

**SAXONY LUTHERAN HIGH SCHOOL**

**ACADEMIC HANDBOOK & COURSE CATALOG**

**2018-2019**

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## **Introduction**

One of the most common characteristics of successful people is their ability to see the future, their goals and dreams, and to figure out the steps to get them there. That is the nature of this booklet: to help you plan your steps for your future, to get you to where you want to go.

Included in this course catalog are graduation requirements. However, please know that most of the time, college entrance requirements are not the same as high school graduation requirements. You are encouraged you to work with the School Counselor to set up a program that will benefit you, in the short term and in the long term. As you build your schedule, keep the following in mind:

- 1. What do I plan to do after high school?*
- 2. What schools offer training or programs in my area of interest?*
- 3. What are the general entrance requirements for these programs or schools?*

Saxony Lutheran High School provides Christian training in basic skills and allows for opportunities to accommodate as many students as possible according to the gifts they have been given. This may include dual enrollment classes through a local university or inclusion in the career technical center program. Whatever your goals, discuss them with parents, teachers and others!

Enjoy the process and God's blessings to you for the 2018-2019 school year!

## **Academic Information**

### **Academic Planning**

Increasing college requirements make it imperative that students give very close attention to their high school course selections. Meeting just the basic high school graduation requirements does not necessarily ensure that a student will be accepted into every college or career program. You should check with the counselor and the colleges to be certain that you are adequately prepared.

The school counselor provides information and guidance through newsletters, emails, parent program and individual meetings. Ultimately, however, the responsibility for meeting all credit requirements is the student's. The counselor will help wherever possible, but you must know where you stand at all times.

### **NCAA Eligibility**

Students who may be interested in participating in NCAA athletics after high school should be aware of the academic requirements for playing at different levels. Students should consult the counselor by the end of sophomore year to develop a course plan to meet their goals.

### **Missouri A+ Scholarship**

Saxony Lutheran High School is a designated A+ school. Saxony students who meet a number of criteria may be eligible for scholarship aid for certain Missouri schools. A+ information is shared several times throughout the school year. Students interested in the A+ program can begin meeting requirements as soon as freshman year, and should start no later than junior year.

### Transfer Credits

Transfer credits from other schools will be placed on the Saxony Lutheran transcript using the grades earned to calculate GPA. If you have questions about how a course will be recorded, please speak with the School Counselor.

In some cases and by parent request, freshmen who begin at Saxony in Geometry or Spanish 2 may have course grades for Geometry or Spanish 1, respectively, included on the transcript. These grades will not be included in the GPA, nor can the credits be used to satisfy graduation requirements.

### Final Exams

Final exams shall be given in each class at the end of each semester. These finals will carry a weight of fifteen percent of the final semester grade in each class. Seniors who maintain an average of B or higher in any class second semester are exempt from taking that final. This exemption must be approved by the teacher, who has the final discretion of exemption status. This exemption is only for seniors during their second semester finals.

### Incompletes

In rare cases, usually involving a medical situation, a student may not be able to complete course requirements by the end of the semester. Students must speak with the counselor about receiving a grade of Incomplete for one or more courses. Upon administrative approval, the student, counselor and teacher(s) will create a plan for completing work and receiving course credit, typically within a time period of three weeks from the end of the semester. Making up the work will be the student's responsibility, however.

### Extracurricular Eligibility

In order to be eligible to compete in athletic or other extracurricular activities, a student must have achieved a grade point average of 2.0 the previous semester while earning at least 3 credits. Refer to the Student Handbook for more information on eligibility.

### Midterm Reports

Midterm reports for any student achieving below a C average in a class are posted to PlusPortals at the midpoint of each quarter to communicate areas needing improvement. Students and parents are strongly encouraged to contact the teacher and discuss ways to improve.

