

Somerset HIGH SCHOOL

COURSE DESCRIPTION AND REGISTRATION 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 (class of 2020-2022)

English - English I, English II, English III & English IV (4 Credits)

Math - Algebra I, Geometry, Algebra II & 4th year math (4 credits)

Science – Physical Science, Biology, & Environmental Science, Chemistry or Physics (3 credits)

Social Studies – World Civilization, Integrated Social Studies & US History (3 credits)

Health – (1/2 credit)

Physical Education – (1/2 credit)

Digital Literacy – (1 credit)

Humanities – (1 credit)

Electives – (8 credits)

Minimum Credit Requirements for Graduation: 25

To be promoted from one grade to the next grade level, students must meet the following credit requirements:

To 10th grade—6 credits

To 11th grade—12 credits

To 12th grade—18 credits

NOTE: All students must complete an Individual Learning Plan (ILP) and participate in the state mandated testing as a graduation requirement. All parents have access to their student's ILP through www.CareerCruising.com. 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.

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

DIPLOMAS OFFERED AT SOMERSET HIGH SCHOOL

Scholar Diploma (28 credits minimum)

- 4 English credits
 - English I
 - English II
 - English III or AP English Language
 - English IV or AP English Literature
- 4 Math credits
 - Algebra I or Accelerated Algebra I
 - Geometry or Accelerated Geometry
 - Algebra II or Accelerated Algebra II
 - One additional math course
- 4 Science credits
 - Physical Science
 - Biology or Accelerated Biology or AP Biology
 - Chemistry or Physics
 - One additional science course/elective
- 3 Social Studies credits
 - World Civilization or AP World History
 - Integrated Social Studies
 - U.S. History or AP US History
- 1 Humanities credit
- 1 Digital Literacy
- ½ Health credit
- ½ Physical Education credit
- 2 Foreign Language credits in the same language
- **At least 4** Advanced Placement (AP) courses (may be any AP course that is among course offerings at Somerset High School) **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 the Benchmarks on ACT**

Comprehensive Diploma (26 credits minimum)

- 4 English credits
 - English I
 - English II
 - English III or AP English Language
 - English IV or AP English Literature
- 4 Math credits
 - Algebra I or Accelerated Algebra I
 - Geometry or Accelerated Geometry
 - Algebra II or Accelerated Algebra II
 - One additional math course
- 3 Science credits
 - Physical Science
 - Biology, Accelerated Biology or AP Biology
 - Chemistry or AP Physics
- 3 Social Studies credits
 - World Civilization or AP World History
 - Integrated Social Studies
 - U.S. History or AP U.S History
- 1 Humanities credit
- 1 Digital Literacy
- ½ Health credit
- ½ Physical Education credit
- 2 Foreign Language credits in the same language
- 7 elective credits
- **Must meet the Benchmarks on ACT**

Standard Diploma (25 credits minimum)

- 4 English credits
 - English I
 - English II
 - English III or AP English Language
 - English IV or AP English Literature
- 4 Math credits
 - Algebra I or Accelerated Algebra I
 - Geometry or Accelerated Geometry
 - Algebra II or Accelerated Algebra II
 - One additional math course
- 3 Science credits
 - Physical Science
 - Biology or Accelerated Biology or AP Biology
 - Environmental Science or Chemistry or AP Physics
- 3 Social Studies credits
 - World Civilization or AP World History
 - Integrated Social Studies
 - U.S. History or AP US History
- 1 Humanities credit
- 1 Practical Living/Vocational Studies credit (Digital Literacy)
- ½ Health credit
- ½ Physical Education credit
- 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 AND a 75 on a constructed response/performance-based scenario. The one exception is the Manufacturing assessment, where the student has an overall score of 70% rather than a two-part score. 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 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 may 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

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) 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**LANGUAGE ARTS**

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

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

English 1 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)**

Accelerated English 2- 1 credit (230110A)**Grade Level: 9**

Prerequisite: English 1. English 2 continues the refinement of student's skills in language arts. Student 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. A student will receive credit for English 2 or Accelerated English 2, but not both. **(Required)**

English 2 - 1 credit (230110)**Grade Level: 9-10**

Pre-requisite: English 1. English 2 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. **(Required)**

English 3 - 1 credit (230113)**Grade Level: 11**

Pre-requisite: English 1 & 2. English 3 continues to develop student's competencies in language arts skills. Content includes instruction in oral and written composition; study skills and reference and research techniques; and the historical, cultural, and aesthetic significance of American literature. Continuing to practice the steps in the writing process, students write for a variety of purposes (e.g., to express thought and feeling, to persuade) and a variety of audiences (e.g., self, and others). As in English 1 and 2, mechanics and usage are taught within the context of student's compositions. **(Required)**

