effort in class, craftsmanship, and originality of ideas. Clean-up and care of the equipment are expected from all students.

ADVANCED ART **Course: 4ART600**
Grades 11 and 12 **Credit: .5**
Prerequisite: Introduction to Art (4ART101)and at least two other art courses and instructor approval.
Description: This course is designed for those students who may choose art as a career, or those who have a serious interest which has evolved through prior art courses. Students will design their own art curriculum (with teacher input) based on individual interests and needs. The student may choose to work in any medium available. Other activities will include preparing a portfolio of work for art school or scholarship opportunities, creating an art show display of individual work, and writing artist statements. Evaluation will be based upon a review of artistic accomplishments during each marking period, time and effort invested in each project, craftsmanship, and originality of ideas. Clean up and care of equipment is expected of all students. As a result, the students will develop an understanding and appreciation of the importance of art.

Business, Computers, and Information Technology

CAREER PREP **Course: 4BUS101**
Grade 11 **Credit: .5**
GRADUATION REQUIREMENT
Description: Students in Career Prep analyze career options based on individual interests, abilities, aptitudes, goals and achievements. They analyze new opportunities in the work world, through extensive research. Students utilize guidance and career services through the guidance department, special guests, college interviews and visits, government sources, and online resources. Students begin with the Holland Style Personality and Career Assessments, explore occupations suited to their personal results, examine career search behaviors, analyze collegiate and non-collegiate opportunities, and compile individual results in a career portfolio. Students complete a college application and budget, create a resume, compose business letters, practice interviews and practice writing skills. The documentation created in this course can be used to obtain employment, prepare for a career, and apply to colleges.

PERSONAL FINANCE **Course: 4BUS201**
Grade 11 (for students planning on attending SUN Area Tech.) and grade 12 **Credit: .5**
GRADUATION REQUIREMENT
Description: Personal Finance is organized around three themes and mapped around fundamental knowledge and skills needed in these areas to achieve a comfortable level of financial confidence and independence after high school. These themes are: Consumer Economics, Banking and Financial Systems, Fundamentals of Insurance. Students will analyze money systems and make personal decisions about financial goals based on economic climate and employment data. Topics such as saving, investment, stock analysis

and credit will be examined as well as renting and leasing choices and agreements. Students will learn to read and complete complicated forms such as tax forms and insurance forms. They will look at making reasoned and informed decisions about current and future financial goals. Economics, Reading, Writing, and Speaking Standards are all applied in this course.

BUSINESS/PERSONAL FINANCE AP **Course: 4BUS210**
Grade 11 and grade 12 **Credit: 1.0**
AP Business with Personal Finance is a yearlong high school business and personal finance course that aligns closely with a college-level introduction to business course. Students explore the business disciplines of entrepreneurship, marketing, finance, accounting, and management through real-world business applications, case studies, and project-based learning. In addition, students learn and apply all the National Standards for Personal Financial Education created by the Council for Economic Education and the Jump$tart Coalition for Personal Financial Literacy**.**

MONEY TALK, STOCKS, BONDS, MUTUAL FUNDS and CREDIT CARDS **Course: 4BUS202**
Grades 10, 11 and 12 **Credit: .5**
Description: This course is designed to discuss a multitude of aspects of money and how it can be invested or spent. Students will examine the difference between stocks, bonds and mutual funds, what the benefits and drawbacks are of each of them regarding investment potential and risks associated with each of these. This course also studies the management of investment portfolios. Topics include wall street, diversification, reinvestment/compounding, asset allocation, the relation between risk and return, trading, passive (e.g., index-fund) and active (e.g., hedge-fund, long-short) strategies, retirement and tax-sheltered accounts, derivatives, options, commodities, and futures. Students compete in a stock market competition simulation (more than one if time allows) and are prepared to compete in FBLA's securities and investments competition. Students investigate "equity research" or "stock picking" and learn how to set and achieve realistic and tangible personal investing goals. Who wants the tools to be a millionaire?

COMPUTER APPLICATIONS **Course: 4BUS301**
Grades 9, 10, 11 and 12 **Credit: .5 (Technology)**
Description: As a .5 credit course, Computer Applications is focused on computer literacy, word processing, presentation and spreadsheet applications (Word, Excel, and PowerPoint) for productive and professional use of the application features. A project is completed at the end of each key area to give students the opportunity to apply and practice efficient use of the software. This course can be used to satisfy .5 of the required technology credit needed for graduation.

Microsoft Office Certification **Course: 4BUS308**
Grades 10, 11 and 12 **Credit: 1.0**
Prerequisite: Computer Applications (4BUS301)
Description: This course focuses on Microsoft Word, Microsoft Excel, and Microsoft PowerPoint. Students will work toward certification for Word, Excel, and PowerPoint through TestOut. After completing the course, students will be competent users of Office and will have skills that will be useful in future classes and careers. Students who successfully pass the certifications will receive an industry credential.

ACCOUNTING 1 **Course: 4BUS401**
Grades 10, 11 and 12 **Credit: 1.0**
Description: This first-year course will provide you with basic accounting procedures used to operate a business organized as both a sole proprietorship as well as a corporation. The accounting procedures will also serve as a sound background for employment in office jobs and preparation for studying business courses in college. You will have the opportunity to learn the accounting language and the systematic recording of financial operations using your computer.

FINANCIAL ACCOUNTING – SU DUAL ENROLLMENT COURSE **Course: 4BUS405**
Grades 11 and 12 **Credit: 1.0**
Prerequisite: Accounting 1 (4BUS401)
Description: The current content of the course is an introduction to accounting for internal and external reporting. Emphasizes corporate financial accounting and reporting. Covers theoretical and practical issues related to the accounting and reporting of assets, liabilities, owners' equity, revenues, expenses, gains, and losses. Emphasis is placed on the importance of financial accounting information for investment and credit decisions.

- Financial Accounting will be a college class taken through Susquehanna University. The course will be taught

by Selinsgrove faculty. Upon completion of the course, the student will earn four college credits from Susquehanna University. The course requires Accounting 1 as a prerequisite and is recommended for any student entering a business major in college. Students will be required to purchase the textbook.

ENTREPRENEURSHIP **Course: 4BUS501**
Grades 10, 11 and 12 **Credit: .5**
Description: Students will understand what it takes to run a successful business. They will have the opportunity to use creativity and reasoning skills to invent or innovate a product, buy an existing business, or start a new business. Students will explore an introduction to business, examine business elements and write a business plan that includes a description, demographics, financials, marketing plans, and location analysis. Students who are interested in Entrepreneurship but are not interested in running or operating their own business will become better consumers by examining how a business should run in this basic introduction to business course. When time permits, Economics PA's business plan competition, FBLA business plan competition and/or Junior Achievement materials will be utilized in this class.

BLAST-BUSINESS LEADERSHIP AND SPECIALIZED TRAINING **Course: 4BUS502**
Grades 11 and 12 **Credit: .5**
Description: BLAST (Business Leadership and Specialized Training) will be a practical application course in business which will use the school store to focus on leadership, marketing, product design and distribution, market research, social media, inventory, managerial staffing, data analysis, and business communication. The students in BLAST will serve in the capacity of an advisory board to the school store in the areas of social media, inventory, staffing, profit analyses, and many other common business components. This hands on, project-based class allows students to experience real-life business environment and have an impact on the school community.

SPORTS & ENTERTAINMENT MARKETING **Course: 4BUS601**
Grades 10, 11 and 12 **Credit: .5**
Description: Students enrolled in Sports and Entertainment marketing will be writing a marketing plan for a Selinsgrove sports team or entertainment group. The marketing plans will be created focusing on the goals needed to improve each organization over time. The plans focus on social media involvement, increased attendance, and building a brand for an organization. The plans are written in teams which help improve communication and the soft skills required not only in the business world, but also in most aspects of life. The class also uses a sports simulation where each student will organize and run a football team with a focus of marketing a team.

TODAY'S LAW **Course: 4BUS701**
Grades 11 and 12 **Credit: .5**
Description: Students interested in law as a career, should take this class which closely examines civil and criminal law procedures through use of textbook material, court visits, special guest speakers (attorneys and officers), and participation in hands-on projects. Course content closely examines Federal, State, and county court systems, US and state constitutions, ethics and the law, criminal and tort law, consumer protection, marriage, and wills. Current social issues such as employment and discrimination law are included as time permits. Instruction relies heavily on class participation, research and reading, and experiential learning, Students practice communication skills to inform and persuade, through presentations utilizing a variety of technologies. Field trips to municipal, county, and federal courts engage students personally, reinforce legal concepts and promote critical thinking and debate about legal issues in society.

ECONOMICS **Course: 4BUS901**
Grades 10, 11 and 12 **Credit: .5**
Description: This course lays the groundwork for understanding economics as a discipline and as an introductory preparation for college. Economics provides a functional knowledge for business and engagement in the free market through study of supply and demand, equilibrium price, production, and productivity (CPI, GDP and economies of scale), labor supply and demand, competition, government and the US Economy, economic stability, international trade. Students will explore the effects of guiding economic theory. Current economic news about the economy will be interspersed regularly to understand and apply concepts.

English

ENGLISH 1 **Course: 4ENG104**
Grade 9 **Credit: 1.0**
NCAA Approved
Description: This course helps students develop the following skills: reading various literary genres with comprehension, developing sound critical responses to reading, writing multi-paragraph compositions with attention to Pennsylvania writing standards, collaborating effectively with peers, and giving oral presentations. Emphasis is placed on building skills in research and informational writing, applying elements of literature critically, text-dependent analysis, applying elements of drama, speaking/presenting in multiple formats, and comprehending poetry. Assessments and activities include practice assignments, individual and group projects, classroom discussions, oral presentations, quizzes, tests, and writing assignments involving the complete writing process. This foundational course prepares students for subsequent English courses and the Keystone exams, which are administered at the end of English 2.

ENGLISH 1 HONORS (WAHGlish) **Course: 4ENG601**
Grade 9 **Credit: 1.00**
NCAA Approved
Description: This interdisciplinary course is an intensive, full-year combined English and WAHG course. This is an accelerated enrichment course that satisfies both the history and English credits for the eligible 9th grade student. The course is open to identified gifted students or students with exceptional abilities in their 8th grade Language Arts and Social Studies classes. Students read novels, plays, poetry, short stories, and narratives that coincide with the historical era, respond critically and analytically to the literature, write in various rhetorical modes, and complete literary thesis essays, and deliver speeches and presentations. Students also produce creative writing pieces and collaborate on small and large group literary activities. Specific English activities include presentations**,** student-led discussions of literature, and dramatizing plays. Students enrolled in this program must schedule both course numbers: 4ENG601 and 4SOC103.

