

2026-2027 9th Grade
Course Description Guide



Selinsgrove Area High School

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



www.seal-pa.org

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Selinsgrove, PA 17870
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High School Counselors

Mr. Matt Lehman, Last Names A – G
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Selinsgrove Area High School is a Global Scholars High School

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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:

1 st Letter:	2 nd Letter	3 rd 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 Of 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 Recommended Activities: .5 Personal Finance .5 Career Prep .5 Arts 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				
POSTSECONDARY	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				
	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				
POSTSECONDARY	Year 15	Technical Writing	Statistics	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 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 ► Maître 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				
	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.					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.	



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.						

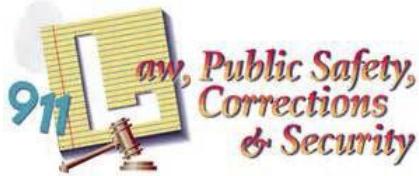


Information Technology

Career Cluster Plan of Study ► 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.	► 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
	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	<i>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</i>	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 Die maker ► 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		<i>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.</i>		► Pattern and Model Maker ► Production Manager ► Quality Control Technician ► Safety Engineer ► SPC Coordinator ► Tool and Die maker ► Traffic Manager ► Welder
	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 ► 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 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.						



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	► 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		Recommended Activities: TSA World Languages Clubs Key Club Forensics Student Council	
	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)	English 3 Honors	Trigonometry/Analytic Geometry Honors
WAHG 1 Honors (part of WAHGlish)	Biology Honors	
English 2 Honors	Integrated Science Honors	
WAHG 2 Honors	Algebra 2 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
<u>9.5</u>	Additional/Elective Credits

27 Total Credits Needed to Graduate

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

9 th Grade	10 th Grade	11 th Grade	12 th 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			

*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
Grade 10 to Grade 11	6
Grade 11 to Grade 12	9

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

Grades 9 and 10

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.

Course: 4AGS105 & 4AGS106

Credit: 1.0

INTRODUCTION TO AGRICULTURAL MECHANICS

Grades 9 and 10

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.

Course: 4AGS107

Credit: .5

Art

INTRODUCTION TO ART

Grades 9, 10 and 11

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.

Course: 4ART101

Credit: .5

DRAWING AND PAINTING I

Grades 9, 10, 11 and 12

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.

Course: 4ART201

Credit: .5

SCULPTURE I**Grades 9, 10, 11 and 12****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.

Course: 4ART301**Credit: .5****CERAMICS I****Grades 9, 10, 11 and 12****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.

Course: 4ART401**Credit: .5**

Business, Computers, and Information Technology

COMPUTER APPLICATIONS**Grades 9, 10, 11 and 12**

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.

Course: 4BUS301**Credit: .5 (Technology)**

English

ENGLISH 1**Grade 9****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.

Course: 4ENG104**Credit: 1.0**

ENGLISH 1 HONORS (WAHGlish)**Grade 9****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.

Course: 4ENG601**Credit: 1.00****ENGLISH 2****Grades 9, 10****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.

Course: 4ENG204**Credit: 1.0**

Family and Consumer Sciences

DISCOVERING FOODS**Grades 9, 10, 11 and 12**

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.

Course: 4FCS201**Credit: .5****ASIAN CUISINE AND CULTURE****Grades 9, 10, 11 and 12**

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.

Course: 4FCS202**Credit: .5**

EUROPEAN CUISINE AND CULTURE**Grades 9, 10, 11 and 12****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.

Course: 4FCS203**Credit: .5**

Health and Physical Education

PHYSICAL EDUCATION 1 & 2**Grades 9 and 10**

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.

Course: 4HPE101**Credit: .5****HEALTH/WELLNESS****Grades 9, 10, 11, and 12**

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.

Course: 4HPE302**Credit: .5****LIFETIME FITNESS****Grades 9, 10, 11 and 12****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.

Course: 4HPE303**Credit: .5****POWER WEIGHT TRAINING****Grades 9, 10, 11 and 12****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.

Course: 4HPE401**Credit: .5**

Mathematics

ALGEBRA 1 A/B

Grade 9

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

Grade 9

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.