English 4 - 1 credit (230116)**Grade Level: 12**

Pre-requisite: English 1, 2 & 3. English 4 offers continued refinement of pupils' abilities in language arts skills. Content includes appropriate experiences in oral and written composition and the historical, cultural, and aesthetic significance of English and/or world literature. Continuing to write for a variety of purposes and audiences, students attain confidence in handling the stages of the writing process. Special attention to writing about literature is given in the pre-college curriculum. Language and mechanics concerns are dealt with in the context of student writing. **(Required)**

Advanced Placement English Language - 1 credit (230166)**Grade Level: 10-11**

Pre-requisite: A or B in English 2 and recommendation from English 2 teacher and teacher must sign student's registration worksheet to indicate recommendation. Advanced Placement English is a college-level English class which often takes more time, requires more work, and gives greater opportunity for individual accomplishment than a regular high school English class. If student scores a 3+ on the exam, a student may receive college credit for this course. **(May fulfill requirement for English 3.)**

Advanced Placement English Literature – 1 credit (230167)**Grade Level: 11-12**

Prerequisites: A or B in English 3 and recommendation from English 3 teacher and teacher must sign student's registration worksheet to indicate recommendation. Advanced Placement English is a college-level English class which often takes more time, requires more work, and gives greater opportunity for individual accomplishment than a regular high school English class. If student scores a 3+ on the exam, a student may receive college credit for this course. **(May fulfill requirement for English 4.)**

Creative Writing - ½-1 credit (230511)**Grade Level: 11-12**

This course covers a group of topics that describe the techniques of composition of such forms of literature as the short story, verse, drama, and others that involve some degree of spontaneity and exercise of the imagination on the part of the writer. **(Elective, but may fulfill English credit for 4th year for students on Accelerated English path.)**

Public Speaking and Debate – ½-1 credit (231011)**Grade Level: 11-12**

This course incorporates strategies to improve competence in speaking and listening and the application of forms of argument to test ideas or reach decisions. Special Topics may include: extemporaneous, demonstrative, persuasive, informative oral communication; videotape; speech writing and delivery. **(Elective, but may fulfill English credit for 4th year for students on Accelerated English path.)**

MATH

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

Algebra I – 1 credit (270304)

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. **(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)**

If a student earns an “A” in Algebra I, they may double-up the following year taking Geometry and Algebra II.

Incoming 8th graders wishing to take Accelerated Geometry MUST have and an “A” or “B” in Algebra I in 8th grade. 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, but NOT both. **(Required)**

Geometry - 1 credit (270401)

Grade Level: 10

Prerequisite: Algebra I. Emphasis is placed on discovery, proof, and realistic applications of geometric relationships and principles. Topics include inductive and deductive reasoning, points, lines, planes, relationships in triangles, quadrilateral relationships, congruence and similarity, area and perimeter, regular polygons, circles, surface area, and volume. **(Required)**

Algebra II - 1 credit (270311)**Grade Level: 10 - 12**

Prerequisite: Algebra 1 and Geometry. This course is designed for the college-bound student who has a high degree of proficiency in abstract mathematical ideas. Topics include: functions, graphs of quadratic functions, complex number system, data analysis, probability & statistics, systems of equations, and sequences & series, exponential & logarithmic functions, and introductory work in conic sections. **(Required)**

Accelerated Algebra 2 - 1 credit (270311A)**Grade Level: 10 -11**

Prerequisite: Algebra 1/Acc. Algebra I and Geometry/Acc. Geometry. This course is designed so the students develop the relevant skills and concepts from the High School Mathematics Program of Studies beyond the Algebra 1 course and then builds on those in a rigorous manner. This Algebra 2 course is designed to prepare students for more advance mathematics classes. The intention of this course is to be taught at an accelerated pace. Content: Algebra II. A student will receive credit for Accelerated Algebra 2 or Algebra 2, but NOT both. **(Required)**

Pre-Calculus DC - 1 credit (270501DC)**Grade Level: 11 - 12**

Prerequisite: Algebra II and ACT Math score of 22 or higher, which must be met prior to enrolling in this course. This course is intended to give students the opportunity to take Pre-Calculus and receive college credit for College Algebra and Trigonometry (MAT 150 fall semester and MAT 155 spring semester). Students may be expected to pay for tuition, books, and other fees associated with the class once dual credit scholarship through KHEAA has been utilized. **(Elective, but may fulfill 3rd required Math credit for students on accelerated path.)**