### Grading Scale

96-100%	A	86-88%	B	77-79%	C	68-70%	D
92-95%	A-	83-85%	B-	74-76%	C-	65-67%	D-
89-91%	B+	80-82%	C+	71-73%	D+	0-64%	F

### Grade Points

A	4.0	B	3.0	C	2.0	D	1.0
A-	3.67	B-	2.67	C-	1.67	D-	.67
B+	3.33	C+	2.33	D+	1.33	F	0

### Grade Point Average

A student's grade point average (GPA) is determined by adding all earned letter grade point values for semester grades and dividing this total by the number of credit units attempted. Normally, grade point average is computed to the nearest one-hundredth of a point. The GPA is updated twice a year (at the end of each semester) and is included on semester report cards and transcripts.

### Honor Roll

The Honor Roll is based on semester grades and is published at the end of each semester.

Honor Roll with High Distinction	GPA of 4.00
Honor Roll with Distinction	GPA of 3.75 to 3.99
Honor Roll	GPA of 3.50 to 3.74

### Ranking of Students

It is the policy of Saxony not to rank students by GPA or any other method. This policy is clearly stated in the school profile which is included with every transcript sent. A table of GPAs by group is also included on the profile.

### Graduation Honors

Beginning with the Class of 2017, Saxony will only designate class valedictorian(s). Beginning with the Class of 2020, valedictorian honors will be discontinued. Students are recognized at graduation based on their final high school GPA. Honor cords are presented to students who meet the following criteria.

Summa Cum Laude	GPA 3.75 – 4.00
Magna Cum Laude	GPA 3.50 – 3.74
Cum Laude	GPA 3.25 – 3.49

In addition, students with a final GPA of 3.00 to 3.24 will be recognized as honor graduates.

### Graduation Requirements

English	4 credits	Science	3 credits	Physical Education	1 credit	
Practical Arts	1 credit	Social Studies	3 credits	Health	.5 credit	
Math	3 credits	Fine Arts	1 credit	Electives	6.5 credits	
					<b>Total</b>	23 credits

In some areas, specific courses are required for graduation. See course listings for details. In addition to these credit totals, each student is required to be enrolled in a religion class every day while a student at Saxony. Each student is required to perform sixty clock hours of volunteer service. Please refer to the Theology section of this catalog for specific guidelines about this requirement.

The listed requirements are solely for graduation from Saxony Lutheran High School. Some colleges/universities may require additional course work for admittance. Each student should check with college admissions offices to verify their current standards.

### Early College Credit

Saxony students may earn college credit in high school through dual credit and dual enrollment programs. Information about these will be shared in newsletters, emails and presentations. Dual credit courses are taught at the college level and require college-level work from students. Students

are responsible for determining which courses to take for dual credit and how credits may transfer to universities.

Students may take a course offered for dual credit without earning university credit. The course will be the same in all aspects as that taken by students earning college credit.

### **Extended Course Offerings**

In some cases, students may wish to earn credits outside the regular school day, or to earn credits in classes not offered at Saxony. Distance learning courses are available in various subject areas. Courses may be used to fulfill graduation requirements, to earn Dual Credit, or to cover topics of interest to the student. Juniors and seniors may choose to use one period a day to complete such courses, and any student may use time outside the regular school day or in the summer to earn these credits. Students must receive approval from the Counselor before enrolling in such classes. These courses are included on Saxony transcripts but are not included in the student's GPA. More complete information is available from the School Counselor.

### **Saxony Online Courses**

Certain courses will be offered each semester as Saxony Online courses. These include the same curriculum as the classroom course, but are taught outside of the regular school day in an online format. These are intended for students who would like to earn more than seven credits in a school year. Students must be highly responsible and organized to be successful in an online class. Freshmen will not be allowed to take an online course in the first semester, so that they can be accustomed to the demands of high school academics and activities before adding something extra. Courses must have a minimum number of students enrolled to be offered.

At this time, courses offered online include Health, Personal Finance, Government, Anatomy and Computer Applications 1 – 3. Please see course descriptions listed above for details.

Students may continue to take online courses through other providers as approved by the School Counselor.

