

Somerset

HIGH SCHOOL

COURSE DESCRIPTION AND REGISTRATION GUIDE FOR FRESHMEN 2019~2020



At Somerset High School, every child is important and every child can learn. All students, parents and staff are committed to assuring effective leadership, instruction, and engagement of all students, to improve individual student success. Rigorous classes as well as innovative strategies will ensure opportunities for every student to achieve his/her highest potential. All stakeholders share with our community the responsibility for the education of all students, so they will be college and career ready to live and work productively in a rapidly changing world.

~Tradition guides us; Achievement Drives us~

Somerset High School Minimum Requirements for Graduation

English: 4 credits - including English I, English II, and 2 additional English courses

Math: 4 credits – including Algebra I, Geometry, and 2 additional mathematics courses

Science: 3 credits – including Physical Science, Biology, and 1 additional science course (either Environmental Science, Chemistry or Physics)

Social Studies: 3 credits – including Integrated Social Studies, World Civilization, and US History

Health: ½ credit

Physical Education: ½ credit

Digital & Financial Literacy: 1 credit

Humanities: 1 credit

Electives: 8 credits

Minimum Credit Requirements for Graduation: 25

Passing score of 60% or above on the board approved Civics Exam.

Students entering high school in the 2019-20 school year must complete ONE of eight Graduation Qualifiers:

1. Precollege curriculum as established by the Council on Postsecondary Education in 13 KAR 2:020; OR
2. Benchmark score in one section of a college admissions or placement examination as established by the Council on Postsecondary Education in 13 KAR 2:020; OR
3. Three postsecondary credit hours or more of a Kentucky Department of Education approved dual credit course with a grade of C or higher; OR
4. One course and corresponding assessment meeting the following criteria: • Advanced placement (AP) with a score of three or higher; OR
5. Industry certification as approved by the Kentucky Workforce Innovation Board; OR
6. Four credits from valid courses within a single KDE-approved career pathway; OR
7. Complete 2 years of a KDE approved or Kentucky Labor Cabinet approved pre-apprenticeship or apprenticeship; OR
8. A Kentucky Department of Education approved process to verify 500 hours of exceptional work experience, or alternative requirements as prescribed in a student's IEP.

To be promoted from one grade to the next grade level, students must meet the following credit requirements:		
To 10 th grade—6 credits	To 11 th grade—12 credits	To 12 th grade—18 credits

NOTE: All students must complete an Individual Learning Plan (ILP) and participate in the state mandated testing as a graduation requirement. You may contact the SHS Counseling Office for log in information.

KENTUCKY PRE-COLLEGE CURRICULUM

The Kentucky Council of post-secondary education recommends students take certain coursework for their college preparation. **This does not mean students cannot be accepted to a four-year college.** It is the student's responsibility to know the entrance requirements for the school he/she plans to attend.

<p>English/Lang. Arts - 4 credits required English I, English II, and 2 additional English Courses</p>	<p>Physical Education – ½ credit required Health – ½ credit required</p>
<p>Mathematics - 4 credits required Algebra I, Geometry and 2 additional math courses Students are required to take a math course each year of high school (704 KAR 3:305)</p>	<p>History and Appreciation of Visual, Performing Arts - 1 credit required</p>
<p>Science - 3 credits required Credits to include life science, chemistry, physics (at least one lab course)</p>	<p>Foreign Language-2 credits required in the same language or demonstrated proficiency</p>
<p>Social Studies - 3 credits required from content of US History, Economics, Government World Geography, World Civilization</p>	<p>Electives – 7 credits required</p>

DIPLOMAS OFFERED AT SOMERSET HIGH SCHOOL

Scholar Diploma **(28 credits minimum)**

- 4 English credits (must take one each year in high school)
 - English I
 - English II or Accelerated English II
 - English III or AP English Language
 - English IV or AP English Literature

- 4 Math credits (must take one each year in high school)
 - Algebra I or Accelerated Algebra 1
 - Geometry or Accelerated Geometry
 - Algebra II or Accelerated Algebra II
 - One additional math course