ENGLISH 2 **Course: 4ENG204**
Grades 9, 10 **Credit: 1.0**
NCAA Approved
Prerequisite: English 1 (4ENG104) or English 1 Honors (4ENG601)
Description: In this course, students work collaboratively and independently as they engage in the cognitive thinking skills associated with Bloom's Taxonomy and Webb's Depth of Knowledge to successfully meet the expectations outlined in both the Common Core and Pennsylvania Standards. Students exceed beyond comprehension and apply higher-level thinking reading, writing, speaking, and listening skills necessary to succeed in both academic and future endeavors. A compilation of formative assessments connected to unit objectives are implemented using a variety of instructional methods to practice unit skills and focuses. Students are evaluated through summative assessments, which take the form of quizzes, unit tests, papers, and speeches. In addition, benchmark assessments and other evidence-based strategies are used as students advance through the course, set goals, and progress towards those goals with teacher guidance and support. Ultimately, students take the Literature Keystone exam upon completion of English 2.

ENGLISH 2 HONORS **Course: 4ENG602**
Grade 10 **Credit:** 1**.00**
NCAA Approved
Prerequisite: English 1 (4ENG104) or English 1 Honors (4EGG601)
Description: This course offers an accelerated and enriched approach to the English curriculum. Designed to foster creative expression, collaborative and independent research, and rigorous reading and writing, this course provides the opportunity to use higher level thinking skills and take risks intellectually. Analysis of plays, novels, short stories, essays and poetry will be used as main assessments for this course. At the end of this class all students will be required to take the Keystone Exam which is required by the state.

ENGLISH 3 HONORS **Course: 4ENG303**
Grades 10 and 11 **Credit: 1.0**

NCAA Approved
Prerequisite: English 2 (4ENG204) or English 2 Honors (4ENG602)
Description: This course requires students to have accountability, responsibility, and ability to organize time and materials. This course follows the general English 3 curriculum but will include additional higher-order thinking and extension skills. Mastery with abstract ideas, problem solving, and vocabulary are integral to these independent learners. A timeline and thematic approach to our nation's major writers is pursued beginning with the colonial era of the 1600's and concluding with modern day literature; many forms of literature are explored- fiction, nonfiction, poetry, drama, etcetera. In addition to the course text, numerous novels, poems, dramas, and other types of supplemental pieces of literature are read. Evaluations include speeches/ presentations, analytical compositions including criticisms, objective quizzes and tests, and projects. Integration of textual evidence in APA format is mastered. The historical and cultural events connected to our national literature are also primary focuses in addition to college and career readiness for real world application. This course provides a natural progression to Advanced Placement (AP) Literature and Composition for advanced students who want to learn at a more rigorous level and have the potential to earn three (3) college credits.

ENGLISH 3 **Course: 4ENG304**
Grades 10 and 11 **Credit: 1.0**
NCAA Approved
Prerequisite: English 2 (4ENG204) or English 2 Honors (4ENG602)
Description: The course will combine careful reading with the planning and writing of formal essays. Writings include informal, informative, persuasive, argumentative, and narrative essays. Students will read and analyze examples of American literature from the colonial period through the 20th century to adapt their reading strategies to different literary genres as well as to various American literary periods and write with attention to the importance of clear, concise, lively, and accurate writing, thus, eliminate stylistic errors. Integration of textual evidence in APA format is practiced. Assessment is based on students' writing, reading exercises, class discussions, homework, tests, quizzes, and projects/presentations. The historical and cultural events connected to our national literature are also primary focuses in addition to real world application.

ENGLISH 4: FUTURE FOCUS **Course: 4ENG400**
Grades 11 & 12 **Credit: 1.0**
Prerequisite: English 3 (4ENG304)
Description: Students will receive additional instruction and practice with skills relating to the Pennsylvania Standards for reading, writing, listening, and speaking. Units will focus on language skills to prepare students for success both professionally and as citizens, emphasizing the importance of critical thinking, self-improvement, and informal education throughout life. Assessments will emphasize personal reflection as well as clear, organized informative and persuasive writing and speaking opportunities.

ENGLISH 4: DRAMA **Course: 4ENG402**
Grades 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: English 3 (4ENG304) or English 3 Honors (4ENG303)
Description: Students will survey a variety of plays of different genres and analyze each work as a product of its age and culture. The plays will range from the ancient Greeks to more modern writers. Assessment is based on homework/classwork, performances, unit tests and papers, and an extensive Literary Analysis/Research paper. The Literary Analysis/Research paper requires students to answer a self-formulated question surrounding a literary element and play of their choice. Students must condense this paper into presentation form and present their work to the class using multimedia. Additionally, students will engage in writing scripts on a given prompt associated with each play and execute their written scripts through performances. This course may be taken in 11th or 12^{th} grade after taking English 3.

ENGLISH 4: FICTION **Course: 4ENG403**
Grades 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: English 3 (4ENG304) or English 3 Honors (4ENG303)
Description: While students engage in developing critical reading skills, they may also discover that close reading of fiction leads to a better understanding of themselves and their world. Novels are selected to challenge and have relevance to the adolescent reader. With short stories in a college level text, students explore how literary elements and devices support and develop central meaning. Students write analytic essays, with original interpretation as well as critical support. Assessments include essays, collaborative projects, quizzes, and tests. This course may be taken in 11th grade after taking English 3 or English 3 Honors.

ENGLISH 4: WORLD LITERATURE **Course: 4ENG404**
Grades 11 & 12 **Credit: 1.0**
NCAA Approved
Prerequisite: English 3 (4ENG304) or English 3 Honors (4ENG303)
Description: English 4 World Literature is a survey of world literature with a focus on universal, timeless themes. The purposes of this course are as follows: 1. To provide students an opportunity to explore culturally diverse writers who express universal themes. 2. To provide students with opportunities to develop their own voices through writing and presentations. 3. To provide students with perspectives of how their culture plays a role in American culture. This year's texts, which students will analyze in varying methods, are representative of a diversity of cultures: there are works from Africa, the Middle East, Asia, Europe, and North, Central, and South America.

ENGLISH - AP **Course: 4ENG501 and 4ENG502**
Grades 11 and 12 **Credit: 1.5**
NCAA Approved
Prerequisite: English 2 (4ENG204), English 2 Honors (4ENG602), English 3 (4ENG304) or English 3 Honors (4ENG303)(Students should consult their 11th grade English teacher about the rigors of this course.) NOTE: Students taking this course WILL BE REQUIRED to take the AP Exam offered by the College Board. Description: As stated on the College Board website, (apcentral/collegeboard.org/) "AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works." This course will enable students to earn college credit while still in high school. Students will read a wide variety of poetry, fiction, and drama, with an emphasis on understanding and applying standard literary terms and analytical approaches to the development of original interpretations of the works studied. Students will engage in extensive classroom discussion about the reading, writing assignments based on the readings, and regular timed writings. Detailed feedback on writing assignments will guide students in the improvement of their thinking and writing skills.

Family and Consumer Sciences

CHILD DEVELOPMENT **Course: 4FCS101**
Grades 10, 11 and 12 **Credit: .5**
Description: This course traces human development from conception through age three. Areas of instruction include parenting skills, analysis of family structures, teen parenting, prenatal development, (including environmental & inherited influences), delivery, and the development of children from birth to 3 years, focusing on physical, emotional, social, and intellectual.

DISCOVERING FOODS **Course: 4FCS201**
Grades 9, 10, 11 and 12 **Credit: .5**
Description: This course recognizes the widespread need for improving the nutritional well-being of young men and women. It has as its focus the relationship of food to health and changing lifestyles, while emphasizing the fundamental areas of nutrition, consumer skills and food preparation. Discovering foods also goes beyond these basics. It broadens students' understanding of the impact food has on their lives, the diet/health link and career options in the food and nutrition fields.

ASIAN CUISINE AND CULTURE **Course: 4FCS202**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Discovering Foods (4FCS201)
Description: This is a course about discovering not only the foods of different Asian countries, but also the culture of the countries and areas where these foods are made. Students will study patterns of family meals, current customs, and food habits, cooking techniques and equipment unique to specific Asian countries. You will develop an understanding of flavor profiles from a variety of Asian countries and be exposed to ethnic and cultural diversity in regard to the culinary arts. By examining both the culture and the cuisine of various Asian nations, you will not only learn a little bit about each country but will also make some of the foods that are popular in each area studied.

EUROPEAN CUISINE AND CULTURE **Course: 4FCS203**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Discovering Foods (4FCS201)
Description: This is a course about discovering not only the foods of European countries, but also the culture of the countries and what foods are popular in each of the countries studied. Any student who has taken French, Spanish or German here knows that there are many foods in these countries that are similar to those eaten in the United States and some that are very different. You will be introduced to classical cooking skills associated with the preparation of these European foods. This class will give the opportunity to see a broader view of the cuisines of these countries, as well as others. We will discuss the culture and food habits of European cuisine and more importantly, make and eat the food.

Health and Physical Education

PHYSICAL EDUCATION 1 & 2 **Course: 4HPE101**
Grades 9 and 10 **Credit: .5**
Description: Physical Education 1& 2 prepares students for participation in team sports with an emphasis on class participation, team cooperation and sportsmanship. Students should be able to demonstrate individual and game situations skills in activities such as football, tchoukball, volleyball, basketball, softball, disc golf, ultimate Frisbee, team handball, and hockey. Additional activities include physical challenges and fitness. Evaluation is based on skill demonstration, knowledge of rules, game play, preparation, and class participation.

PHYSICAL EDUCATION 3 & 4 **Course: 4HPE102**
Grades 11 and 12 **Credit: .5**
Prerequisite: Physical Education 1 & 2 (4HPE101)
Description: Physical Education 3 & 4 attempts to reinforce and maintain fitness levels and skills acquired in P.E. 1 and 2. Emphasis will be placed upon activities that can be used after ones' high school years. Activities that may be offered are tennis, golf, football, volleyball, basketball, hockey, tchoukball, speedball, team handball, ultimate Frisbee, disc golf, softball, physical fitness, and walking. Evaluation is based on skill demonstration, knowledge of rules, game play, preparation, and class participation.

HEALTH/WELLNESS **Course: 4HPE302**
Grades 9, 10, 11, and 12 **Credit: .5**
Description: The health course enables students to understand the importance of physical, mental and social well-being. The various areas of study will help students acquire the knowledge necessary to achieve and maintain good health. The content areas are relevant and important to teenagers today. Study of consumer education, human sexuality, nutrition, body image, eating disorders, alcohol and other drugs, and diseases will help students to make wise decisions in areas concerning their overall wellness.