Advanced Placement Calculus - 1 credit (270513)**Grade Level: 12**

Prerequisite: Pre-Calculus. This course follows the curriculum established by the College Board and prepares students to take Advanced Placement examinations in Calculus AB. If student scores a 3+ on the exam, a student may receive college credit for this course. **(Elective, but may fulfill 4th required Math credit for students on accelerated path.)**

Advanced Placement Statistics - 1 credit (270604)**Grade Level: 10 - 12**

Topics for this course include: *exploratory data analysis, data collection, probability, and statistical inference*. Appropriate use of graphing calculators will be integrated throughout the course. Students planning to major in any of the following: *science-related fields (biology or chemistry), education, engineering, business/economics (management, finance, marketing, and accounting), health care related fields (nursing/medicine), social work, computer science, psychology or liberal arts* are strongly encouraged to take this course prior to college. . If student scores a 3+ on the exam, a student may receive college credit for this course. **NOTE:** Students planning to take AP Psychology are encouraged to take AP Statistics prior to or along with that course. If student scores a 3+ on the exam, a student may receive college credit for this course. **(Elective, but may fulfill 3rd or 4th required Math credit for students on accelerated path.)**

Advanced Topics- 1/2 – 1 credit (270621)**Grade Level: 11-12**

This course is designed for students who have completed Algebra 1, Geometry and Algebra 2 and who have met math benchmark, but do not want to take dual credit. Content should allow students to pursue topics in mathematics beyond content required for high school students. This course may cover topics from combined higher level courses or topics which are not found in other higher level courses but are of interest to students for college and career readiness.

(Elective, may fulfill 3rd or 4th math credit)

Technical Alg & Trig/ Liberal Arts Math (270621DC) 1/2 - 1 credit**Grade Level: 11-12**

This course is designed for students who have completed Algebra 1, Geometry and Algebra 2. This course is intended to give students the opportunity to receive college credit for Technical Algebra and Trigonometry and Liberal Arts Math (MAT 126 fall semester and MAT 141 spring semester). Successful completion of both courses with a “C” or higher, is the equivalent of meeting KDE math college ready requirement. Students may be expected to pay for tuition, books and other fees associated with the class once dual credit scholarship through KHEAA has been utilized. **(Elective, may fulfill 3rd or 4th math credit)**

Mathematics Concepts – 1/2 -1 credit (270661)**Grade Level: 12**

Pre-requisite: Algebra 1, Geometry and Algebra 2. This course is designed to be taken after completion of first three math requirements. Topics include probability and statistics, extension of algebra and geometry concepts. **(May fulfill 4th required Math credit for students.**

Required for seniors who have not met the ACT math benchmark and do not want to take dual credit.)

Advanced Placement Computer Science Principles – 1 credit (110711)**Grade Level: 11-12**

Pre-requisite: Algebra II. AP Computer Science Principles is supported by College Board through a national exam for students and AP Summer Institutes for teachers. AP Computer Science Principles is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing changes the world. The course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of the field. Through both its content and pedagogy, this course aims to appeal to a broad audience. If student scores a 3+ on the exam, a student may receive college credit for this course. **(Elective, but may fulfill 4th required Math credit for students on accelerated path.)**

SCIENCE

3 science courses are required at SHS.

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)**

Students who take Physical Science in 8th grade and earn an “A” or “B” may elect to take Accelerated Biology their freshman year. The 8th grade final grade will count for high school credit on their transcript and 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)**

Biology - 1 credit (302601)

Grade Level: 9 or 10

Pre-requisite: Physical Science. This course is designed to give students a background in the key areas of biology. It is based on an understanding of life on a cellular level and proceeding to more complex life forms from unicellular ones. The approach students develop is one that each organism is a "whole" with systems functioning together to support the organism. Students develop their scientific skills with library and laboratory investigations. The different areas of study covered in Biology are the structure of the cell, classification of life, the plant kingdom and its phyla, the animal kingdom and its phyla, population, community, and ecosystems, human genetics, natural selection, Protista, algae, microbes, and fungi. **(Required)**

Environmental Science - 1 credit (304620)

Grade Level: 11

Pre-requisite: Physical Science and Biology. This course addresses topics of environmental interest/impact such as water pollution, conservation, forestry and air pollution. **(May fill 3rd Science Requirement)**

Students on the Pre-college track may take either Chemistry, Accelerated Chemistry or AP Physics.