- 4 Science credits (must take one each year for 9th, 10th and 11th grades)
 - Physical Science
 - Biology or Accelerated Biology or AP Biology
 - Chemistry OR AP Physics
 - One additional science course/elective

- 3 Social Studies credits (must take one each year for 9th, 10th and 11th grades)
 - Integrated Social Studies
 - World Civilization or AP World History
 - U.S. History or AP US History

- 1 Humanities credit
- 1 Digital & Financial Literacy credit
- ½ Health credit
- ½ Physical Education credit
- 2 Foreign Language credits in the same language
- At least 4 Advanced Placement (AP) and/or Dual Credit courses. (May be any AP courses that is among course offerings at Somerset High School and **AP Exam required.**)
- Remaining required number of credits to be fulfilled by electives
- Must have a 4-year cumulative GPA of 3.0
- Must meet minimum score on the Civics Exam
- **Must meet the Benchmarks on ACT**

DIPLOMAS OFFERED AT SOMERSET HIGH SCHOOL

College Preparatory Diploma

(26 credits minimum)

- 4 English credits (must take one each year in high school)
 - English I
 - English II or Accelerated English II
 - English III or AP English Language
 - English IV or AP English Literature

- 4 Math credits (must take one each year in high school)
 - Algebra I or Accelerated Algebra 1
 - Geometry or Accelerated Geometry
 - Algebra II or Accelerated Algebra II
 - One additional math course

- 3 Science credits (must take one each year for 9th, 10th and 11th grades)
 - Physical Science
 - Biology, Accelerated Biology or AP Biology
 - Chemistry or AP Physics

- 3 Social Studies credits (must take one each year for 9th, 10th and 11th grades)
 - Integrated Social Studies
 - World Civilization or AP World History
 - U.S. History or AP U.S History

- 1 Humanities credit
- 1 Digital & Financial Literacy credit
- ½ Health credit
- ½ Physical Education credit
- 2 Foreign Language credits in the same language
- 7 elective credits
- Must have a 4-year cumulative GPA of 2.5
- Must meet minimum score on the Civics Exam
- **Must meet the CPE Benchmarks on ACT**

DIPLOMAS OFFERED AT SOMERSET HIGH SCHOOL**Standard Diploma****(25 credits minimum)**

- 4 English credits (must take one each year in high school)
 - English I
 - English II or Accelerated English II
 - English III or AP English Language
 - English IV or AP English Literature
- 4 Math credits (must take one each year in high school)
 - Algebra I or Accelerated Algebra 1
 - Geometry or Accelerated Geometry
 - Additional math course
 - Additional math course
- 3 Science credits (must take one each year for 9th, 10th and 11th grades)
 - Physical Science
 - Biology or Accelerated Biology or AP Biology
 - Environmental Science or Chemistry or AP Physics
- 3 Social Studies credits (must take one each year for 9th, 10th and 11th grades)
 - Integrated Social Studies
 - World Civilization or AP World History
 - U.S. History or AP US History
- 1 Humanities credit
- 1 Digital & Financial Literacy credit
- ½ Health credit
- ½ Physical Education credit
- Must meet minimum score on the Civics Exam
- 8 elective credits

What does it mean to be *College Ready*?

In order to be considered *College Ready* by the state of Kentucky, students must meet benchmarks on a college entrance exam.

ACT—this test is a college entrance exam and is used by colleges to decide admission of applicants to respective colleges. All juniors at SHS take this test in March. Students may also take the ACT at an off-campus location on national testing dates. [Register at www.act.org](http://www.act.org)

Somerset High School offers Transition Courses in both math and English to 12th graders who do not meet benchmark on a college entrance exam. Strategies and content are gone over daily to help students prepare to meet benchmark scores. If a student does not graduate *college ready*, he or she will be required to enroll and pay for remedial classes for the areas where benchmarks were not met upon entering a college or university. The classes will help students become prepared for college level work but they will not receive any college credit for remedial classes. They have typically been called “00” classes. Thousands of dollars can be saved when students are *college ready*.