LIFETIME FITNESS **Course: 4HPE303**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Physical Education 1 & 2 (4HPE101)
Description: Lifetime Fitness will introduce students to activities such as fitness walking, lifetime sports, and various styles of aerobics. Also included are classes with free weights, stretch bands, exercise balls, yoga, and Pilates. A wide variety of exercise videos are used. These activities are geared for all levels of fitness with a goal to achieve good individual lifetime exercise habits. Evaluation is based upon preparation, class participation, goal setting, and a fitness journal. This course can fulfill the PE requirement each year.

POWER WEIGHT TRAINING **Course: 4HPE401**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Physical Education 1 & 2 (4HPE101)
Description: Power weight training is for students who want to increase physical strength and quickness through a weight training program. Students will be required to work on a core program consisting of bench press, incline bench press, parallel squat, box squat, power clean, hang clean, dead lift, straight leg dead lift, leg curls and leg extensions. All core lifts will be done with free weights. Students may supplement, but not substitute for any part of the core program. Instruction will include proper lifting technique, spotting, weight room safety, core strengthening warm-up, and flexibility. Students will be graded on proper lifting technique, spotting and safety, individual progress, class attendance, work habits and proper record keeping.

INTRODUCTION TO SPORTS MEDICINE **Course: 4HPE203**
Grades 11 and 12 **Credit: .5**
Prerequisite: Health/Wellness (4HPE302)
Description: This course focuses on mastery of the PA Academic Standards for Health, Safety and Physical Education. The instruction is designed to provide students with a foundation of specific concepts related to injury prevention, evaluation, management, and rehabilitation. This course will provide the student with an overview of the Athletic Training Profession. Instructional focus will be on basic emergency care, first aide, CPR, common athletic injuries, injury assessment and management. As part of the Student Athletic Training Program, students must complete clinical experience hours outside of class by working with the Athletic Trainer in covering athletic events and applying their knowledge in the Training Room environment.

Mathematics

ALGEBRA 1 A/B **Course: 4MAT202**
Grade 9 **Credits: 2.00 (1.0 Math/1.0 Elect.)**
NCAA Approved
Prerequisite: Placement by recommendation
NCAA Approved NOTE: Students with less than a 70% final average in 8th grade math (Algebra A) may be recommended for Algebra 1 A/B based on team analysis of student data.
Description: Algebra 1 A/B is a year-long course aligned to the Algebra 1 Keystone Exam eligible content. Students taking this course will take the state-required Keystone Algebra 1 Exam. Topics include linear equations, inequalities, functions, systems of linear equations and inequalities, exponent properties, and factoring. The course concludes with an introductory unit on geometry.

ALGEBRA 1 **Course: 4MAT201**
Grade 9 **Credit: 1.0**
NCAA Approved
Prerequisite: Algebra A (8th grade)
Description: Algebra 1 is a semester-long course aligned to the Algebra 1 Keystone Exam eligible content. Students taking this course will be required to take the state-required Keystone Algebra 1 Exam. Topics include linear equations, inequalities, functions, systems of linear equations and inequalities, exponent properties, and factoring. The course concludes with an introductory unit on solving quadratic equations.

KEYSTONE ALGEBRA **Course: 4MAT203**
Grade: 10 **Credit:1.0**
Prerequisite: Algebra 1 (4MAT201) or Algebra 1 A/B (4MAT202) and Admin. Placement
Description: Keystone Algebra is designed for students who score at the Basic or Below Basic level on the Keystone Algebra 1 Exam. This course is intended to reteach the Keystone Algebra 1 eligible content prior to retaking the Keystone Algebra 1 Exam. Placement in this course is determined by Administration.

ALGEBRA 2 **Course: 4MAT301**
Grades 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: Geometry (4MAT401) and Teacher Recommendation
Description: Algebra 2 is designed to follow Geometry . This course further develops the concepts of Linear Equations, Functions, and Systems of Linear Equations and Inequalities prior to covering the topics of quadratic functions, polynomials, polynomial functions, powers, roots, and radicals.

ALGEBRA 2 CP **Course: 4MAT302**
Grades 9, 10 **Credit: 1.0**
NCAA Approved
Prerequisite: Algebra 1 (4MAT201) and Teacher Recommendation.
Description: Algebra 2 CP is designed to develop algebraic skills and apply them to non-linear contextual problems. This course is an in-depth study of systems of equations and inequalities, polynomials, polynomial functions, rational expressions, radicals and complex numbers, quadratic and higher degree equations and functions, and exponential and logarithmic functions.

ALGEBRA 2 HONORS **Course: 4MAT303**
Grade 9 **Credit: 1.0**
NCAA Approved
Prerequisite: Algebra 1 (4MAT201) and Teacher Recommendation
Description: Algebra 2 Honors is designed and paced for strong, advanced mathematics students. The course is an in-depth study of systems of equations and inequalities, matrices, polynomials, polynomial functions, rational expressions, radicals and complex numbers, quadratic and higher degree equations and functions, exponential and logarithmic functions, probability, and an introduction to right triangle trigonometry.

GEOMETRY **Course: 4MAT401**
Grades 10 and 11 **Credit: 1.0**
NCAA Approved
Prerequisite: Algebra 1 (4MAT201) or Algebra 1 A/B (4MAT202)
Description: Geometry develops a working knowledge of geometric principles and logical thinking skills. This course is designed for students to be actively engaged using hands-on activities. The topics covered include properties of angles, lines, polygons, congruence and similarity, coordinate geometry, justification and proof, right triangles, circles, two-dimensional and three-dimensional shapes and figures.

GEOMETRY CP **Course: 4MAT402**
Grades 9, 10 and 11 **Credit: 1.0**
NCAA Approved
Prerequisite: Algebra 2 CP (4MAT302) and Teacher Recommendation
Description: Geometry CP develops an understanding of geometric concepts and uses logical reasoning skills. The topics covered include properties of angles, lines, polygons, congruence and similarity, coordinate geometry, justification and proof, right triangles, circles, perimeter and area of two-dimensional figures, and surface area and volume of three-dimensional solids.

TRIGONOMETRY/ALGEBRA III **Course: 4MAT502**
Grades 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: Algebra 2 (4MAT301/4MAT302) and Geometry (4MAT401/4MAT402)
Description: Trigonometry/Algebra III is designed for students pursuing post high school education. The topics covered include linear, quadratic, polynomial, rational, radical functions, and right triangle trigonometry, including the unit circle and radian measure.

TRIGONOMETRY AND ANALYTIC GEOMETRY **Course: 4MAT501**
Grades 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: Algebra 2 CP (4MAT302) and Plane Geometry CP (4MAT402)
Description: Trigonometry is designed for students who have achieved a significant level of competency in both Algebra 2 CP and Geometry CP and intend to pursue post high school education. This highly structured mathematics course studies right triangle trigonometry, graphs of circular functions, trigonometric identities, trigonometric equations, and oblique triangle trigonometry. Analytic geometry topics of conic sections and curve sketching are also studied.

TRIGONOMETRY/ANALYTIC GEOMETRY HONORS **Course: 4MAT503**
Grade: 10 **Credit: 1.0**
NCAA Approved
Prerequisite: Algebra 2 Honors (4MAT303) and Teacher Recommendation
Description: Honors Trigonometry is designed and paced for strong, advanced mathematics students. This accelerated course studies the topics described in the Trigonometry/Analytic Geometry course, as well as additional topics of Geometry. Students successfully completing this course are not required to take Geometry and would elect to take Pre-Calculus or Statistics the following year.

PRE-CALCULUS **Course: 4MAT601**

Grades 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: Trigonometry and Analytic Geometry (4MAT501) or Trigonometry/Analytic Geometry Honors (4MAT503) and a Teacher Recommendation
Description: This course is strongly recommended for students whose postgraduate plans require the study of calculus. This highly structured mathematics course includes topics of power, polynomial, rational, exponential, and logarithmic functions from a calculus perspective, sequences and series, limits, and introduces the calculus concepts of derivatives and integrals. Pre-Calculus is a prerequisite for AP Calculus.

CALCULUS - AP **Course: 4MAT602 and 4MAT603**
Grade 12 **Credit: 1.5**
NCAA Approved
Prerequisite: Pre-Calculus (4MAT601) and a Teacher Recommendation
NOTE: Students taking this course WILL BE REQUIRED to take the AP Exam offered by the College Board.
Description: AP Calculus is a college-level course recommended for advanced mathematics students who wish to earn college credit before graduation. This course is aligned to the College Board's AP Calculus Course and Exam Description to prepare students for the AP Calculus AB Exam.

PROBABILITY AND STATISTICS **Course: 4MAT701**
Grades 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: Algebra 2 CP (4MAT302) or Algebra 2 Honors (4MAT303) and Teacher Recommendation
Description: Probability and Statistics is a college-level course recommended for students going into a research-related field or who may need to take a statistics course at the collegiate level. This course covers content from the College Board's recommendations for Statistics and is designed for highly motivated students who possess a strong work ethic. A TI-84 graphing calculator is recommended for this course.

STATISTICS - AP **Course: 4MAT702 and 4MAT703**
Grades 11 and 12 **Credit: 1.5**
NCAA Approved
Prerequisite: Teacher Recommendation
NOTE: Students taking this course WILL BE REQUIRED to take the AP Exam offered by the College Board.
Description: AP Statistics is a college-level course recommended for students going into a research related field who wish to earn college credit before graduation. This course is aligned to the College Board's AP Statistics Course and Exam Description to prepare students for the AP Statistics Exam. A TI-84 graphing calculator is recommended for this course.

Music

MUSIC THEORY 1 **Course: 4MUS101**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Must have completed at least 1 semester of Symphonic Band, Mixed Chorus or Honors Choir.
Description: This course deals with the inner construction of music. Class work includes an intensive study of intervals, scales, triads, chords, and harmonic analysis. Music Theory is valuable to the student with an interest in any style of music from Rock and Roll to Classical. It will greatly benefit a student who enjoys writing songs or instrumental compositions. Music theory also strengthens the individual student's musicianship skills through ear training exercises and score/chart analysis. This class will enable each student to read, understand, and perform music at a much faster and efficient rate.

MUSIC THEORY 2 **Course: 4MUS102**
Grades 10, 11 and 12 **Credit: .5**
Prerequisite: Music Theory 1 (4MUS101)
Description: This college level course is a continuation of Music Theory 1. Class work includes studies of Counterpoint, traditional voice leading, Secondary Dominant functions, Modulation, Non-chord tones, and Chromatic Harmony. Additionally, units dealing with Aural Theory and Musical Composition will be integrated into the class work throughout the year. At the end of this course the

student may choose to take the AP Music Theory examination.