### **Summer School**

Saxony, as well as other area high schools, offers students the opportunity to earn credits through a summer school program. Saxony Summer School information will be shared with families early in the second semester. Students planning to enroll in summer courses at schools other than Saxony must have prior course approval from the school counselor in order to receive Saxony credit. Contact individual schools early in the spring for information on their course offerings and enrollment procedures.

### **Embedded Credits**

Some courses (including Agriculture Science and Career and Technology Center courses) include opportunities for students to earn embedded credit in areas such as mathematics, language arts and science. Embedded credits require students to complete assignments beyond those regularly required for the course, and students are asked to commit to earning this credit at the start of the semester. Embedded credits can be used to meet graduation requirements but are generally not acknowledged

by universities as meeting admission requirements. Embedded courses are recorded on the transcript with pass / fail status and grades are not used in GPA calculation.

### **Course Selection & Schedule Changes**

Each year, the Counselor meets with students individually and in classroom settings to assist in planning courses for the remaining years of high school. Course selection generally begins in February for the following school year and continues throughout the second semester. Students and families are encouraged to carefully select courses each year. Final course selections are mailed home with the second semester report card, and families may request changes for ten days after these are mailed.

Course changes after the start of the semester are strongly discouraged. Requests for changes after the fifth day of class are unlikely to be granted. Please plan ahead and choose carefully.

### **Course Prerequisites**

Many of the course descriptions that follow include prerequisites. Students may request an exemption from the prerequisite by speaking to the school counselor and the course instructor.

Some courses also list a recommended prerequisite. Students are encouraged to consider these carefully in making their course selections. While not meeting the recommendation is not a barrier to taking the course, students should be prepared for extra time and effort required to complete the class successfully.

### **Repeating Courses for Credit**

In most cases, once credit has been earned for a course, a student may not take the course again. Exceptions are made in the case of performance courses including Band or the Choirs, and in certain academic courses in which the content changes, such as Current Events or Modern Literature. Approval for repeating these courses will be granted on a case-by-case basis. For these classes, all grades will be on the transcript and all will be used in GPA calculation.

If a student fails an academic course, he or she may repeat the course. Grades for both courses will be recorded on the transcript, and both grades will be used in GPA calculation.

If a student takes a dual credit course but does not earn the college credit, she or he may repeat the course in order to earn the college credit. Counselor and teacher approval is required. In this case, both grades will be recorded on the transcript, but only the first grade earned will be used for GPA calculation.

There may be other situations in which it is in a student's best interest to repeat a course after earning credit for it. These cases require approval from the counselor or principal.

Each course can only be used once in meeting graduation requirements. American History, for example, can only satisfy one of the three required Social Studies credits, even if it is taken more than once.

### Sample Course Programs

The following are included to give students an idea of what courses might be taken each year. Please schedule an appointment with the Counselor for individual student planning.

#### Freshman Year

Theology  
Language Arts I  
Geography  
Physical Science  
Math  
Two Additional (Foreign Language, Fine Arts, Health & PE, Practical Arts)

#### Junior Year

Theology  
Language Arts III  
Science  
Math  
Three Additional (Social Studies, Language Arts, Foreign Language, Fine Arts, Health & PE, Practical Arts, Social Studies)

#### Sophomore Year

Theology  
Language Arts II  
American History  
Biology  
Math  
Two Additional (Foreign Language, Fine Arts, Health & PE, Practical Arts)

#### Senior Year

Theology  
Composition & Language Arts  
Five Additional (Math, Science, Social Studies, Language Arts, Foreign Language, Fine Arts, Health & PE, Practical Arts)

## COURSE LISTINGS

\*Course specifically required for graduation.

### *FINE ARTS*

#### *Musical Arts*

#### CONCERT CHOIR

YEAR

GRADES: 9-12

**PREREQUISITE:** None

This class is open to any student interested in choral music, especially those with an interest in participating in Chamber Choir. The study of musical terms and theory, vocal techniques, sight singing and performance skills will be emphasized through a variety of choral literature, most of which will be sacred in nature. Students will have the opportunity to participate in All-District Choir in the fall and All-District Contest in the spring. Required concert participation and occasional extra rehearsals will be included in the student's grade for the course.