KENTUCKY BENCHMARKS FOR COLLEGE READINESS ACT

English....18 or higher

Math.....19 or higher

Reading...20 or higher

American College Testing (ACT) National Benchmarks

English18 or higher

Math22 or higher

Reading.....22 or higher

What do These Benchmarks Really Mean?

By obtaining the benchmarks or higher, this means that students are more likely to be successful by receiving at least a B average in that subject’s college course work.

What helps prepare students to be *College Ready*?

ACT—as mentioned, all students can take the ACT earlier and are encouraged to do so. This is THE assessment that will let them know what skills they need to focus on in order to prepare to meet the benchmarks on the ACT and meet college readiness.

Is there any other way for students to be *College Ready*?

A student may also be considered College Ready by taking AP or Dual Credit classes and passing a benchmark score. A grade of B or higher in each course for 6 or more hours of KDE-approved dual credit courses OR a score of 3+ on exams in two or more Advanced Placement courses. Academic readiness shall include one math or science AND one English, Arts, Humanities or Social Studies.

What does it mean to be *Career Ready*?

In order to be considered *Career Ready*, students must complete 3 specific courses in a Career and Technical (CTE) pathway and complete and pass one of the following options...

Career Technical Education End of Program Assessment

CTE EOP - Students must earn a 70 on academic, employability, occupational multiple choice assessment. Students take the assessment that is aligned to the career and technical career path they have chosen, i.e.—Business, Marketing, Welding, etc.

OR

Industry Certification

These certificates are based on industry standards and are outlined in the specific career and technical program a student is in. Industry certification programs are offered through the Area Technology Center.

What is the benefit to being *Career Ready*?

Students graduate with more training and skills than many employees beginning in the respective industries. This means more money in industry-related jobs for graduates plus these students are very marketable because of the reputation of the SHS Career and Technical Programs and the Pulaski County Area Technology Center's programs.

CAREER COMPLETER—students need to make wise choices about the classes they choose to take. If they desire to be a career completer, each student will need to plan carefully so they have at least 4 specific courses in a career path to complete the program.

ALTERNATIVE DIPLOMA

1. Students who meet at-risk criteria, as defined by applicable law, regulation, and local policy, will be eligible to apply for the Alternative Diploma Program.
2. A student may apply OR be referred to the program by a faculty member and the Principal will refer the student to the Superintendent for approval in the Alternative Diploma program.
3. When approval is granted, a counselor/administrator will meet with the student and create an Individualized Diploma Plan as a part of their diploma program which will consist of classes needed, school day schedule and delivery method(s).
4. Twenty-two (22) credits will be required to graduate within the alternative graduation diploma program.
 - student may graduate before their class is scheduled to do so;
 - student may have an altered school day;
 - student will be allowed to participate in graduation activities on the same terms as other diploma candidates.

EARLY GRADUATION

EARLY GRADUATION CERTIFICATE

The Early Graduation regulation is a result of Senate Bill 61 (2013) and is a companion to Senate Bill 97 (2013). To summarize the regulation, Early Graduation will be possible for students who intend to progress through high school on an accelerated timeline and graduate college ready in three years or less.

Early Graduation is a deliberate pathway for students that wish to move on when ready, receive a diploma from the district and be eligible for acceptance into Kentucky public universities and non-profit independent colleges and universities. The regulation provides a financial scholarship, known as the Early Graduation Certificate, to support this action.

Students who meet all applicable legal requirements shall be eligible for early graduation in relation to receipt of an Early Graduation Certificate. Students wishing to follow an early graduation pathway shall notify the Principal of their intent prior to the beginning of grade nine (9) or as soon thereafter as the intent is known, but within the first thirty (30) school days of the academic year in which they wish to graduate. A Letter of Intent to Apply shall be entered into the student information system by October 1st of the year the student declares intent to graduate early. Students must meet ACT benchmarks & state-approved EOC benchmarks prior to intended graduation date. KRS 158.142

Students working toward receipt of an Early Graduation Certificate shall be supported by development and monitoring of an individual learning plan. Students who meet all applicable legal requirements shall be awarded a diploma and an Early Graduation Certificate. This includes a one-time early graduation scholarship & award of all four years KEES monies.