Chemistry - 1 credit (304521)

Grade Level: 10 - 12

Prerequisite: Algebra I/Acc. Algebra I and Biology/Acc. Biology. This is a college-preparatory course covering the basic topics of chemistry. These include atomic theory, quantum theory, formula and equation writing, the gas laws, and acid-base concepts. The mathematical relationships in these areas are emphasized and laboratory work is used to demonstrate the material covered. **(Can fill third Science Requirement)**

Accelerated Chemistry- 1 credit (304521A)

Grade Level: 10-11

Prerequisite: A or B in Biology or Accelerated Biology. This is a college preparatory course covering the basic topics of chemistry. These include atomic theory, quantum theory, formula and equation writing, the gas laws and acid-base concepts. The mathematical relationships in these areas are emphasized and laboratory work is used to demonstrate the material covered. This course allows students to attain all the concepts contained in the description for Chemistry with the opportunity provided for students to progress ahead of the non-honors course. A student will receive credit for Accelerated Chemistry or Chemistry, by NOT both. **(Can fill third Science Requirement)**

Advanced Placement Physics – 1 credit (304828)

Grade Level: 11- 12

Prerequisite: A or B in Physical Science and recommendation from science teacher and teacher must sign student's registration worksheet to indicate recommendation. This Advanced Placement (AP) course is the equivalent of a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will introduce electric circuits. If student scores a 3+ on the exam, a student may receive college credit for this course. **(Can fill third Science Requirement)**

Anatomy - 1 Credit (302631)

Grade Level: 11 & 12

Prerequisite: Must have completed Chemistry or be enrolled in chemistry.
This course will help the student to further develop the basic understanding of the human body and its structures and functions. The course will have both lecture and lab experience. It is a class for those who intend to further study in health fields. **(Elective, but may fulfill 3rd science credit taken at SHS for students on accelerated path.)**

Advanced Placement Biology - 1 Credit (302646)**Grade Level: 10- 12**

Pre-requisite: A or B in Biology or Physical Science and recommendation from science teacher and teacher must sign student's registration worksheet to indicate recommendation. The Advanced Placement Biology in secondary schools should seek to meet the objectives of the general biology course for the college level. This course should help a student understand the means by which biological information is collected, interpreted and how one formulates hypotheses from available data. If student scores a 3+ on the exam, a student may receive college credit for this course. **(Elective, but may fulfill 3rd science credit taken at SHS for students on accelerated path.)**

Advanced Placement Chemistry – 1 Credit (304526)**Grade Level: 11 & 12**

Pre-requisites: A or B in Chemistry and Algebra II and recommendation from science teacher and teacher must sign student's registration worksheet to indicate recommendation. AP Chemistry is the equivalent to a general Chemistry course usually taken in the first year of college. It is designed to comply with College Board recommendations to prepare students for an AP Exam in Chemistry. If student scores a 3+ on the exam, a student may receive college credit for this course. **(Elective, but may fulfill 3rd science credit taken at SHS for students on accelerated path.)**

Microbiology- 1/2 credit (302613)**Grade Level: 10-12**

Prerequisite: Biology. This course focuses on the study of microbiological techniques, viruses, fungi, protozoans, bacteria, and pathogenic organisms. **(Elective, but may fulfill 3rd science credit taken at SHS for students on accelerated path.)**

Forensics – 1/2 credit (302616)**Grade Level: 10 - 12**

Prerequisite: Biology. This course serves as an overview of the principles, procedures, and concepts of forensic and investigative sciences, students will receive instruction in the definitions, scope, and use of tools, techniques and protocols in forensic applications used to resolve social, regulatory, and legal disputes as well as learn about the variety of careers in forensics. Laboratory portion of the course will cover collecting evidence (including photography), processing a crime scene and crime scene reconstruction, fingerprints, death and decomposition, ballistics, injury types vs. causes, blood splatter analysis, trace evidence analysis (hair, fiber, tool marks), DNA analysis, and anthropology. **(Elective, but may fulfill 3rd science credit taken at SHS for students on accelerated path.)**

SOCIAL STUDIES

3 social studies courses are required

World History – 1 credit (450835)

Grade Level: 10

World History is a survey of the history of the world focusing on cultural and political aspects; ancient and modern history; the study of western and non-western civilizations; and current events. **(Required)**

Advanced Placement World History – 1 credit (450876)