#### CHAMBER CHOIR

YEAR

GRADES: 9-12

**PREREQUISITE:** Director Approval

This group is open to students interested in praising God through choral music. Based on audition, students who have shown the abilities and attitudes necessary to succeed in this advanced performance group will be accepted. The study of musical terms and theory, vocal techniques, sight singing and performance skills will be emphasized through a variety of choral literature, most of which will be sacred in nature. Students will have the opportunity to participate in All-District Choir

in the fall and All-District Contest in the spring. At the discretion of the administration and school choral instructor, Chamber Choir students will participate in a multi-day spring tour in odd-numbered years; in even-numbered springs, the Chamber Choir will perform at several of the local elementary schools. Required concert participation and occasional extra rehearsals will be included in the student's grade for the course.

**BAND**

**YEAR**

**GRADES: 9-12**

**PREREQUISITE: 2 years school band or director approval**

This class will give students the opportunity to play an instrument within a large group. Although most of the music we play is religious, there will be a few opportunities for students to be exposed to different types of musical styles, periods and genres. At the discretion of the administration and school band instructor, Band students will participate in a multi-day spring tour in even-numbered years; in odd-numbered springs, the Band will perform at several of the local elementary schools. Students must be willing to attend extra rehearsals and concerts outside of the regular school day.

**JAZZ BAND**

**YEAR**

**GRADES: 9-12**

**PREREQUISITE: Concurrent enrollment in Band or director approval**

Jazz Band will allow students to pursue jazz music through playing and listening. Students will learn a variety of styles through rhythmic, harmonic, and stylistic study. Extra performances and concerts may be required. Students from the Jazz Band will have opportunities to create a pep band for various events.

**ARTS APPRECIATION**

**YEAR**

**GRADES: 9-12**

**PREREQUISITE: None**

This class covers a broad spectrum of the humanities, including architecture, dance, music, opera, painting, photography, printmaking, sculpture, theatre and literature. The basic goal is to introduce students to the arts and help them understand more about them. This class will have several projects and students will need to be willing to attend events outside of the regular school day. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as MU182 for three credits.

**MUSIC THEORY**

**YEAR**

**GRADES: 10-12**

**PREREQUISITE: None; however, see course description**

A detailed study of the rudiments of music, including key signatures, scales, triads, seventh chords, diatonic harmony, basic rhythm skills, and critical listening to tonal harmony as practiced by composers of Western classical art music of the 17th – 19th centuries. Acquisition of skills to recognize and perform elementary rhythmic and melodic patterns; emphasis on triad and seventh chord identification. While there is no prerequisite, music literacy will be taught and applied throughout the course, making it more challenging for students with little music reading experience. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as MM101 for three credits.



*Visual Arts*

**FUNDAMENTALS OF ART**

**YEAR**

**GRADES: 9-12**

**PREREQUISITE: None**

Studio course for the beginning student. Introduction to basic techniques and exploration in a variety of media in drawing, painting, printmaking, pottery and sculpture. Study of elements and principles of design and perspective. Aesthetics, evaluation and critique of art introduced. Two field trips are required. Prerequisite for all advanced art courses. Course fee for materials.

**VISUAL ART APPRECIATION**

**YEAR**

**GRADES: 9-12**

**PREREQUISITE: None**

Visual Art Appreciation is an Art History class in which students learn about different historical movements and reinforce their learning through art projects that are inspired by the motivations of those movements. For each time period, students will analyze and critique artworks, discuss aesthetic issues, learn about the techniques, and how art is influenced by contemporary political and religious issues.

**DRAWING**

**SEMESTER**

**GRADES: 10-12**

**PREREQUISITE: Fundamentals of Art**

**Offered in the spring of even-numbered years**

Studio course for advanced study in drawing. Emphasis on development of creativity in the basic techniques of a variety of drawing media. Introduction of abstraction, modern art techniques and figure studies. Required field trip. Weekly sketchbook assignments. Course fee for materials.