PIANO CLASS 1 **Course: 4MUS201**
Grades 9, 10, 11 and 12 **Credit: .5**
Description: This course is designed to meet the needs of the beginning piano student. It will equip the students with the ability to read musical notation, simple chords, and develop the facility to play with two hands. The student will be required to demonstrate techniques and music prepared in class. Students will also be required to demonstrate knowledge in past and current pianists learned in the class. With the instructor's approval, the student may also choose a selection of music for class study. Evaluation will include performing for the teacher on a regular basis and demonstrating knowledge of basic music theory concepts relating to beginning piano.

PIANO CLASS 2 – 4 **Course: 4MUS202**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Piano Class 1 (4MUS201) or prior approval by instructor
Description: These courses are designed to meet the needs of the intermediate to advanced piano students. The students will study intermediate to advanced musical notation, chords, and techniques. Piano literature will include a variety of musical styles to be chosen by the instructor and/or student. Students will be required to demonstrate techniques, scales, and music prepared in class. Evaluation will be given on regular performances for the teacher and the class, and on knowledge of music theory concepts appropriate to the prepared music.

GUITAR CLASS 1 **Course: 4MUS203**
Grades 9, 10, 11, and 12 **Credit: .5**
Description: Students will learn the skills required to play guitar as well as be able to independently make music outside of the school setting. This course will cover basic technique, care and handling, equipment, as well as training in reading the various forms of written music that guitarists use most frequently (notation, chord charts, tablature). We will perform with and without a pick, play single line music and chords, and discuss historically important guitarists and their impact on popular music making.

GUITAR CLASS 2 – 4 **Course: 4MUS204**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Guitar Class 1
Description: These courses are designed to meet the needs of the intermediate to advanced guitar students. The students will study intermediate to advanced repertoire and techniques. Music will be chosen in coordination with the student and the instructor to ensure appropriate rigor and student interest. Students will be required to demonstrate techniques and music prepared in class. Evaluations will be given on regular performances for the teacher and the class.

BAND **Course: 4MUS301**
Grades 9, 10, 11 and 12 **Credit: 1.0**
Prerequisite: Ability to perform music on a band instrument or permission from director
Description: Band meets every other day for the entire school year. Students enrolled in grades 9-12 who have a desire to perform instrumental music may join. All types and styles of music will be performed. During the yearly sequence of study, the student will develop sound musicianship through daily experiences encompassing competency in good quality of tone, execution of correct notes and articulations, adherence to expression, and understanding/appreciation of style and form. The band performs at concerts, public events, and commencement. From the membership, smaller ensembles may be organized to further develop the musical experiences of the participating students. Evaluation will be based on attendance, growth in skill mastery, musical aptitude. These are judged on required performances and assignments.

MIXED CHORUS **Course: 4MUS401 (Semester 1)**
Grades 9, 10, 11 and 12 **Course: 4MUS402 (Semester 2)**
Credit: .5 per semester
Description: Chorus is available to all students and meets every other day for the entire school year. However, if a student has a scheduling issue, he or she may schedule chorus for only one semester. Please be advised that the music department strongly encourages chorus to be taken for a full year for the student to achieve musical skills, competency, and concepts, as well as for continuity and voice balances for the ensemble. *For a full year of Chorus, you must schedule both 4MUS401 and 402.* Students with no singing experience up to an advanced level can expect to significantly improve their singing voice and musicianship. Chorus

offers many styles of music from the classics and Broadway, to jazz, folk, and pop/rock. Chorus incorporates the study of foreign languages, interpretation of musical terminology and notation, sound production, and performance techniques focused on communication with the audience. Chorus is a performance-based art and is therefore graded by evaluation of each student's participation in class, rehearsals, and concerts, as well as the level of dedication to the group's goals. Except for two to three concerts and rehearsals, all required work is accomplished during the school day.

MUSICAL THEATRE 1 **Course: 4MUS501**
Grades 9, 10, 11 and 12 **Credit: .5**
Description: Explore the development of the American musical from its earliest roots in Greece, through minstrel shows, Vaudeville, revues, comic opera, and the emergence of the mature musical. Learn about the famous stars, shows and legends who helped build the foundation of our American musical stage. Discover how the political, economic, and social aspects of American history and culture directly affected the evolution of this art form. Take a firsthand look at influential and entertaining shows, as well as try your hand at creating a script, and learning about Theatre careers. Evaluation will include the student's participation in group projects, as well as identifying styles, songs, shows, composers, and historical facts regarding the development of the American Musical.

POPULAR MUSIC TRENDS **Course: 4MUS601**
Grades 9, 10, 11 and 12 **Credit: .5**
Description: This course is open to any student who has an interest in studying the historical and technical aspects of American popular music. Various musical styles such as Rock and Roll, Country Western, Funk, Hip Hop, Soul, Folk, and Metal will be analyzed with specific focus on composers, performers, groups, instruments, and literature. The relationship from one musical era to the next and the evolution of the American popular trends will be surveyed. Students will experience the music through listening and research. Students will understand how music reflects historical events and cultural/economic development. Evaluation will be based on research, class participation, and the ability to identify and analyze stylistic characteristics of various works.

HONORS CHOIR **Course: 4MUS801**
Grades 10, 11 and 12 **Credit: 1.0**
Prerequisite: 1) Teacher Recommendation based on excellent past performance in Mixed Chorus of the same audition year, including responsibility and dedication. 2) Appropriate voice range and quality to fit available open spaces. 3) A history of respectful behavior.
Description: Honors Choir is a select vocal performance ensemble. Selection is based on the student's focus and achievement in the Mixed Chorus as well as having the appropriate voice range and quality to fit a voice part required for the next school year. The focus is for each member to achieve a level of musicianship and singing ability above and beyond the high school level. Students will concentrate on a cappella and accompanied selections from a variety of intricately arranged musical styles. The Choir performs in three curricular concerts per school year; a winter concert, a cabaret concert, and a spring concert. The concert and rehearsal requirements, as well as the grading procedure, are the same as the Mixed Chorus. Students are expected to attend scheduled voice lessons whenever possible to maintain the musicianship and technique essential for the group to succeed. Honors Choir represents the Vocal Music Department through special performances during school functions and community events, as well as prestigious invitational performances in such venues as Carnegie Hall in New York City. A past demonstration of respectful behavior from each student is essential because the Honors Choir serves as an envoy for music in the high school. Honors Choir students are encouraged to compete for places in PMEA District, Regional, and State Choruses.

Science

INTEGRATED SCIENCE **Course: 4SCI105**
Grade 9 **Credit: 1.0**
NCAA Approved
Description: Integrated Science is an introductory course that examines the key concepts of ecology, scientific investigation, physical science, and levels of biochemical organization. It will reinforce the nature of scientific inquiry and the reasoning required for measurement and data collection.

INTEGRATED SCIENCE HONORS **Course: 4SCI106**
Grade 9 **Credit: 1.0**
NCAA Approved

Pre-requisite: Algebra 1 (Middle School or High School)

Description: Integrated Science **HONORS** is an introductory course that examines the key concepts of ecology, scientific investigation, physical science, and levels of biochemical organization. This course is designed for students with strong mathematical, analytical and problem-solving skills. Major emphasis above and beyond the entry level Integrated Science course may include: mathematical and graphical emphasis on data collection; analysis and discussion; derivation of scientific formulas for use in physics; extended content in the topic of work/simple machines; extended content in the topic of biochemistry and acid/base chemistry; opportunities for advanced laboratory technique introduction and experimental design and research.

BIOLOGY **Course: 4SCI300**

Grades 9, 10 **Credit: 1.0**

NCAA Approved

Prerequisite: Integrated Science (4SCI105) or Integrated Science Honors (4MAT106)

Description: This course will provide information to cover the state standards. The aims of this course are to introduce the student to the living world, and to develop appreciation for biological information and method of investigation. As a result of this course, the student should be able to function as an informed citizen concerning the future issues in ecology; apply the scientific method of problem solving; understand and predict the outcome of basic genetic problems; understand the basic functions of life; state and define the cell theory; identify and classify organisms; and use the microscope and other basic tools of biological study. Methods of student assessment include; tests, quizzes, laboratory work, worksheets, projects, homework, and other graded work or activities. At the end of this course, all students will be required to take the Keystone Exam which is required by the state. Students who do not score at the Advanced or Proficient level on the exam will be required to attend supplemental instruction sessions in Biology prior to taking the Keystone Exam again.

BIOLOGY HONORS **Course: 4SCI309**

Grades 9, 10 **Credit: 1.0**

NCAA Approved

Prerequisite: Integrated Science (4SCI105) or Integrated Science Honors (4MAT106)

Description: Biology Honors includes information above and beyond the state standards. This is a rigorous and fast-paced biology course designed for students with advanced analytical and problem-solving skills. The student, upon completion of the course, should be able to demonstrate a basic familiarity with some simple laboratory techniques and with the key principles of modern biology. Major emphasis is placed upon cellular and molecular biology in keeping with current discoveries and advancements in the biological sciences. Other areas studied include microbiology, genetics, evolution, modern taxonomy, and ecology. The student will realize the immense complexity of life, recognize the social impact inherent in new discoveries and technological applications, and will be equipped to make decisions concerning new knowledge. Student assessment will include tests, quizzes, laboratory work, projects, presentations, and written and oral reports. At the end of this course all students will be required to take the Keystone Exam which is required by the state. Students who do not score at the Advanced or Proficient level on the exam will be required to attend supplemental instruction sessions in Biology prior to taking the Keystone Exam again.

BIOLOGY - AP **Course: 4SCI306 and 4SCI307**

Grades 11 and 12 **Credit: 1.5**

NCAA Approved

NOTE: Students taking this course WILL BE REQUIRED to take the AP Exam offered by the College Board.

Prerequisite: Biology 1 (4SCI300) or Biology Honors (4SCI309) – Chemistry (4SCI400) is recommended.

Description: Advanced placement biology is a college-level course designed to prepare students for the rigors of one full year of college biology. The course will include in-depth study in genetics, biochemistry, ecology, physiology, molecular biology and evolution. College-level labs reinforce topics, and all labs will require in-depth analyses and reports. Students will be responsible for completing summer assignments prior to the start of the course.