Grade Level: 11-12

Pre-requisite: A or B in previous social studies class and recommendation from social studies teacher and teacher must sign student's registration worksheet to indicate recommendation. Students must have successfully completed World History with an A or B. Advanced Placement World History is a survey of the history of the world focusing on cultural and political aspects; ancient and modern history; the study of western and non-western civilizations; and current events. College credit earned with successful completion of the AP exam. **(May fulfill World History requirement or as an elective.)**

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)**

United States History - 1 credit (450812)

Grade Level: 11

Prerequisites: World Civilization and Integrated Social Studies. The United States History course serves as a capstone to the study of America's history in grades 5 and 8. After a brief review, the focus is on the Reconstruction period to the present, looking at the forces that shaped and continue to shape political, economic, and social institutions and the impact of those forces on the development of the United States in the twentieth century. The course may be taught chronologically, topically, and/or conceptually/thematically. **(Required)**

Advanced Placement U.S. History/ Dual Credit - 1 credit (450814)

Grade Level: 11

Prerequisites: A or B in Integrated Social Studies and recommendation from social studies teacher and teacher must sign student's registration worksheet to indicate recommendation. This course is a survey study equivalent to the demands of a college level course in United States history. Emphasis is on the period from the colonial period to the present; in-depth consideration by means of a chronological or topical approach or a combination of the two; and political, social, economic, and cultural treatment of the period. The students will evaluate historical materials to weigh the evidence and interpretations presented by historical research. If student scores a 3+ on the exam, a student may receive college credit for this course. **(May fulfill US History requirement or is an elective.)**

Advanced Placement Psychology- 1 credit (459902)**Grade Level: 10-12**

Pre-requisite: A or B in previous social studies class and recommendation from social studies teacher and teacher must sign student's registration worksheet to indicate recommendation. Must have completed and/or be currently enrolled in AP Statistics. 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 may earned upon successful completion of AP exam. **(Elective)**

Law and Justice - 1/2 credit (451039)**Grade Level: 10-12**

This course covers the civil, criminal; constitutional and international laws and the legal and justice system. Students will examine the need for rules and regulations; interpretations of the Constitution, both state and federal; Supreme Court decisions, the Bill of Rights, and individual rights law, criminal laws, family law, and consumer law. **(Elective)**

Economics - 1/2 credit (450601)**Grade Level: 10-12**

The study of how society satisfies our wants and needs with limited resources. Topics include the role of government in stabilizing the economy; how households, business, and government interact, and how our government is financed. **(Elective)**

Kentucky Studies – 1/2 credit (450875)**Grade Level: 9-12**

The Kentucky Studies elective course brings together various elements of Kentucky Studies stressed in the earlier grades. The course focuses on the historical and cultural forces that have influenced the people and the institutions of the Commonwealth. The Kentucky Studies elective should give equal chronological coverage to Kentucky before and after the Civil War. It should stress the role of geography in the state's development and the importance of the regional variations across Kentucky. Topics of study may be the arts, civil rights, communications, education, environment, labor history, religions, the sciences and transportation. **(Elective)**

Global Issues – ½ credit (451038)**Grades 9-12**

Global Issues is the study of persistent issues related to social, political, and economic facets of human behavior. This is an opportunity for the mature pupil to the concepts, skills, and tools of the social scientist and the humanist in some decision-making and problem-international concern. It would also be possible for the teacher to utilize this course to involve the students in some direct manner with community issues and problems. **(Elective)**

HEALTH AND PHYSICAL EDUCATION
½ credit of each is required for graduation

Health Education - 1/2 credit (340133F for females and 340133M for males) 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 (340133F for females and 340133M for males) 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)**

Advanced Physical Education II – 1/2 or 1 credit per year (340219) Grade Level: 10 - 12

Prerequisite: PE1. This course is designed to be an extension of Physical Education I to provide students with the advanced skills, knowledge, attitude, and confidence to be active for a lifetime. This class is co-educational. **(Elective. May be taken multiple years.)**

Weights - 1/2 or 1 credit per year (340219F- football, 340219B-basketball, 340219G- girls) Grade Level: 10 - 12

This course is designed to be an extension of Physical Education I to provide students with the advanced skills, knowledge, attitude, and confidence to be active for a lifetime. 340219F will be held on the campus of Meece Middle in the field house; 340219B & G will be held at SHS. **(Elective. May be taken multiple years.)**

Conditioning Principles–1/2 or 1 credit per year (340214) Grade Level: 10 – 12 for Females