**PAINTING**

**SEMESTER**

**GRADES: 10-12**

**PREREQUISITE: Fundamentals of Art**

**Offered in the spring of odd-numbered years**

Studio course for advanced study in painting and printmaking. Emphasis on development of creativity in the basic techniques of a variety of painting media. Introduction of abstraction and modern art techniques. Required field trip. Weekly sketchbook assignments. Course fee for materials.

**CERAMICS**

**SEMESTER**

**GRADES: 10-12**

**PREREQUISITE: Fundamentals of Art**

**Offered in the fall of even-numbered years**

Studio course. Emphasis on design, construction and glazing of hand-built pottery and sculpture. Historical study of pottery and sculpture from past to present techniques and styles. Required field trip. Course fee for materials.

**SCULPTURE**

**SEMESTER**

**GRADES: 10-12**

**PREREQUISITE: Fundamentals of Art**

**Offered in the fall of odd-numbered years**

Studio course. Emphasis on the design, construction and finishing of sculpture created in a variety of media. Students will learn different techniques and their historical context. Required field trip. Course fee for materials.

**WORLD ART**

**SEMESTER**

**GRADES: 10-12**

**PREREQUISITE: Fundamentals of Art**

World Art provides an alternative to traditional drawing and painting classes. Students will use a variety of mediums and techniques to create original two and three dimensional artworks that focus



students' vocabulary, to increase their cultural knowledge, and to teach additional verb tenses and grammar necessary to communicate clearly at the intermediate level.

### ***LANGUAGE ARTS***

#### **\*LANGUAGE ARTS 1**

**YEAR**

**GRADES: 9**

**PREREQUISITE: None**

Builds on all aspects of language skills, including literature, grammar, vocabulary development, and writing. Literature focus is short fiction and non-fiction works, Shakespeare, Homer, and poetry. Literary elements include the plot pyramid, irony, narrator, theme, indirect characterization, and poetic devices. Grammar skills include parts of speech, verb forms, tenses, and subject/verb agreement, prepositional phrases, capitalization, and mechanics. Writing includes at least one book report, summaries, essay answer development, creative writing, proofreading and editing.

#### **\*LANGUAGE ARTS 2**

**YEAR**

**GRADES: 10**

**PREREQUISITE: Language Arts 1**

Builds on literature, grammar, vocabulary, and writing skills from Language Arts 1. Subject matter also includes at least one novel, two research papers, public speaking presentations, a career exploration project, and objective and subjective writing material. Grammar focuses largely on pronoun case, agreement with antecedents, compound/complex sentences, punctuation, and ACT proofreading practice and review.

#### **\*LANGUAGE ARTS 3**

**YEAR**

**GRADES: 11**

**PREREQUISITE: Language Arts 2**

Survey of American Literature from 1600s to contemporary including fiction, non-fiction, and poetry. Examines the relationship between historical events/periods and the literature of the time. Includes at least two formal essays in MLA format, a research project, a weekly journal, reading and writing poetry, a classic American novel, and preparation for the English and Reading sections of the ACT.

#### **BRITISH LITERATURE**

**SEMESTER**

**GRADES: 12**

**PREREQUISITE: Language Arts 2**

**Offered in the spring of even-numbered years**

This course is a survey of British Literature from the beginning to the mid-1900s. Authors studied include Chaucer, Shakespeare, Swift, and Orwell, among others. Various writing assignments, projects, vocabulary studies, and grammar review are also included.

#### **MODERN LITERATURE**

**SEMESTER**

**GRADES: 11-12**

**PREREQUISITE: Language Arts 2**

**Offered in the spring of odd-numbered years**

Students will read a variety of current literature throughout the semester. The course will include circle class discussions, journal entries, book reviews for the school newspaper, creative projects, and opportunities for student-led classes. Possible course fee for materials and books.