ANATOMY & PHYSIOLOGY 1 **Course: 4SCI309**

Grades 11 & 12 **Credit: 1**

NCAA Approved

Prerequisite: Biology 1(4SCI300) or Biology Honors (4SCI309), Chemistry (highly recommended)

Optional dual credit opportunity provided by Luzerne County Community College

Description: Anatomy and Physiology 1 is designed to be a study of the human body for students with an interest in pursuing a career in health-related fields. Students pursuing an education in an allied health career, such as physician assistant, physical therapy, nurse practitioner, etc., are encouraged to schedule this course, as well as those students wishing to enter the fields of biology or medicine, including nursing and veterinary science. This first semester course, which can be taken in a one-year sequence with Anatomy and Physiology 2 will emphasize cell structure and function, types of cells, histology (tissues), cell division, physical and chemical events of the cell, the Integumentary, Skeletal, Reproductive and Endocrine systems, and the clinical aspects of the human body. The course will include a laboratory component to include the study of tissues, cellular reactions, a bone practical exam, and other studies of the included body systems. NOTE: This course will include regular dissection of real animals and organs.

ANATOMY & PHYSIOLOGY 2 **Course: 4SCI310**

Grades 11 & 12 **Credit: 1**

NCAA Approved

Prerequisite: Anatomy and Physiology 1 (4SCI309), Biology 1(4SCI300) or Biology Honors (4SCI309), Chemistry (highly recommended)

Optional dual credit opportunity provided by Luzerne County Community College

Description: Anatomy and Physiology 2 is designed to be a study of the human body for students with an interest in pursuing a career in health-related fields. Students pursuing an education in an allied health career, such as physician assistant, physical therapy, nurse practitioner, etc., are encouraged to schedule this course, as well as those students wishing to enter the fields of biology or medicine, including nursing and veterinary science. This is the second semester course, taken in a one-year sequence with Anatomy and Physiology 1. Emphasis will be placed on the gross anatomy and physiological functions of the Muscular, Nervous, Cardiovascular, Respitory, Urinary and Digestive systems. The course will also cover Fluids and Electrolytes and other Clinical Aspects. The course will include a laboratory component and may include dissection of a mink or cat, a heart, a brain, and or an eye.

CHEMISTRY 1 **Course: 4SCI400**

Grades 10, 11 and 12 **Credit: 1.0**

NCAA Approved

Prerequisite: Algebra 1 & Biology or concurrent enrollment in Biology

Description: Chemistry 1 is a course designed for those students who plan to go to college or who plan careers in science or science related fields. We strongly recommend satisfactory completion of Algebra 1 before attempting this course. Areas of study include scientific problem-solving, the atomic concept of matter, kinetic molecular theory of gases and gas law calculations, matter-energy relationships, the Periodic Law and periodic trends, chemical bonding, writing and balancing chemical equations, stoichiometry, solubility, concentration and properties of solutions, ionization theory, acids, bases, and salts, and qualitative analysis. Upon completion of the course, the student should be able to: use atomic theory to explain the nature of matter; understand and recognize chemical and physical changes; recognize differences between elements, compounds, and mixtures; name and write formulas of compounds; understand ionic and covalent bonding; write and balance a chemical equation; solve mass and volume problems using chemical equations; work gas law problems and solution problems; explain the nature and properties of solutions; and identify an unknown solution. Laboratory experiments provide experiences to learn basic lab techniques and methods of experimentation.

CHEMISTRY - AP **Course: 4SCI403 AND 4SCI404**

Grades 11 and 12 **Credit: 1.5**

NCAA Approved

NOTE: Students taking this course WILL BE REQUIRED to take the AP Exam offered by the College Board. Prerequisite: Chemistry 1 (4SCI400), Biology 1 (4SCI300) or Biology Honors (4SCI309), Algebra 1 & 2.

Description: The AP Chemistry course is designed to allow high school students to pursue a college-level course of study while still attending high school. AP Chemistry follows the same pace, content, and rigor of any first-year college chemistry course. As an AP level course, it is lab-intensive, and requires a great deal of outside preparation for each class. AP Chemistry is designed as a yearlong course, meeting five days a week, and culminating with the *required* AP exam. Students will be responsible for completing summer assignments prior to the start of the course.

INTRODUCTION TO ORGANIC CHEMISTRY/BIOCHEMISTRY **Course: 4SCI406**

Grades 11 and 12 **Credit: 1.0**

Prerequisite: Chemistry 1 (4SCI400)
NCAA Approved
Description: Organic Chemistry/Biochemistry is the study of the chemistry of carbon-containing substances. Topics to be discussed and investigated in Organic Chemistry are the different classification groups of organic compounds and their properties; reactions that organic molecules undergo; and, in Biochemistry the relationship between cells function and processes in terms of chemical reactions and energy changes. Many other topics will be discussed that will relate back to the activities of your daily life. This course is recommended for any student entering a field in science or medicine, including pharmacy, nursing, pre-med, biology, physical therapy, occupational therapy, and physician assistant/nurse practitioner.

PRACTICAL APPLICATIONS OF PHYSICAL SCIENCE **Course: 4SCI407**
Grades 11, 12 **Credit: 1.0**
Prerequisite: Biology (4SCI300) or Honors Biology (4SCI309)
Description: Students will be introduced to a real-world study of science concepts related to technology and industry to gain knowledge and skills that are applicable to current and future technological applications. These include the concepts of Newtonian physics, work and energy, rotational and wave motion, and electricity, as well as properties of matter and chemical change.
Through classroom demonstrations, laboratory activities, and discussions, students will learn about the chemical and physical make-up of the world and its technological applications.

ENVIRONMENTAL SCIENCE **Course: 4SCI601**
Grades 11 and 12 **Credit: 1.0**
Prerequisite: Biology (4SCI300) or Honors Biology (4SCI309)
Description: Environmental Science is a study of interrelationships of the natural world. Problems which result from the disturbance of these relationships are examined. Considerable time is spent formulating solutions to the problems. Major areas of study include air and water, water quality assessment of the Susquehanna River, and threats to wildlife. Assessment will be based on class participation, homework assignments, games, projects, quizzes and tests. Upon completion of this course, students will be able to demonstrate an understanding of the history, present conditions and possible solutions to the many problems discussed. They will also be able to make benefit verses risk judgments in critical areas.

ENVIRONMENTAL SCIENCE - AP **Course: 4SCI602 AND 4SCI603**
Grades 11 and 12 **Credit: 1.5**
NCAA Approved
NOTE: Students taking this course WILL BE REQUIRED to take the AP Exam offered by the College Board. Prerequisite: Biology (4SCI300) or Honors Biology (4SCI309), Chemistry (4SCI400)
Description: The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions to resolving or preventing them.

PHYSICS 1 **Course: 4SCI702**
Grades 10, 11, and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: Algebra 2 (Trig and Geometry is highly recommended)
Description: Students will be introduced to a complete study of the basic concepts of physics. These include the algebra of vectors, kinematics (the study of motion such as velocity and acceleration); Newton's Laws of Motion, momentum, force, work, and energy. The course is set up to prepare the student for taking a physics course in college and would be especially useful for a student planning on a career in the physical sciences, math, electronics, medical fields, or engineering. Student assessment is based on tests, labs, projects, and homework.

PHYSICS 2 **Course: 4SCI703**
Grades 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: Physics 1 (4SCI702) and Algebra 2 (Trig and Geometry is highly recommended)

Description: Students will be given a brief review of Physics 1, and then move on to more advanced concepts of physics. These include rotational motion, wave motion (both sound and light), heat energy, static and current electricity (DC circuits), Einstein's General and Special Theory of Relativity, spectroscopy, radioactivity, nuclear energy, sub-atomic particles and nuclear forces. Student assessment is based on tests, projects, homework, and labs.

SURVIVAL **Course: 4SCI800**
Grades 11 and 12 **Credit: .5**
NOTE: This course cannot be counted as a science credit toward graduation.
Description: Survival is a study of the procedures to be used if a student is ever lost or stranded in an isolated area. Concepts of science are incorporated into the material to give a firm understanding of the procedures. For example, many concepts of astronomy are used to give students an understanding of navigation skills. There is also an emphasis on manual skills that a student may find valuable in this kind of situation. Assessment is based on class participation, homework assignments, projects, quizzes and tests. Upon completion of this course, students will be able to (1) demonstrate the skill of map and compass reading; (2) predict short term weather using natural signs; (3) understand principles of fire making; and (4) explain the theory behind proper dress in severe weather. Students in this course will be closely tied to the outdoors club, which provides opportunity for them to experience many of the concepts discussed in class. These include backpacking, climbing, rappelling, canoeing, and white-water rafting.

Social Studies

WORLD & AMERICAN HISTORY & GEOGRAPHY (WAHG) 1 **Course: 4SOC101**
Grades 9, 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Description: Students taking this course will study and evaluate historical events in World and American History from the French Revolution to 1913 with an emphasis on the World and American History Standards using approaches and methods found in the Social Sciences. The interrelationship between History and Geography will be accentuated. Upon completion of this course, students will be able to analyze and evaluate significant historical events and processes using critical thinking skills.

WAHG 1 HONORS (WAHGlish) **Course: 4SOC103**
Grade 9 **Credit: 1.0**
NCAA Approved
Description: This interdisciplinary course is an intensive, full year combined WAHG/English course. This is an accelerated enrichment course that satisfies both the history and English credit for the eligible ninth grade student. The course is open to identified gifted students or students with exceptional abilities in their eighth grade Language Arts and Social Studies classes. This course is a study of history from the French Revolution to 1913 with an emphasis on the World and American History Standards and enrichment activities. Students read novels, short stories, poems, narratives, and dramas that coincide with the historical era, respond critically and analytically to the literature, write in various rhetorical modes, produce creative writing pieces, collaborate on large and small group projects, engage in classroom discussions, deliver oral presentations, and debate in teams. ***Students enrolled in this program must schedule both course numbers: 4ENG601 and 4SOC103.***

WORLD & AMERICAN HISTORY & GEOGRAPHY (WAHG) 2 **Course: 4SOC201**
Grades 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: WAHG 1 (4SOC101) or WAHG 1 Honors (4SOC103)
Description: Students taking this course will study and evaluate historical events in World and American History from 1914 to the present using approaches and methods found in the Social Sciences. The interrelationship between History and Geography will be

accentuated. Upon completion of this course, students will be able to analyze and evaluate significant historical events and processes using critical thinking skills.

WORLD & AMERICAN HISTORY & GEOGRAPHY (WAHG) 2 Honors **Course: 4SOC203**
Grade 10 **Credit: 1.0**
NCAA Approved
Prerequisite: WAHG 1 (4SOC101) or WAHG 1 Honors (4SOC103)
Description: This course takes an accelerated and enriched approach to the 10th grade WAHG curriculum. Students taking this course will study and evaluate historical events in World and American History from 1914 to the present using approaches and methods found in the Social Sciences. The interrelationship between History and Geography will be accentuated. Upon completion of this course, students will be able to analyze and evaluate significant historical events and processes using critical thinking skills.