This course emphasizes improvement in flexibility, strength, and endurance. Weight training fundamentals are included with safety highlighted throughout the course. Periodic assessments are made so students can see progress. **(Elective. May be taken multiple years.)**

FOREIGN LANGUAGE

2 years of foreign language is required for College Preparatory or Scholar Diploma

Spanish I - 1 credit (161108)

Grade Level: 10 - 11

Spanish I concentrates on an aural-oral approach, stressing performance and habit-forming practices using real Spanish sentences. The aim is to build good pronunciation habits and acquire some basic speaking and writing knowledge of the language. **(Elective, required for Pre-College curriculum.)**

Spanish II - 1 credit (161109)

Grade Level: 10 - 12

Spanish II helps the student maintain and develop oral competence, stresses the development of reading skills, begins the study of formal grammar, and develops writing skills and cultural awareness. **(Elective, required for Pre-College curriculum.)**

English as a Second Language I -1 credit (160121)

Grades 9-12

Introductory course to English as a second language for the student of limited English proficiency. Course focuses on the development of the four basic communication skills of listening, speaking, reading, and writing in English. Placement through English language proficiency assessment and evaluation by the counselor and ESL specialist.

English as a Second Language II – 1 credit (160122)

Grades 9-12

Prerequisite: 160121 or placement through English language proficiency assessment and evaluation by counselor and ESL specialist. This course continues the study of English begun in 160121. Academic content is learned through the English language, as the four basic communication skills of listening, speaking, reading, and writing in English are developed.

HUMANITIES

1 credit is required for graduation

Humanities - 1 credit (500111)

Grade Level: 10 - 12

History and Appreciation of Visual and Performing Arts focusing on the four artistic areas of music, art, drama and dance. **(Required)**

Introduction to Music- ½ credit (500929)**Grade Level: 10-12**

Introduces the elements of music as they apply to the listening experience. Emphasizes the development of an awareness and understanding of musical styles from the Middle Ages to the present. Designed for the non-music major with no prior knowledge of music and is not intended to fulfill a program course requirement for music majors. Dual credit available through SCC for MUS 100. Students must complete application and meet ACT benchmark requirements to qualify for the class (Reading score 20+). **(Dual credit. Can meet Humanities requirement with art/drama semester)**

FINE ARTS

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

Students are introduced to the basic fundamentals of artistic expression. The course includes experiences in drawing, painting, two and three dimensional design, sculpture, and other art forms. **(Elective)**

Advanced Visualized Art – 1/2 – 1 credit per year (500711)**Grade Level: 10-12**

Prerequisite: Visual Art I This course provides in-depth instruction in a combination of at least three areas selected from design, drawing, painting, print making, sculpture, ceramics, textile design, photography, film, video, computer graphics, and commercial art. **(Elective, may be taken multiple years)**

Band – 1/2 - 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)**Grade Level: 9-12**

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 singers, 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
CIVIL ENGINEERING

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

- 210221 Engineering I
- 210222 Engineering II
- 210223 Civil Engineering
- 210110 Engineering Capstone

Engineering I- 1 credit (210221)**Grade Level: 9 - 12**

Engineering I is a high school level foundation course in the Engineering Program. Students are introduced to the engineering profession and a common approach to the solution of engineering problems and engineering design process. Students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Through both individual and collaborative team activities, projects and problems, students will solve problems as they practice common engineering design and development protocols such as project management and peer review. Students will develop skill in technical representation and documentation of design solutions according to accepted technical standards and they will use current 3D design and modeling software to represent and communicate solutions. In addition, the development of computational methods that are commonly used in engineering problem solving, including statistical analysis and mathematical modeling are emphasized. Ethical issues related to professional practice and product development are also presented. **(Elective)**

Engineering II – 1 credit (210222)**Grade Level: 10 – 12**

Pre-requisite: Engineering I. Engineering II is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science and technology. Students have the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APB) learning. By solving rigorous and relevant design problems using engineering and science concepts within a collaborative learning environment, APB learning challenges students to continually hone their interpersonal skills, creative abilities and problem solving skills. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.

(Elective)**Civil Engineering – 1 credit (210223)****Grade Level: 11-12**

Pre-requisite: Engineering 2. Civil Engineering is a high school level specialization course in the Engineering Program. Students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software, REVIT. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication and other professional skills. Through both individual and collaborative team activities, projects, and problems, students will solve problems as they practice common design and development protocols such as project management and peer review. Students will develop skill in engineering calculations, technical representation and documentation of design solutions according to accepted technical standards, and use of current 3D architectural design and modeling software to represent and communicate solutions. **(Elective)**

Students will be required to take the industry certification test on the REVIT software at the completion of the Civil Engineering course.