ALGEBRA 2 CP

Grades 9, 10

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

Grade 9

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 CP

Grades 9, 10 and 11

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. measure.

Course: 4MAT202

Credits: 2.00 (1.0 Math/1.0 Elect.)

Course: 4MAT201

Credit: 1.0

Course: 4MAT302

Credit: 1.0

Course: 4MAT303

Credit: 1.0

Course: 4MAT402

Credit: 1.0

Music

MUSIC THEORY 1

Grades 9, 10, 11 and 12

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.

Course: 4MUS101

Credit: .5

PIANO CLASS 1

Grades 9, 10, 11 and 12

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.

Course: 4MUS201

Credit: .5

PIANO CLASS 2 – 4

Grades 9, 10, 11 and 12

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.

Course: 4MUS202

Credit: .5

GUITAR CLASS 1

Grades 9, 10, 11, and 12

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.

Course: 4MUS203

Credit: .5

GUITAR CLASS 2 – 4

Grades 9, 10, 11 and 12

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.

Course: 4MUS204

Credit: .5

BAND**Grades 9, 10, 11 and 12**

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.

Course: 4MUS301**Credit: 1.0****MIXED CHORUS****Grades 9, 10, 11 and 12****Course: 4MUS401 (Semester 1)****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**Grades 9, 10, 11 and 12****Course: 4MUS501****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**Grades 9, 10, 11 and 12****Course: 4MUS601****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.

Science

INTEGRATED SCIENCE

Grade 9

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.

Course: 4SCI105

Credit: 1.0

INTEGRATED SCIENCE HONORS

Grade 9

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.

Course: 4SCI106

Credit: 1.0

BIOLOGY

Grades 9, 10

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.

Course: 4SCI300

Credit: 1.0

BIOLOGY HONORS

Grades 9, 10

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.

Course: 4SCI309

Credit: 1.0

Social Studies

WORLD & AMERICAN HISTORY & GEOGRAPHY (WAHG) 1

Grades 9, 10, 11 and 12

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)

Grade 9

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.**

Course: 4SOC101

Credit: 1.0

Course: 4SOC103

Credit: 1.0

Technology Education

TECHNICAL DRAWING 1-SOLIDWORKS

Grades 9, 10, 11 and 12

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.**

Course: 4TEC101

Credit: .5 (Technology)

MATERIAL PROCESSING 1

Grades 9, 10, 11 and 12

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.

Course: 4TEC201

Credit: .5

MATERIAL PROCESSING 2**Grades 9, 10, 11 and 12****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.

Course: 4TEC202**Credit: .5****DIGITAL PHOTOGRAPHY & ADOBE PHOTOSHOP****Grades 9, 10, 11 and 12**

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.

Course: 4TEC501**Credit: .5 (Technology)****VISUAL DESIGN - ADOBE ILLUSTRATOR****Grades 9, 10, 11 and 12**

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.

Course: 4TEC502**Credit: .5 (Technology)**

World Languages

Intro to World Languages**Grades 9, 10, 11 and 12****Course 4LAN100****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**Grades 9, 10, 11 and 12****NCAA Approved****Course: 4LAN101****Credit: 1.0**

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**Grades 9, 10, 11 and 12****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.

Course: 4LAN102**Credit: 1.0****FRENCH 1****Grades 9, 10, 11 and 12****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.

Course: 4LAN201**Credit: 1.0****FRENCH 2****Grades 9, 10, 11 and 12****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.

Course: 4LAN202**Credit: 1.0****GERMAN 1****Grades 9, 10, 11 and 12****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.

Course: 4LAN301**Credit: 1.0**

GERMAN 2**Grades 9, 10, 11 and 12****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.

the end of the course.

Course: 4LAN302**Credit: 1.0**

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

Manufacturing Cluster

Wood Design & Technology
Advanced Precision Machining
Welding

Communications Cluster

Advertising Art & Design

Transportation Cluster

Auto Technology
Collision Repair Technology
Diesel & Truck Technology

Health & Services Cluster

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

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> .