UNITED STATES HISTORY – AP **Course: 4SOC301 AND 4SOC302**
Grades 11 and 12 **Credit: 1.5**
NCAA Approved
NOTE: Students taking this course WILL BE REQUIRED to take the AP Exam offered by the College Board.
Prerequisite: Completion of WAHG 1 (4SOC101) and WAHG 2 (4SOC201) or WAHG 1 Honors (4SOC103) and WAHG 2 Honors (4SOC203) Please consult your social studies teachers about the rigor of this course.
Description: Advanced Placement United States History is an accelerated course for college bound students that studies the history of pre-Columbian America to the present. The purpose of this course is advanced study of American History culminating with the Advanced Placement exam. This is a college level course. Through rigorous study of content, primary source analysis, critical thinking activities, cooperative learning opportunities and intensive writing practice, the course will prepare students not only to succeed on the Advanced Placement exam, but also to become true, critically thinking historians. Students will be required to read and write extensively at the college level in preparation for the Advanced Placement examination. Information on receiving college credit for the course is available from the instructor. Students will be required to take the Advanced Placement exam at the end of the year.

CIVICS AND GOVERNMENT **Course: 4SOC402**
Grades 10 (if WAHG 1 (4SOC101) and WAHG 2 (4SOC201) are completed) and 11 **Credit: 1.0**
NCAA Approved
Description: Students taking this course will study the general principles used to understand American government and politics. The concepts studied include the various institutions, groups, beliefs and ideas that formulate and influence America and its political system in addition to international relations and the establishment of foreign policy. This course covers the formation of our government, its operation, and political parties. Students will understand how the Constitution is a living document capable of changing and evolving.

ACCELERATED CIVICS AND GOVERNMENT **Course: 4SOC403**
Grades 11 and 12 **Credit: .5**
Description:
Students enrolled in AP European and/or AP United States History may enroll in this class to satisfy the Civics graduation requirement. All other students must enroll in Course #4SOC402 Civics and Government to meet the graduation requirement.
Students taking this course complete an accelerated study of the general principles used to understand American government and politics. The concepts studied include the various institutions, groups, beliefs and ideas that formulate and influence America and its political system in addition to international relations and the establishment of foreign policy. This course covers the formation of the United States government, its operation, and political parties. Students will understand how the Constitution is a living document capable of changing and evolving.

CONTEMPORARY ISSUES **Course: 4SOC601**
Grades 11 and 12 **Credit: 1.0**
NCAA Approved NOTE: This course cannot be counted as a social studies credit toward graduation.
Prerequisite: Completion of WAHG 2 (4SOC201) or WAHG 2 Honors (4SOC203) or Grades 11 or 12
Description: This course is designed for students who like debating, looking behind the headlines and exploring today's social and political issues. We discuss a variety of topics. Some topics discussed in the course include but are not limited to abortion, gun control, death penalty, social justice, and many others. Students will be expected to remain aware of current events and news, do research

projects, write essays, or make classroom presentations, conduct debates on various contemporary issues and participate in class discussions. Evaluation will be based on class participation, debates, student research, and quality of work. As a result of this course, students should become more active, more concerned, and more informed citizens.

EUROPEAN HISTORY – AP **Course: 4SOC701 AND 4SOC702**
Grades 11 and 12 **Credit: 1.5**
NCAA Approved
NOTE: Students taking this course WILL BE REQUIRED to take the AP Exam offered by the College Board.
Prerequisite: Completion of Wahg 1 (4SOC101) and Wahg 2 (4SOC201) or Wahg 1 Honors (4SOC103) and Wahg 2 Honors (4SOC203) Students should consult their social studies teacher about the rigor of this course.
Description: The Advanced Placement Program in European History is designed to provide students with an understanding of some of the principal themes in Modern European History, an awareness of Europe's changing position in the world, and an ability to analyze historical evidence. Areas to be studied are Political and Diplomatic History, Intellectual and Cultural History, and Social and Economic History. Demands made in this course are equivalent to those of a first-year introductory college course in European History. Students are required to take the European history AP Exam at the end of the course. Information on receiving college credit for the course is available from the instructor.

INTRODUCTION TO PSYCHOLOGY **Course: 4SOC901**
Grades 10, 11 and 12 **Credit: 1.0**
NCAA Approved
NOTE: This course cannot be counted as a social studies credit toward graduation.
Description: This course introduces the student to theories, concepts, and practices in contemporary psychology. Beginning with a history of psychology as a science, the course follows a traditional study including the biological foundations of behavior, learning, memory, thinking, language, intelligence, human development, personality, psychological disorders, therapies and stress. The course also explores key factors impacting relationships, problem-solving, mental illness, behavioral adjustment, and cultural/social diversity in modern society.

POSITIVE PSYCHOLOGY **Course: 4SOC904**
Grades 10, 11 and 12 **Credit: 0.5**
NOTE: This course cannot be counted as a social studies credit toward graduation.
Description: Positive Psychology is the scientific study of the characteristics and conditions that allow human beings to flourish. This course takes an empirical approach to learning about the research, studies, and concepts of positive psychology and well-being. The topics of positive psychology will be studied on a macro and micro level to study global, regional, and individual data sets. Topics include happiness, well-being, character strengths, motivation, gratitude, optimism, and resilience.

Technology Education

TECHNICAL DRAWING 1-SOLIDWORKS **Course: 4TEC101**
Grades 9, 10, 11 and 12 **Credit: .5 (Technology)**
Prerequisite Recommendation: Algebra
Description: This course introduces students to the world of 3D part modeling in *Solidworks*. This course is designed to increase critical thinking, technical creativity, boost interest in math and manufacturing courses, and broaden career options. Students will learn and apply tools, techniques, their understanding of reading a drawing, and mathematics to 3D model various parts and assemblies. Students will have the opportunity to experience the manufacturing design preparation in the form of a project. Areas of study will include: 2D sketching tools, 3D solid modeling tools, orthographic projection, and animated assemblies. Evaluation is based on class assignments, quizzes, tests, and a culminating project. Student evaluation is based on class assignments, tests, and projects. **It is highly recommended that all students taking the course have passed or are simultaneously enrolled in Algebra 1.**

TECHNICAL DRAWING 2-SOLIDWORKS **Course: 4TEC102**
Grades 10, 11 and 12 **Credit: .5 (Technology)**
Prerequisite: Technical Drawing 1 (4TEC101) with an 80% or higher
Description: This course will reinforce knowledge of 3D part modeling in *Solidworks* through advanced drawing problems. This course is

designed for students seeking a higher understanding of 3D modeling, critical thinking, engineering career preparation, and the aspirations of earning and becoming a Certified SolidWorks Associate (CSWA). This is an industry-level certification that will be given to all students as a final exam. Areas of study will include: 2D sketching tools, 3D solid modeling tools, hole types, auxiliary views, orthographic projection, and animated assemblies. Student evaluation is based on class assignments and tests. It is highly recommended that all students taking the courses are independently successful in Technical Drawing 1 and finished the class with an 80% or higher.

MATERIAL PROCESSING 1 **Course: 4TEC201**
Grades 9, 10, 11 and 12 **Credit: .5**
Description: This course introduces students in the world of woodworking. The student will learn how rough lumber is processed into a finished product by cutting, shaping, sanding, assembling, and finishing the wood. Students will learn safety techniques, proper use of hand tools and machining, how to read a set of plans, and retooling a machine to create the desired cut. Each student will manufacture and finish products using a combination of wood species. The students will also be able to customize their products with computer design software and outputting to a laser engraver machine. Student evaluation is based on class participation and product completion / quality. **PLEASE NOTE:** If students wish to keep the items that they make in the class there is a materials fee of **$45.00**. Material / supply costs are subject to change based on market cost of materials. If the student, and/or parent/guardian chooses not to pay the fee, the students will still make all items, but they will not be able to keep any of the items.

MATERIAL PROCESSING 2 **Course: 4TEC202**
Grades 9, 10, 11 and 12 **Credit: .5**
Prerequisite: Material Processing 1(4TEC201)
Description: This course is designed to further student's knowledge of woodworking. The students will review safety techniques, machining, assembly, and finishing skills. Each student will manufacture and finish products using a combination of wood species. The course will also provide an insight into using a C.N.C. milling machine to better manufacture a product. Student evaluation is based on class participation and product completion / craftsmanship. **PLEASE NOTE:** If students wish to keep the items that they make in the class there is a materials fee of **$60.00**. Material / supply costs are subject to change based on market cost of materials. If the student, and/or parent/guardian chooses not to pay the fee, the students will still make all items, but they will not be able to keep any of the items.

MANUFACTURING TECHNOLOGY **Course: 4TEC203**
Grades 10, 11, and 12 **Credit: .5 (Technology)**
Prerequisite: Material Processing 1 (4TECH201), Technical Drawing 1 (4TEC101)
Description: This course will reinforce a student's woodworking skills and introduce students to the world of wood manufacturing through 3D modeling and automation. Students will review 3D modeling skills and techniques in *Solidworks*, create tool paths (coding), output code, operate a C.N.C. milling machine, and finish products using a combination of wood species. Student evaluation is based on class participation and product completion / craftsmanship. **PLEASE NOTE:** If students wish to keep the items that they make in the class there is a materials fee of **$50.00**. Material / supply costs are subject to change based on market cost of materials. If the student, and/or parent/guardian chooses not to pay the fee, the students will still make all items, but they will not be able to keep any of the items.

ADVANCED MATERIALS AND MANUFACTURING **Course: 4TEC301**
Grades 10, 11 and 12 **Credit: 1.0**
Prerequisite: Materials Processing 2 (4TEC201), Manufacturing Technology (4TEC203)
Description: This course is designed to provide students with the opportunity to truly display their engineering and manufacturing skill set. Students will review and reinforce their knowledge of the 3D modeling and automated manufacturing process by planning, 3D modeling, performing cost calculations, creating a project(s) proposal, and manufacturing product(s). The project's complexity, cost, and size will be reviewed by the teacher for approval. Upon approval, the student will need to provide or purchase their own building materials. Student evaluation is based on class participation, planning documentation, and product completion/craftsmanship. Field trips and guest speakers may be scheduled. PLEASE NOTE: An estimated material fee will be generated for each student's proposed project. Unlike the previous courses, this course requires the student to purchase all items created. All students, parents, and/or guardians should be fully prepared to pay for the materials planned for/used. Failure to do so will require the student to propose a new project or find an alternative class to take.