ADVANCED PLACEMENT (AP)

Advanced Placement is a program in the United States and Canada created by the College Board which offers college-level curricula and examinations to high school students. American colleges and universities may grant placement and course credit to students who obtain high scores on the examinations. The AP curriculum for each of the various subjects is created for the College Board by a panel of experts and college-level educators in that field of study. For a high school course to have the designation, the course must be audited by the College Board to ascertain that it satisfies the AP curriculum. If the course is approved, the school may use the AP designation and the course will be publicly listed on the AP Course Ledger.

- Student must meet prerequisite requirements to enroll in an AP class: Current teacher in subject area must sign/approve and a minimum of a “B” in current class.
- Advanced Placement (AP) courses will be considered “weighted” for class ranking.
- **Students must take the AP exam in order to weight and reflect AP on transcript.**
- If a student passed the AP exam with a score of 3 or higher, the Somerset Board of Education will reimburse them for the cost of the exam.

DUAL CREDIT

Dual Credit Options

Dual Credit Scholarship – The Kentucky Dual Credit Scholarship Program pays for up to two dual credit courses for students during their high school career and is distributed through KHEAA. Additionally, the program establishes a dual credit tuition rate ceiling for all dual credit coursework at participating postsecondary institutions (PPI).

Any Junior or Senior student interested in taking Dual Credit classes (either on campus at SHS, off campus at SCC, or online) will complete an Advanced Academic Academy application. In addition to meeting ACT college benchmarks, the student should have characteristics of good attendance, responsibility, and initiative to be a good candidate for taking college courses while in high school. Successfully completed dual credit coursework will be considered weighted for class ranking & KEES monies.

Students need only apply to the Academy and SCC once. (Either as a sophomore for the junior year, or as a junior for the senior year.) Applications are due in the spring semester for the next fall.

SEEK program – Student may enroll in one SEEK class (technical/career course listing), and up to 1 other general education course. Tuition for both courses is paid through the SEEK program. Student is responsible for the cost of books and any fees associated with the course.

Non-SEEK program – Student is responsible for their tuition as well as the cost of books and any online fees set by institution.

Any student wishing to schedule above 6 hours of college coursework per semester will have to be approved by the principal **and** college/university.

Graduation Honors and Class Ranking

Any student with an unweighted grade point average of 3.6 or higher will be considered as graduating with honors and will be recognized by the Board of Education at the graduation ceremony. According to the policy, a “graduating senior” shall be a student who has previously completed seven (7) high school semesters and is currently completing the eighth (8th) high school semester at Somerset High School or who has successfully met all requirements for early graduation.

The Board of Education will recognize seniors who have completed all state and Board requirements for graduation, have achieved a high level GPA , and taken AP courses as outlined below by identifying individual students as graduating Cum Laude, Magna Cum Laude, or Summa Cum Laude.

Requirements for each of the Board’s recognition levels:

Recognition	Unweighted GPA	Required Courses (if any)
Cum Laude	3.6	None
Magna Cum Laude	3.7	Four AP courses
Summa Cum Laude	4.0	Six AP courses

Class Ranking

Class ranking will be determined by highest weighted grade point average. GPA will be computed according to the scale that is used by the state for weighted coursework and KEES scholarships. Grade Point Average is based on a 4.0 scale. **Students must complete the AP exam for a course to be weighted on the transcript.**

Advanced Placement and Dual Credit Course Point Scale:

A=5, B=4, C=3, D=2, F=0

All other coursework Point Scale:

A=4, B=3, C=2, D=1, F=0

Somerset High School Grading Scale

90-100 = A, 80-89 =B, 70-79 = C, 60-69 = D, 59 + below = F

Kentucky Educational Excellence Scholarship (KEES)

The KEES program provides scholarships to students who earn at least a 2.5 GPA each year they attend a certified Kentucky high school to be used after he or she graduates. The better they do in high school, the more they earn toward college. Students may also earn scholarship awards for ACT/SAT and Advanced Placement (AP) or International Baccalaureate (IB) test scores as well as completed dual credit coursework.