Engineering Design and Development - 1 credit (219906)**Grade Level: 12**

Pre-requisite: Civil Engineering. Engineering Design and Development is the capstone course in the high school engineering program. It is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. Students will perform research to select, define and justify a problem. After carefully defining the design requirements and creating multiple solution approaches, teams of students select an approach, create and test their solution prototype. Student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities and their understanding of the design process. Engineering Design and Development is a high school level course that is appropriate for 12th grade students. Since the projects on which students work can vary with student interest and the curriculum focuses on the problem solving. EDD is appropriate for students who are interested in any technical career path. EDD should be taken as the final capstone course since it requires application of the knowledge and skills introduced during the Engineering foundation courses. **(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 (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 additional pathways*

Digital 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)**

Accounting & Finance Foundations - 1 Credit (060122)**Grade Level: 10 - 12**

This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Leadership development will be provided through FBLA. **(Elective) To be OFFERED 2019-2020**

Entrepreneurship (080310)**Grades 11-12**

This course is designed to provide students the skills needed to effectively organize, develop, create and manage their own business. This course is based on improving communication skills and understanding economics, financial analysis, operations, promotion and selling. The culminating project of the course is the development of a comprehensive business plan. Leadership development provided through FBLA, DECA and/or FCCLA. **(Elective)**

Business Management -1 credit (060411)**Grade Level: 11 - 12**

This course emphasizes the skills needed for managing a business that involves the selection and supervision of employees including efficient use of time, personnel, facilities, and financial resources. Leadership development will be provided through FBLA. **(Elective) To Be OFFERED 2020-2021**

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 (Credits must include Principles of Marketing & Advanced Marketing to test KOSSA):

- 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
- 080911 Travel & Tourism Marketing
- 060122 Accounting & Finance Foundations* (This course will be offered every other academic year)

**These courses also count in additional pathways*

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. 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)**

Sports and Event Marketing - 1 Credit (081121)**Grade Level: 10 - 12**

Pre-requisite: Principles of Marketing. This course is designed to develop a thorough understanding of the marketing concepts and theories that apply to sports and events. This course is based on the business and marketing core that includes communication skills, distribution, marketing-information management, pricing, product/service management, promotion, selling, operations, strategic management, human resource management, and the economic impact and considerations involved in the sports and event marketing industries. Leadership development will be provided through DECA and competitive events. **(Elective)**

Travel and Tourism Marketing - 1 Credit (080911)**Grade Level: 10 - 12**

Pre-requisite: Principles of Marketing. This course introduces the student to the travel and tourism industry. This course is based on the Business and Marketing Core that includes communication skills, economics, human resource management, promotion, marketing-information management, and selling. Instruction includes domestic and international travel, sales techniques, transportation methods (road, water, air, and rail), food and beverage marketing, and destination marketing. Students will apply their knowledge of the content through a Virtual Restaurant Simulation. Leadership development will be provided through DECA and competitive events. **(Elective)**

Advanced Marketing– 1 Credit (080717)**Grade Level: 12**

Pre-requisite: Principles of Marketing. This course is a project based course designed to enhance marketing skills developed in the marketing prerequisite courses and to learn advanced marketing skills in such areas as advertising, customer service, management/supervision, and employee/employer relations for a wide range of marketing careers. This course is based on business and marketing cores that include communication skills, emotional intelligence, economics, marketing, operations, promotion, marketing-information management, and financial analysis. Students will also be given the opportunity to take the Marketing Skills Standard Assessment which could allow them the opportunity to earn college credit in the future and also to obtain a higher paying entry-level job. Leadership development will be provided through DECA activities and competitive events. **(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*
- *These courses also count in additional pathways*

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)**

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:

- 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 every 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)**

Money Skills – 1 Credit (201010)

Grade Level: 10-12

Pre-requisite: FACS Essentials. This course is designed to prepare students to understand and use sound financial management skills and practices contributing to financial stability, improving the quality of life for individuals and families. Decision-making, problem solving, goal setting and using technology are integrated throughout the content. Leadership development will be provided through the Family, Career and Community Leaders of America. **(Elective)**

To Be OFFERED 2020-2021

Relationships – ½ Credit (200171)