**BASIC WRITING COMPOSITION****SEMESTER****GRADES: 12****PREREQUISITE: Language Arts 3**

This course will focus on developing and improving practical writing skills such as applications, business letters, resumes, and responses to non-fiction articles. Students will review mechanics, usage, and grammar rules, will develop a stronger vocabulary, and will practice editing and revising.

**COLLEGE WRITING****SEMESTER****GRADES: 12****PREREQUISITE: Language Arts 3****RECOMMENDED PREREQUISITE: B- or above in Language Arts 3 and a score of 3 or higher on the writing entrance exam**

This course will focus on composition at the college level. Students will write 3-5 major essays and other smaller assignments and will further develop their revision skills. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as EN100 for three credits. A qualifying score on a writing pretest is required for college credit. Possible course fee for materials and books. *This course is strongly recommended for college bound students.*

**RHETORIC****SEMESTER****GRADES: 12****PREREQUISITE: College Writing with a grade of C or above**

This course focuses on critical reading, problem solving, research, and documented writing skills. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as EN140 for three credits. At the end of the semester, students must pass the University Writing Exam in order to receive college credit for the course. Possible course fee for materials and books.

**SPEECH 1****SEMESTER****GRADES: 11-12****PREREQUISITE: Language Arts 2**

This course introduces students to the art of public speaking. It is designed to help students overcome their fear of public speaking and performing before groups so that they will gain confidence in themselves as communicators. Students will learn interpersonal skills, techniques for speech delivery, research techniques, composition, organization, audience analysis, basics of oral interpretation, and development of visual aids. To enhance their skills students will present a variety of speeches including impromptu, self-introduction, demonstrative, informative, persuasive (sales), group presentations and oral interpretation.

**SPEECH 2****SEMESTER****GRADES: 11-12****PREREQUISITE: Speech 1 with a grade of C or above**

This course is composed of advanced studies in speech communications. Heavy emphasis will be placed on topic selection, researching a thesis, full sentence outlines, key word outlines, and extemporaneous style of delivery. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as SC105 for three credits. Possible course fee for materials and books.

## ***MATHEMATICS***

### **ALGEBRA 1**

**YEAR**

**GRADES: 9**

**PREREQUISITE: None**

Algebra 1 covers all basic concepts of a typical algebra course. Students learn to solve linear and quadratic equations and inequalities, simplify expressions, solve systems of equations and graph functions. A major emphasis of the text is placed on showing students how these and other algebra concepts are used in the “real world.” Students also receive a basic overview of right triangle trigonometry, exponential functions and rational functions.

### **GEOMETRY**

**YEAR**

**GRADES: 9-10**

**PREREQUISITE: Algebra 1**

**Freshmen: A or B in Algebra 1 or C with recommendation of instructor**

This course very thoroughly covers the basic concepts of Euclidean geometry, exploring the principles of points, lines, planes, angles, measurement, dimension, area and volume. Students learn to make basic constructions using the compass and straightedge, they distinguish between different types of transformations of shapes, and they learn how to perform geometric proofs. Students also learn how to apply their knowledge of geometry to real world situations. This course provides many opportunities for hands-on learning, which is advantageous for the tactile learner. This text finishes with chapters on similarity, right triangle trigonometry, and properties of circles.

### **ALGEBRA 2**

**YEAR**

**GRADES: 10-11**

**PREREQUISITE: Geometry**

Algebra II is an advanced algebra course. Its main focus is on functions-covering linear, quadratic, polynomial, exponential, logarithmic, rational and periodic functions. While exploring these functions and learning to solve equations based on them, all students will be thoroughly taught how to utilize graphing technology. The graphing calculators will enhance not only the students’ basic understanding of functions, but will also help to show how different functions are used in real-world applications. This course also highlights topics such as matrices, basic trigonometry, probability, conics, and sequences and series.

### **MATHEMATICAL MODELING**

**SEMESTER**

**GRADES: 11-12**

**PREREQUISITE: Algebra 2**

A diverse selection of mathematical and statistical topics, which will improve students’ logical and quantitative reasoning skills through real-life applications. This class may be taken for college credit through dual enrollment with Southeast Missouri State University for three credits. An ACT Math score of 22 or higher is required for college credit. Possible course fee for materials.