KEES Base Award Amounts

For each year you earn a 2.5 or better weighted GPA, you can earn the base amount listed below. For instance, a high school freshman who earns a 3.5 GPA would have a \$375 scholarship for each year of college. Amounts may change based on available funds.

Note: Students who are approved and successfully meet early graduation requirements

GPA	Amount	GPA	Amount	GPA	Amount	GPA	Amount	GPA	Amount
2.50	\$125	2.80	\$200	3.20	\$300	3.50	\$375	3.80	\$450
2.60	\$150	2.90	\$225	3.25	\$312	3.60	\$400	3.90	\$475
2.70	\$175	3.00	\$250	3.30	\$325	3.70	\$425	4.00	\$500
2.75	\$187	3.10	\$275	3.40	\$350	3.75	\$437		

ACT Bonus Award Amounts

Students can earn a bonus award for an ACT score of 15 or above. For example, a KEES-eligible student who has a score of 25 would earn an additional \$393 for each year of college.

ACT Score Bonus

Score	Bonus	Score	Bonus	Score	Bonus
15	\$36	20	\$214	25	\$393
16	\$71	21	\$250	26	\$428
17	\$107	22	\$286	27	\$464
18	\$143	23	\$321	28+	\$500
19	\$179	24	\$357		

AP Supplement Award Amounts

If you have been eligible for free or reduced-price lunch during any year of high school and have earned a qualifying score on an Advanced Placement (AP) you can earn a supplemental award. For example, a KEES eligible student who receives a score of 3 on an AP exam and is eligible for free or reduced-price lunch would earn an additional \$200 for each year of college.

Exam Score	Supplemental Amount
3	\$200
4	\$250
5	\$300

COURSES OFFERED BY SOMERSET HIGH SCHOOL FOR FRESHMEN**LANGUAGE ARTS**

Students must complete an English class each year while in high school.

English I - 1 credit (230107)**Grade Level: 9**

English I continues to develop the language arts abilities in reading, writing, speaking, and thinking gained in the elementary and middle schools. Students study a variety of types of literature and practice the stages of the writing process by composing for a variety of purposes and audiences. They refine their abilities to handle conventional matters of punctuation, spelling, and usage within the context of writing. Student's writing experiences are not restricted to responding to and interpreting literature. **(Required)**

Incoming 8th graders who earn an "A" or "B" (in English I as an 8th grader) may elect to take English II their freshmen year. The 8th grade final grade will count for high school credit and will count toward their high school cumulative grade point average.

Accelerated English II- 1 credit (230110A)**Grade Level: 9 or 10**

English II continues the refinement of student's skills in language arts. Students read, respond to and interpret a variety of types of literature and journalistic writings and continue their study of the writing process; reinforcing their writing skills in addressing a variety of audiences and purposes. Student writing in context is used as the basis for teaching the skills or mechanics and usage. Students will take the state required End of Course Exam (EOC) at the conclusion of this course. A student will receive credit for English II or Accelerated English II, but not both. **(Required)**

MATH

Students must complete a math class each year while in high school.

Algebra I – 1 credit (270304)

Grade Level: 9 & 10

To be successful in this algebra course, it is imperative that students have excellent study habits, maturity, and self-motivation. This course is designed for students who are proficient in basic mathematics and have mastered pre-algebra skills. Topics will include the real number system, number theory, algebraic expressions and sentences, linear and quadratic equations, inequalities, operation with polynomials, relations and functions, graphing, systems of equations, exponents, factoring polynomials, and arithmetic of radical expressions. **(Required)**

Accelerated Algebra I- 1 credit (270304A)

Grade Level: 9

To be successful in this algebra course, it is imperative that students have excellent study habits, maturity, and self-motivation. This course is designed for students who are proficient in basic mathematics and have mastered pre-algebra skills. Topics will include the real number system, number theory, algebraic expressions and sentences, linear and quadratic equations, inequalities, operation with polynomials, relations and functions, graphing, systems of equations, exponents, factoring polynomials, and arithmetic of radical expressions. A student will receive credit for Accelerated Algebra I or Algebra I, but NOT both. **(Required)**

Incoming 8th graders who earn an “A” or “B” (in Algebra I as an 8th grader) may elect to take Accelerated Geometry their freshmen year. The 8th grade final grade will count for high school credit and will count toward their high school cumulative grade point average.