Grade Level: 10-12

Pre-requisite: FACS Essentials. This course assists students to develop self-understanding, understand others better, improve interpersonal skills both within and outside the family, be more considerate of other person's needs and property, and maintain mental and emotional wellness. Family Life education comprises a portion of this course, including dating and married relationships. Preparations for and the achievement of a successful marriage are emphasized. Leadership development will be provided through the Family, Career and Community Leaders of America. This course will match up with Parenting. **(Elective) To be OFFERED 2019-2020**

Parenting – ½ Credit (200173)**Grade Level 10-12**

Pre-requisite: FACS Essentials. This course is designed to aid students in developing parenting and care giving skills that can be applied in a variety of situations. Major topics include becoming an informed parent, understanding prenatal development, caring for the newborn, being an effective parent/caregiver, caring for the sick and elderly and exploring career opportunities in care giving. Leadership development will be provided through the Family, Career and Community Leaders of America. This course will match up with Relationships.

(Elective) To be OFFERED 2019-2020

Foods & Nutrition - 1 Credit (200441)**Grade Level: 10-12**

Pre-requisite: FACS Essentials. This course is designed to assist students in making critical decisions about food, which contributes to health and well-being. Laboratory instruction is included as an application process. Practical problems addressed relate to attitudes toward food, nutrition facts, special health concerns and diets, management of food resources, preparation skills and careers in nutrition and food service. Leadership development will be provided through the Family, Career and Community Leaders of America. **(Elective)**

OTHER ELECTIVES**Multimedia Publishing- 1 credit (060751)****Grade Level: 9-12**

This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents and projects. These documents include but are not limited to tri-fold brochures, manuscripts, reports, bi-fold programs, catalogs, newsletters, flyers, business forms, graphs, web pages, on-screen presentations and video productions. Equipment such as scanners, digital cameras, video cameras and color laser printers, may be utilized in creating documents. Formatting, editing, page layout, and design concepts are taught. Distribution ready publication standards are applied to all projects. Students will develop communication skills, problem-solving techniques, cooperative learning and interpersonal skills. Leadership development will be provided through FBLA and/or DECA.

070750 Microsoft Office Specialist (MOS/MCAS)**Grade Level: 11-12**

This course is an extension of Computer and Technology Applications, student will have the opportunity to increase their computer skills. Advanced functions and integration of Microsoft Word, Excel, Access and PowerPoint will be taught. Students will work toward MOS Certification in one more of these Microsoft areas. In addition, students will utilize Internet access to complete various projects. Leadership development will be provided through FBLA and/or DECA.

Yearbook Production – 1/2 or 1 credit per year (239141)**Grade Level: 10-12**

Prerequisite: Must have a “C” in most recent English class and recommendation from English teacher and teacher must sign student’s registration worksheet to indicate recommendation.

Media helps pupils understand the cultural, historical, and social impact of mass media and the artistic features unique to each media. Electronic media (radio & TV), printed media (newspapers, magazines), and film are viewed as forms of entertainment communication and education. Students apply the skills of writing, reading, thinking, speaking, listening, and observing to their study of various media. **(Elective, may be taken multiple years)**

Peer Mentoring - ½ Credit (906012) or 1 Credit (906010)**Grades 11 & 12**

Peer Mentoring is a course designed to help intellectually or cognitively disabled students have interaction with the non-handicapped population. The course includes assignments, which give an “average” teen the understanding of a handicapped student. Students must have prior approval by administration before registering for this credit.

Coop./WorkPlace Practicum – 1 to 2 Credits (909999)**Grade 12****Eligibility**

- A student MUST BE approved by the SHS Principal/designee.
- A student MUST complete a Coop. Application and obtain all required signatures
- A student must have a minimum of a 2.0 GPA
- A student must have no level II or level III disciplines during their junior or senior year
- A student MUST BE a senior who has earned 21credits at the end of their junior year and on track for graduation.
- A student must be able to provide documentation of a minimum of 10 work hours weekly.

******Students denied permission to participate in the Coop. program OR who do not meet any or all of the existing criteria may appeal to the Coop. committee.***

AREA TECHNOLOGY CENTER PROGRAMS

Students who gain a certificate or pass the CTE EOP at the ATC will be considered Career Ready at SHS. To be eligible to test for certificate or CTE EOP, a student must enroll at the ATC for 2 years.

(Two Class Periods, 2 Credits)

Health Sciences (Grades 10-12)

Industrial Maintenance (10-12)

Welding (Grades 10-12)

Automotive Technology (10-12)

Carpentry (Grades 10-12)

Gas and Pipeline Technology (10-12)

ALL ELECTIVES DEPEND ON STUDENT ENROLLMENT AND STAFFING.