### **STATISTICS**

**SEMESTER**

**GRADES: 11-12**

**PREREQUISITE: Algebra 2**

Students will learn to collect, analyze, interpret, and apply statistical data in various contexts. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as MA155 for three credits. An ACT Math score of 22 or higher is required for college credit.

**PRECALCULUS A** **SEMESTER** **GRADES: 11-12**

**PREREQUISITE: Algebra 2**

This in-depth study of functions and graphs, polynomial, rational, exponential, logarithmic and matrices is intended to prepare students for Calculus. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as MA116 for three credits. An ACT Math score of 22 or higher is required for college credit.

**PRECALCULUS B** **SEMESTER** **GRADES: 11-12**

**PREREQUISITE: PreCalculus A**

Students continue preparation for Calculus through study of trigonometric functions, identities, graphs and equations; and vectors, polar coordinates and conics. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as MA117 for three credits. An ACT Math score of 22 or higher is required for college credit.

**CALCULUS** **YEAR** **GRADES: 12**

**PREREQUISITE: PreCalculus B**

This course will introduce students to the basic concepts of Calculus used in many disciplines. The first semester will cover limits, continuity, derivatives and applications of derivatives. Second semester topics will include integration and the Fundamental Theorem of Calculus and applications. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as MA140 for five credits. An ACT Math score of 26 or higher, or college credit in PreCalculus B, is required for college credit.

### *PHYSICAL EDUCATION/HEALTH*

**\*HEALTH** **SEMESTER** **GRADES: 9-12**

**PREREQUISITE: None**

This is a required course involving the study of mental, physical, social and spiritual health. It includes the study of peer pressure, goal setting, and the importance of abstinence, personal hygiene, nutrition, fitness and first aid/CPR. Also available as a Saxony Online course.

**PHYSICAL FITNESS (formerly PE 1)** **SEMESTER** **GRADES: 9-12**

**PREREQUISITE: None**

**(PE 1 or PE 2 credit)**

This course will include physical fitness, weight training, and a few team sports. Students will set goals based on a five-part physical fitness test along with body fat percentage and weight. Students will work toward these goals in class and will retake the tests at the end of the semester to show progress. Students will be given criteria for these tests at the beginning of the semester.

**AEROBICS** **SEMESTER** **GRADES: 9-12**

**PREREQUISITE: None**

**(PE 1 or PE 2 credit)**

This course is designed to strengthen the cardiovascular system, decrease body fat, and tone and firm muscles. The workouts will consist of a warm-up, a 20-30 minute aerobic workout, followed by a cool-down including stretching. In addition to aerobic workouts, the student will receive information on how to improve health and fitness. Some workouts may include step aerobics, kick-boxing, dance

steps and other steps along with music. A five-part physical fitness test will be given as a pre- and post-test.

**WEIGHT TRAINING** **SEMESTER** **GRADES: 10-12**

**PREREQUISITE: PE 1 or Physical Fitness or Aerobics**  
**(PE 2 credit)**

This course will include strength training that specifically uses weights to achieve goals in a healthy, educated, and safe manner. This course is designed to develop realistic personal fitness goals and to design and implement a fitness program based on these goals. It will incorporate the development of certain weight training and strength training in which the student can participate throughout a lifetime. Proper care of equipment and safety in the weight room/gymnasium are other aspects of this course.

**SPORT READINESS** **SEMESTER** **GRADES: 10-12**

**PREREQUISITE: PE 1 or Physical Fitness or Aerobics and participation in Saxony athletics current or following semester**  
**(PE 2 credit)**

This course is designed to optimize sports performance and reduce risk of injury for athletes participating in sports. Course content will include: sport specific skill development, sport specific strength training, cardiovascular conditioning, agility work, plyometric jump training, speed training and flexibility exercises.