Accelerated Geometry – 1 credit (270401A)

Grade Level: 9 - 10

Prerequisite: Algebra I or Accelerated Algebra I. This course is designed so the students can develop skills and concepts from the relevant statements in the Kentucky Core Academic Standards for Mathematics in order to earn the high school graduation credit for Geometry at an accelerated pace. A student will receive credit for Accelerated Geometry or Geometry, by NOT both. **(Required)**

SCIENCE**3 science courses are required at Somerset High School****One class taken each year 9th, 10th, and 11th grades.**Doubling up 9th or 10th grade does not allow a student to skip a science course his or her 11th grade year.**Physical Science - 1 credit (304021)****Grade Level: 9**

Students develop a conceptual understanding of physical science, as outlined in the Kentucky Academic Standards for Science, through the use of the science and engineering practices. They experience physical science concepts such as structure of atoms, structure and properties of matter, chemical reactions, motions and forces, conservation of energy and increase in disorder, and interactions of energy and matter. The use of the science practices describes the behaviors students will engage in as they investigate the natural world. The use of the engineering practices describe behaviors students will use as they design and build models and systems. **(Required)**

Incoming 8th graders who earn an "A" or "B" (in Physical Science as an 8th grader) may elect to take Biology their freshmen year. The 8th grade final grade will count for high school credit and will count toward their high school cumulative grade point average.

Accelerated Biology- 1 credit (302601A)**Grade Level: 9**

Pre-requisite: A or B in Physical Science. This course allows students to attain all the concepts contained in the description for Biology with the opportunity provided for students to progress ahead of the non-honors course. A student will receive credit for Accelerated Biology or Biology, but NOT both. **(Required)**

SOCIAL STUDIES

3 social studies courses are required

One class taken each year 9th, 10th, and 11th grades.

Doubling up 9th or 10th grade does not allow a student to skip a social studies course his or her 11th grade year.

Integrated Social Studies – 1 credit (459801)

Grade Level: 9

Integrated Social Studies should provide students with an overview of the cultures, geography, governments, and economic systems of the world; plus an in-depth study of the United States; government and its economic system. One semester of the course will focus on government, civics and economics; the other semester will be focused on world geography. **(Required)**

Advanced Placement Psychology- 1 credit (459902)

Grade Level: 9-12

Advanced Placement Psychology is the scientific, theoretical principles of individual human behavior. Students will be exposed to various topics in the field of psychology research. College Credit earns upon successful completion of AP exam. **(Elective)**

HEALTH AND PHYSICAL EDUCATION

½ credit of each is required for graduation

Health Education - 1/2 credit (340133)

Grade Level: 9-10

This course emphasizes instruction in the essential health skill areas, which include community/consumer health, safety and accident prevention, substance use and abuse, growth and development, personal health, mental health, family life, environmental health, and nutrition education. **This class must be completed by the end of the sophomore year. (Required)**

Physical Education I - 1/2 credit (340216)

Grade Level: 9-10

Physical Education I is the basic secondary physical education course required of all pupils. It provides an extension of instruction received during elementary and middle school physical education in activities selected according to individual needs and interests of pupils. A variety of activities are introduced which stress the development of basic skills, rhythmic activities, individual, dual and team sports and games, and self-testing, physical fitness activities. **This class must be completed by the end of the sophomore year. (Required)**

FINE ARTS

Visual Art I – 1/2 or 1 credit (500710)**Grade Level: 9-12**

This course provides instruction in the basic arts areas with emphasis on design, drawing, painting, print making, sculpture, ceramic, and textile design. Additional experience in photography, film, and video and computer graphics may be included. **Visual** art careers, art history, appreciation, evaluation, and aesthetes will be incorporated in the studio instruction. **(Elective)**