DIGITAL PHOTOGRAPHY & ADOBE PHOTOSHOP **Course: 4TEC501**
Grades 9, 10, 11 and 12 **Credit: .5 (Technology)**
Description: This course covers a wide variety of digital editing and graphic design techniques. Students will learn how to use Photoshop to create a variety of meaningful digital works of art. Students will also have an opportunity to learn how to effectively use

the most essential settings of a digital camera, as well as the sports and macro settings. This is a wonderful opportunity for students to learn how to solve problems and create meaning, expression, and symbolism within their work.

VISUAL DESIGN - ADOBE ILLUSTRATOR **Course: 4TEC502**
Grades 9, 10, 11 and 12 **Credit: .5 (Technology)**
Description: This course is designed to explore the versatility of vector graphics within Adobe Illustrator. Students will learn and apply the program's tools and the Principles and Elements of Design when making aesthetically appealing designs. Designs will also be output to different machines such as, a laser engraver, dye sublimation printer, vinyl cutter, etc. to make physical products. Students will have the opportunity to learn how to work with a "client" in our school or local community to create a personalized logo. Throughout the class, students will continually make a portfolio that can be later used for students seeking a career path in marketing or advertisement. Student evaluation is based on class assignments and projects.

WEB DESIGN 1 **Course: 4TEC601**
Grades 10, 11 and 12 **Credit: .5 (Technology)**
Prerequisite Recommendation: Algebra 1
Description: This course is designed to explore the world of website coding and design. Students will learn core web design fundamentals: HTML, CSS, and JavaScript while using Adobe Dreamweaver and Adobe Photoshop to assist in the design process. Students will also be educated on operating systems, browsers, and internet service providers. Students will be equipped with the skills and knowledge to code and develop a web site, add content, and make changes. Throughout the class, students will continually make a portfolio that can be later used for students seeking a career path in marketing or advertising. Student evaluation is based on class assignments and projects. **It is highly recommended that all students have passed or are simultaneously enrolled in Algebra 1.**

WEB DESIGN 2 **Course: 4TEC602**
Grades 10, 11 and 12 **Credit: .5 (Technology)**
Prerequisite: Web Design 1 (4TEC601)
Description: This course will reinforce website design principles, HTML5 and CSS coding. Students will gain an understanding of creating responsive websites using the BootStrap Framework. ColdFusion and SQL will also be used to create a dynamic web application that works on any platform or device. Students will learn about web hosting and domain name registration. Students will work with a "client" in our school or local community to create a personalized website. Throughout the class, students will continually make a portfolio that can be later used for students seeking a career path in marketing or advertisement. Student evaluation is based on class assignments and projects. It is highly recommended that all students taking the course were independently successful in Web Design 1 and finished the class with an 80% or higher.

DESIGN ENGINEERING TECHNOLOGY 1 **Course: 4TEC701**
Grades 10, 11 and 12 **Credit: .50 (Technology)**
Prerequisite: Technical Drawing 1 (4TEC101)
Description: This course is designed to explore the world of engineering. Students will have the opportunity to explore fields of engineering and the design knowledge that goes into them. The course is designed to reinforce problem solving, critical thinking, 3D modeling, and engineering career awareness. Students will use *Solidworks*, other 3D modeling programs, and machinery such as laser engravers and 3D printers to design, build, document, and test their solution to the given problem. Field trips and or guest speakers may be scheduled. Students will be challenged with problems, scenarios, and/or tasks in the following areas: Prosthetics, Structural Design, Alternative Transportation, and Mathematical Modeling. Student evaluation is based on class assignments, tests, and projects. It is highly recommended that all students taking the course were independently successful in Technical Drawing 1.

DESIGN ENGINEERING TECHNOLGY 2 **Course: 4TEC702**
Grades 10, 11 and 12 **Credit: 1.0 (Technology)**
Prerequisite: Design Engineering 1 (4TEC701) and Manufacturing Technology 1 (4TEC201)
Description: This course reinforces critical thinking, problem solving, 3D modeling and engineering career awareness. Students will use Solidworks, other 3D modeling programs, and machinery such as laser engravers and 3D printers to design, build, document, and test their solution to the given problem. Field trips and or guest speakers may be scheduled. Students will be challenged with problems, scenarios, and/or tasks in the following areas: Flight Endurance, Mechanical Design, and Control Systems (robotics). Student evaluation is based on class assignments, tests, and projects. It is highly recommended that all students taking the course were independently successful in Design Engineering and Technical Drawing 1.

World Languages

Intro to World Languages **Course 4LAN100**

Grades 9, 10, 11 and 12 **Credit 0.5**

Description: This exploratory course will introduce students to various aspects of world languages and cultures. This course will emphasize unique characteristics of the culture and languages of French, German and Spanish speaking countries.

SPANISH 1 **Course: 4LAN101**

Grades 9, 10, 11 and 12 **Credit: 1.0**

NCAA Approved

Description: Level 1 World Language students of Spanish begin to develop and practice basic communication skills in the areas of listening/reading/speaking and writing. They initiate exchanges of information and share simple opinions with others, within a framework of familiar, practiced situations. Learners demonstrate very basic skills in comprehending, interpreting and presenting information. They perform uncomplicated communicative tasks involving simple vocabulary of self, daily routines and survival. Learners collaborate, solve problems and connect with the arts and other disciplines through their language study. Students research and grow in awareness of cultural practices in Spanish-speaking countries. There are varied assessments including some portfolio and Internet involvement. By the end of the course, students should reach the Novice High level of the ACTFL proficiency guidelines.

SPANISH 2 **Course: 4LAN102**

Grades 9, 10, 11 and 12 **Credit: 1.0**

NCAA Approved

Prerequisite: Spanish 1 (4LAN101) - A minimum of a C average achieved in Spanish 1 is recommended.

Description: Level 2 World Language students of Spanish build on Level 1 skills of listening/reading/speaking and writing. Students are able to react appropriately in familiar social situations and create simple questions. They demonstrate emerging skills in comprehending, interpreting and presenting information. They engage in uncomplicated communicative tasks involving autobiographical, daily routine and survival needs and future plans. Learners collaborate, solve problems and demonstrate cultural connections with the arts and other disciplines through projects and research. They continue to grow in their awareness of Hispanic cultural practices and begin to expand communication skills to include past and future events in addition to activities in the present. There are varied assessments including portfolio and Internet involvement. ACTFL Novice High proficiency level moves toward Intermediate Low by the end of the course.

SPANISH 3 **Course: 4LAN103**

Grades 10, 11 and 12 **Credit: 1.0**

NCAA Approved

Prerequisite: Spanish 2 (4LAN102) - A minimum of a B average in Spanish 2 is recommended.

Description: Level 3 World Language students of Spanish build on Level 2 skills of listening/reading/speaking and writing. They not only exchange information and share opinions, but also will need to demonstrate a higher degree of skill in comprehending authentic literature and materials, interpreting and presenting information. They sustain and close communicative task conversations involving autobiographical, daily routine, survival needs and past and future events. Learners collaborate, solve problems and increasingly connect with the arts and other disciplines through projects and research. They demonstrate steady growth in awareness of Hispanic culture and its historical and social influences here and abroad. There are varied assessments including some portfolio and Internet involvement. ACTFL Intermediate Low proficiency moves toward Intermediate Mid by the end of the course. **Level 3 represents a challenging jump toward higher proficiency and increased preparation for university-level Spanish classes which is why a B average is suggested.**

SPANISH 4 **Course: 4LAN104**

Grades 10, 11 and 12 **Credit: 1.0**

NCAA Approved

Prerequisite: Spanish 3 (4LAN103) - A minimum of a B average in Spanish 3 is recommended.

Description: Level 4 World Language students of Spanish will perform speaking and writing tasks consistent with Intermediate Mid-

level expectations of the ACTFL Proficiency Guidelines. Students will perform written and oral communicative tasks on relevant topics such as personal and family information, preferences and opinions, physical and social needs, giving directions, travel necessities, education and career exploration, community institutions and resources, in addition to making cultural and historical comparisons between American and Hispanic cultures. They will also demonstrate increasing skills of listening, reading comprehension, and analyzing through use of a variety of authentic materials in Spanish such as audio and videotapes, recipes, art, music, newspapers, poetry and prose. They will use technology and multimedia to assist in research and language instruction, including some practice with national achievement and pro-achievement assessments. Both individually and collaboratively, learners will analyze, synthesize and create as effective problem solvers and critical thinkers while connecting their study of Spanish to the arts and other disciplines. Developing these more advanced skills will prepare students for university-level Spanish courses. Assessment throughout the course will be varied to allow learners to demonstrate their skills in a variety of ways. The ACTFL Intermediate Mid proficiency level moves toward Intermediate High by the end of the course.

FRENCH 1 **Course: 4LAN201**
Grades 9, 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Description: Level 1 World Language students of French initiate skills of listening/reading/speaking and writing. They begin to exchange information and share opinions. Learners demonstrate very basic skills in comprehending, interpreting and presenting information. They perform uncomplicated communicative tasks involving simple vocabulary of self, daily routines and survival. Learners collaborate, solve problems and connect with the arts and other disciplines. Students research and grow in cultural awareness. There are varied assessments including a portfolio component. By the end of the course, students should reach the Novice High Level of the ACTFL proficiency guidelines.

FRENCH 2 **Course: 4LAN202**
Grades 9, 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: French 1 (4LAN201) - A minimum of a C average achieved in French 1 is recommended.
Description: Level II World Language students of French build on Level I skills of listening/reading/speaking and writing. Students are able to react appropriately in social situations and create simple questions. They demonstrate emerging skills in comprehending, interpreting and presenting information. They engage in uncomplicated communicative tasks involving autobiographical, daily routine and survival needs. Learners collaborate, solve problems, and make cultural connections with the arts and other disciplines through projects and research. In addition to growth in cultural awareness, there are varied assessments including a portfolio component. ACTFL Novice high proficiency moves toward Intermediate low by the end of the course.