Concert Band – ½ or 1 credit per year (500913)**Grade Level: 9-12**

Students develop techniques for playing brass, woodwind, and percussion instruments as a means to studying and performing a variety of concert band literature styles. Critical analysis and problem solving, collaboration, and musical skills and understandings are developed through rehearsal and performance experiences. Band courses may be offered on multiple skill levels to accommodate student proficiency. **(Elective, may be taken multiple years)**

Chorus – ½ or 1 credit per year (500925)

This course teaches music through group performance. The choral groups study and perform a widely varied program of music literature. A natural outgrowth of this course is appropriate performance, festivals and concerts. After school time may be required. **(Elective, may be taken multiple years)**

Vocal Ensemble- 1 credit per year (500926)**Grade Level: 9-12**

Pre-requisite: Audition with teacher. Vocal Ensemble requires the ability to sight read sheet music and harmonize by ear. This course will develop students; vocal techniques and the ability to sing part in specialized vocal ensemble such as madrigal singer, chamber singers, a cappella groups, glee club, pop rock groups, etc. This course may include the development of solo singing ability. **(Elective, may be taken multiple years)**

Musical Theatre- ½ or 1 credit per year (500533)**Grade Level: 9-12**

Students experience various aspects of musical theater, including auditioning, singing, acting and dancing. They review the history and evolution of musical theater, its literature and artists, and styles of compositions and vocal presentation. **(Elective, may be taken multiple years)**

SOMERSET HIGH SCHOOL CAREER MAJORS

ENGINEERING /PROJECT LEAD THE WAY (PLTW)

Complete any (3) THREE CREDITS from the following to test CTE EOP, Complete (4) Four Credits to be a Career Major Completer or transition ready:

Complete the following:

- 2199901 Introductions to Engineering Design
- 219902 Principles of Engineering
- 219905 Civil Engineering and Architecture
- 219906 Engineering Design and Development

Introduction to Engineering Design- 1 credit (219901)

Grade Level: 9 - 12

Students explore technology systems and engineering processes to find out how math, science, and technology help people. Students will use the design process and industry standard 3D modeling software to design solutions to solve proposed problems. **(Elective)**

ENTREPRENEURSHIP/BUSINESS

PATHWAY DESCRIPTION: A program that generally prepares individuals to plan, organize, direct, and control the functions and processes of a firm or organization. Includes instruction in management theory, human resources management and behavior, accounting and other quantitative methods, purchasing and logistics, organization and production, marketing, and business decision-making.

-Complete any (3) THREE CREDITS to test CTE EOP, complete (4) Four Credits to be a Career Major Completer or transition ready. (Credits must include Principles of Marketing, Business Management, & Entrepreneurship):

- 060112 Digital Literacy (Graduation Requirement)*
- 080716 Principles of Marketing*
- 060411 Business Management
- 080310 Entrepreneurship* (This course will be offered every other academic year)
- 060122 Accounting & Finance Foundations* (This course will be offered every other academic year)

** These courses also count in the Marketing Pathway*

Digital & Financial Literacy- 1 credit (060112)

Grade Level: 9-10

Students will use a computer and application software including word processing, presentation, database, spreadsheets, internet, and email to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented. Leadership development provided through FBLA, DECA, and/or FCCLA. **(Required to graduate)**

MARKETING EDUCATION

PATHWAY DESCRIPTION: A program that generally prepares individuals to undertake and manage the process of developing consumer audiences and moving products from producers to consumers. Includes instruction in buyer behavior and dynamics, principle of marketing research, demand analysis, cost-volume and profit relationships, pricing theory, marketing campaign and strategic planning, market segments, advertising methods, sales operations and management, consumer relations, retailing, and applications to specific products and markets.