FRENCH 3 **Course: 4LAN203**
Grades 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: French 2 (4LAN202) - a minimum of a B average in French 2 is recommended.
Description: Level III World Language students of French build on Level II skills of listening/reading/speaking and writing. They not only exchange information and share opinions but also demonstrate a high degree of skill in comprehending, interpreting and presenting information. They engage in conversations involving autobiographical, daily routine and survival needs. Learners collaborate, solve problems and connect with the arts and other disciplines in projects and research. In addition to steady growth in cultural awareness, there are varied assessments including a portfolio component. ACTFL Intermediate Low proficiency moves toward Intermediate Mid by the end of the course. **Level 3 represents a challenging jump toward higher proficiency and increased preparation for university-level French classes which is why a B average is suggested.**

FRENCH 4 **Course: 4LAN204**
Grades 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: French 3 (4LAN203) - A minimum of a B average in French 3 is recommended.
Description: Level IV World Language students of French will perform speaking and writing tasks consistent with Intermediate Mid expectations of the Proficiency Guidelines provided by the American Council of Teachers of Foreign Languages. Performance tasks

will include using the target language to communicate on relevant topics such as personal and family information, preferences and opinions, physical and social needs, giving directions, travel necessities, education and career exploration, community institutions and resources, as well as to make cultural and historical comparisons between American and target-language cultures. They will also demonstrate increasing skills of listening, reading comprehension, and analyzing through use of a variety of authentic materials in the target language, including such things as audio and videotapes, recipes, art, music, newspapers, poetry and prose. They will use technology and multimedia to assist in research and language instruction, including some practice with national achievement and pro-achievement assessments. Both individually and collaboratively, students will analyze, synthesize and create as effective problem solvers and critical thinkers. Assessment throughout the course will be varied to allow students to demonstrate their skills in a variety of ways**.**

GERMAN 1 **Course: 4LAN301**
Grades 9, 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Description: Level 1 World Language students of German begin to develop and practice basic communication skills in the areas of listening/reading/speaking and writing. They initiate exchanges of information and share simple opinions with others, within a framework of familiar, practiced situations. Learners demonstrate very basic skills in comprehending, interpreting and presenting information. They perform uncomplicated communicative tasks involving simple vocabulary of self, daily routines and survival. Learners collaborate, solve problems and connect with the arts and other disciplines through their language study. Students research and grow in awareness of cultural practices in German-speaking countries. There are varied assessments including some portfolio and Internet involvement. By the end of the course, students should reach the Novice High level of the ACTFL proficiency guidelines.

GERMAN 2 **Course: 4LAN302**
Grades 9, 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: German 1 (4LAN301) - A minimum of a C average achieved in German 1 is recommended.
Description: Level 2 World Language students of German build on Level 1 skills of listening/reading/speaking and writing. Students are able to react appropriately in familiar social situations and create simple questions. They demonstrate emerging skills in comprehending, interpreting and presenting information. They engage in uncomplicated communicative tasks involving autobiographical, daily routine and survival needs and future plans. Learners collaborate, solve problems and demonstrate cultural connections with the arts and other disciplines through projects and research. They continue to grow in their awareness of German cultural practices and begin to expand communication skills to include past and future events in addition to activities in the present. There are varied assessments including portfolio and Internet involvement. ACTFL Novice High proficiency level moves toward Intermediate Low by the end of the course.

GERMAN 3 **Course: 4LAN303**
Grades 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: German 2 (4LAN302) - A minimum of a B average in German 2 is recommended.
Description: Level 3 World Language students of German build on Level 2 skills of listening/reading/speaking and writing. They not only exchange information and share opinions, but also will need to demonstrate a higher degree of skill in comprehending authentic literature and materials, interpreting and presenting information. They sustain and close communicative task conversations involving autobiographical, daily routine, survival needs and past and future events. Learners collaborate, solve problems and increasingly connect with the arts and other disciplines through projects and research. They demonstrate steady growth in awareness of German culture and its historical and social influences here and abroad. There are varied assessments including some portfolio and Internet involvement. ACTFL Intermediate Low proficiency moves toward Intermediate Mid by the end of the course. **Level 3 represents a challenging jump toward higher proficiency and increased preparation for university-level German classes which is why a B average is suggested.**

GERMAN 4 **Course: 4LAN304**
Grades 10, 11 and 12 **Credit: 1.0**
NCAA Approved
Prerequisite: German 3 (4LAN303) - A minimum of a B average in German 3 is recommended.

Description: Level 4 World Language students of German will perform speaking and writing tasks consistent with Intermediate Mid-level expectations of the ACTFL Proficiency Guidelines. Students will perform written and oral communicative tasks on relevant topics such as personal and family information, preferences and opinions, physical and social needs, giving directions, travel necessities, education and career exploration, community institutions and resources, in addition to making cultural and historical comparisons between American and German cultures. They will also demonstrate increasing skills of listening, reading comprehension, and analyzing through use of a variety of authentic materials in German such as audio and videotapes, recipes, art, music, newspapers, poetry and prose. They will use technology and multimedia to assist in research and language instruction, including some practice with national achievement and pro-achievement assessments. Both individually and collaboratively, learners will analyze, synthesize and create as effective problem solvers and critical thinkers while connecting their study of German to the arts and other disciplines. Developing these more advanced skills will prepare students for university-level German courses. Assessment throughout the course will be varied to allow learners to demonstrate their skills in a variety of ways. The ACTFL Intermediate Mid proficiency level moves toward Intermediate High by the end of the course.

WORLD CULTURES THROUGH THE CINEMATIC LENS **Course: 4LAN305**
Grades 10, 11 and 12 **Credit: 0.5**

Description: International cinema serves as a window into the culture and lives of those living in countries outside of our own and encourages us to consider life norms other than those we experience. Film can help students to explore the architecture, customs, foods, familial bonds, and historical considerations of different cultures without leaving home. Tying in with the languages taught here at Selinsgrove high school, French, German, and Spanish, a World Cinema Course will enhance cultural connections, expand world views and enable students to experience a world outside of their own. This course serves as an A or B day elective for one semester. Students will watch a sampling of foreign films, which will be discussed in class to introduce students to and expand students' knowledge of the cultures and attitudes of foreign countries, including those of the languages taught here at Selinsgrove. Coursework and topics will make cross-curricular connections with courses taught at SAHS, including music, art, history, foods, languages, and geography.

DUAL ENROLLMENT CREDIT Opportunity for Prospective Educators

INTRO TO EXCEPTIONALITIES – Susquehanna University Course
EDUC 160 (*Please inquire with your guidance counselor.)
Grades 11 and 12

Course Description

This elective course prepares students to understand the diverse needs of individuals with exceptionalities. Typical and neurotypical patterns of development are examined to provide an understanding of the 13 categories of exceptionality as defined by the Individuals with Disabilities Education Act (IDEA) and the Pennsylvania standards governing special education. Course topics include, but are not limited to: (a) the various disability categories and corresponding characteristics, effective practices and approaches to support the needs of these individuals; (b) legal, ethical and professional responsibilities of individuals and teachers working with children with disabilities, including those with multicultural and multilingual backgrounds; (c) perceptions of individuals with disabilities, (d) inclusion and inclusive practices; and (e) an exploration of career options in the field of special education.
4 SH. Prerequisite: none. CC: Diversity Intensive
The course includes required ***field experience (10 hours total)*** where students will: 1) observe students and explore the nature of their disabilities within a public school setting; 2) become a professional, contributing member of the classroom as needed, developing a positive rapport with staff and students; and 3) critically analyze their experiences. Students must have all required clearances submitted to the Education Department (Sara Wenrich) prior to beginning the field experience hours. This should be done at the start of the semester. Specific requirements and expectations for all of the above will be provided by the instructor and posted in Canvas.

Academic Services

Independent Study **Course: 4IND100**
Grades 11 and 12 **Credit: .5**
Prerequisite: Administrative and School Board Approval (At least 30 days prior to start)
Description: Students may sign up for this course to prepare an Independent Study of interest to them. The purpose of the class will be to help prepare a plan of study to present for approval. Once approved, the student will use the class time to work on the Independent Study.

Resources

SUN Area Technical Institute

The programs are organized into six clusters and more information about each cluster or specific program can be found at http://www.sun-tech.org/programs/ . Additionally, interested juniors can learn more about the Technical Institute from their Guidance Counselor. The Counselors also arrange information sessions and visits to the Technical Institute during the junior year.
ALL PROGRAMS ARE 1 YEAR for 6 CREDITS

Building Trades Cluster
Carpentry
Electrical Systems Technology
Masonry
HVAC & Plumbing Technology

Communications Cluster
Advertising Art & Design

Health & Services Cluster
Cosmetology
Dental Health Technology
Culinary Arts
Health Professions & Related Sciences
Criminal Justice

Manufacturing Cluster
Wood Design & Technology
Advanced Precision Machining
Welding

Transportation Cluster
Auto Technology
Collision Repair Technology
Diesel & Truck Technology

Technical Cluster
Electronics Technology
Computer & Networking Technology

Juniors who are planning to go to the Technical Institute their senior year should schedule Career Prep and Personal Finance as an elective during the junior year.

Additionally, there are some programs that meet other Selinsgrove Area School District requirements. These programs and the requirements they fulfill are:

SUN program	SUBJECT	CREDIT
Advanced Precision Machining	Mathematics	1.0
Advertising Art & Design	Technology requirement	0.5
Computer & Networking Technology	Technology requirement	1.0
Electrical Systems Technology	Science	1.0
Health Professions & Related Services	Health	0.5

For additional information on SUN Technical Institute Courses please do one of the following:

- Stop at the Guidance Office and pick up a SUN Technical Institute Course Booklet
- Look at the SUN Technical Institute Course Booklet on the Selinsgrove Area High School Website: http://www.seal-pa.org/hs/Shared%20Documents/Forms/AllItems.aspx
- For even more information on SUN Technical Institute, check out their website at: http://www.sun-tech.org/

NCAA Information

IF YOU ARE AN ATHLETE HOPING TO PLAY A SPORT IN COLLEGE IT IS IMPERATIVE THAT YOU BE AWARE OF THIS INFORMATION AND SHARE IT WITH YOUR PARENTS.

The NCAA Eligibility Center certifies the academic and amateur credentials of all students who want to play sports at an NCAA Division I or II institution as a freshman. To practice, play and receive an athletic scholarship, students need to meet certain academic benchmarks. An additional certification process exists to make sure the student is still an amateur, which is necessary for the student to compete.

College-bound student-athletes need to meet the following requirements:

- Graduate from high school.
- Complete a minimum of 16 core courses for Division I or II.
- Earn a minimum required grade-point average in core courses.
- Earn a qualifying test score on either the ACT or SAT.
- Request final amateurism certification from the NCAA Eligibility Center.

For Division I student-athletes, the following must be completed in addition to the above standards:

- Earn at least a 2.3 grade-point average in core courses.
- Meet an increased sliding-scale standard (for example, an SAT score of 820 requires a 2.5 high school core course GPA)
- Successfully complete 10 of the 16 total required core courses before the start of their seventh semester in high school. Seven of the 10 courses must be successfully completed in English, math and science.

Students who earn at least a 2.0 GPA and meet the current sliding-scale standard will be eligible for practice in the first term and athletically related financial aid the entire year, but not competition. Freshmen who are academically successful in the first term will earn the ability to continue to practice for the remainder of the year.

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

Please be aware that the courses identified in this booklet are approved courses as of August 1, 2018. The best place to see the most current listing of courses is at the NCAA website: https://web1.ncaa.org/hsportal/exec/hsAction .