-Complete any (3) THREE CREDITS from the following to test CTE EOP, complete (4) Four Credits to be a Career Major Completer of transition ready. (Credits must include Principles of Marketing & Advanced Marketing to test CTE EOP):

- 060112 Digital Literacy (Graduation Requirement)*
- 080716 Principles of Marketing*
- 080717 Advanced Marketing
- 080310 Entrepreneurship* (This course will be offered every other academic year)
- 081121 Sports & Event Marketing (This course will be offered every other academic year)
- 080911 Travel & Tourism Marketing
- 060122 Accounting & Finance Foundations* (This course will be offered every other academic Year)

**These courses also count in the Entrepreneurship/Business Pathway*

Principles of Marketing - 1 Credit (080716)

Grade Level: 9 - 12

This course provides a basic foundation for further study in marketing. Students study economic functions at work in the marketplace, marketing functions including selling, promotion, product development, and distribution functions. Decision-making and problem-solving skills are involved in units of customer service, economics, market research, and product/service planning and the use of technology in marketing. Students will apply the marketing principles that they have learned by opening a business through the Virtual Business Simulation program. Both general marketing and employment skills learned will improve and increase the chance of successful transition into the world of work. Leadership development will be provided through DECA activities and competitive events. **(Elective)**

FAMILY AND CONSUMER SCIENCES EDUCATION

PATHWAY DESCRIPTION: The Consumer and Family Management pathway helps students develop skills associated with early career employment opportunities and rigorous education programs that prepare for this level of the career ladder. The knowledge and skills validated span across a broad range of Family and Consumer Sciences content areas and are central to career areas involving human services, consumer services/protection/advising, education and training as well as social and community services.

Complete (3) THREE CREDITS from the following to test CTE EOP, Complete (4) Four Credits to be a Career Major Completer or transition ready:

- 200113 FACS Essentials
- 201010 Money Skills (This course will be offered every other academic year)
- 200171 Relationships (1/2 Credit)(This course will be offered year other academic year)
- 200173 Parenting (1/2 Credit)(This course will be offered every other academic year)
- 200441 Foods & Nutrition

FACS Essentials - 1 Credit (200113)

Grade Level: 9 & 10

This course includes core competencies in all five areas of homemaking including foods, human development, housing and home furnishings; management and family economics; and clothing textiles. It also provides the opportunity for pupils to decide future areas for concentrated study, including special interest courses and gainful home economics training. **(Elective)**

HOSPITALITY AND TOURISM

PATHWAY DESCRIPTION: The Hospitality, Travel, Tourism & Recreation career pathway prepares individuals to provide services in the hospitality and leisure fields. Includes instruction in hospitality operations, customer sales, marketing techniques, and assistance operations and techniques, basic office management, retail sports, recreation equipment and food and beverage services.

Complete (3) THREE CREDITS from the following to test CTE EOP, Complete (4) Four Credits to be a Career Major Completer or transition ready:

- 080310 Entrepreneurship
- 080716 Principles of Marketing
- 080911 Travel & Tourism Marketing
- 080717 Advanced Marketing
- 200113 FACS Essentials OR 200441 Foods & Nutrition

FACS Essentials - 1 Credit (200113)

Grade Level: 9 & 10

This course includes core competencies in all five areas of homemaking including foods, human development, housing and home furnishings; management and family economics; and clothing textiles. It also provides the opportunity for pupils to decide future areas for concentrated study, including special interest courses and gainful home economics training. **(Elective)**

Principles of Marketing - 1 Credit (080716)

Grade Level: 9 - 12

This course provides a basic foundation for further study in marketing. Students study economic functions at work in the marketplace, marketing functions including selling, promotion, product development, and distribution functions. Decision-making and problem-solving skills are involved in units of customer service, economics, market research, and product/service planning and the use of technology in marketing. Students will apply the marketing principles that they have learned by opening a business through the Virtual Business Simulation program. Both general marketing and employment skills learned will improve and increase the chance of successful transition into the world of work. Leadership development will be provided through DECA activities and competitive events. **(Elective)**

**AREA TECHNOLOGY CENTER PROGRAMS [Pulaski County ATC]
(Two Class Periods, 2 Credits)**

Health Sciences (Grades 10-12)

Welding (Grades 10-12)

Carpentry (Grades 10-12)

Industrial Maintenance (10-12)

Automotive Technology (Grades 10-12)

Gas and Pipeline Technology (Grades 10-12)

**ALL ELECTIVES DEPEND ON STUDENT
ENROLLMENT AND STAFFING.**