**LIFETIME SPORTS (formerly PE 2)** **SEMESTER** **GRADES: 11-12**

**PREREQUISITE: PE 1 or Physical Fitness or Aerobics**  
**(PE 2 credit)**

This course will include an overview of rules, etiquette and skills of various individual/dual sports that can be used as a means of physical activity at any age. These will include activities such as golf, bowling, ping pong, horseshoes, and tennis. Students will also participate in regular physical conditioning involving weight lifting, toning and flexibility activities. Course fee for some activities.

**PHYSICAL EDUCATION ALTERNATIVE** **SEMESTER** **GRADES: 9-12**

**PREREQUISITE: PE 1 or Physical Fitness or Aerobics**  
**(PE 2 credit)**

Students who have completed a previous PE class may receive credit for participation in extracurricular athletics. Students receive a Pass/Fail grade and ½ credit is granted for the season completed. This course will not be included in GPA calculations and cannot be repeated for credit.

***PRACTICAL ARTS***

***Agriculture Science***

**AGRICULTURE SCIENCE 1** **YEAR** **GRADES: 9-12**

**PREREQUISITE: None**

This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal





**AGRICULTURE MANAGEMENT****SEMESTER****GRADES 11-12****PREREQUISITE: Agriculture Science 2****Offered in the fall of even-numbered years**

This course builds on basic skills and knowledge gained in the Agriculture Science 1 & 2 courses. The focus of this class will be in record keeping in agriculture and agriculture business. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and work skills will be a focus and emphasized in this course. Participation in the FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for ongoing leadership development, career exploration and reinforcement of academic concepts.

**AGRICULTURE ECONOMICS****SEMESTER****GRADES 11-12****PREREQUISITE: Agriculture Science 2****Offered in the spring of odd-numbered years**

This course builds on basic skills and knowledge gained in the Agriculture Science 1 & 2 courses. The focus of this class includes trends in agriculture, marketing of commodities and contracting of commodities as they relate to the livestock, grain, forage and other Ag related industries. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and work skills will be a focus and emphasized in this course. Participation in the FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for ongoing leadership development, career exploration and reinforcement of academic concepts.

*Business***BUSINESS FOUNDATIONS****SEMESTER****GRADES: 10-12****PREREQUISITE: None**

This course explores the major functional areas of business, including management, marketing, accounting, finance, economics, and information technology. Also included are important concepts such as ethics and social responsibility, forms of ownership, small business and entrepreneurship, and international business.

**INTRODUCTION TO ACCOUNTING****SEMESTER****GRADES: 10-12****PREREQUISITE: None**

This course introduces basic accounting principles and procedures with lesson topics including cash control, banking activities, and accounting for sales on account, for cash receipts, for purchases on account, and for cash payments. Students will develop competence in managing personal business affairs and preparing personal income documents. Careers in accounting will also be explored.

*Computers***COMPUTER APPLICATIONS 1****SEMESTER****GRADES: 9-12****PREREQUISITE: Touch Typing Skills**

This course will cover Windows 10, word processing with focus in Microsoft Word, graphic presentation programs with focus in Microsoft PowerPoint, desktop publishing using Word and Microsoft Publisher, electronic etiquette, privacy, protection and laws, careers involving computer application skills, cloud technology, and current technology issues and news. This class, together with Computer Applications 2, may be taken for college credit through dual enrollment with Southeast



**PUBLICATIONS** **YEAR** **GRADES: 11-12**

**PREREQUISITE: B avg. in Lang. Arts 2 and instructor approval**

Teacher-approved students prepare the school newspaper and yearbook. Student's tasks will include journalistic writing, interviewing, photography, advertisement sales, and cooperative work to prepare yearbook and newspaper.

**AIDE** **SEMESTER** **GRADES: 12**

**PREREQUISITE: Counselor Approval**

Seniors may request to serve as an Office Aide or Teacher Aide for one period per day. This request must be made to the School Counselor. Selection will be based on the needs of the student, appropriate staff, and the number of requests made in a given year. Students will receive a Pass/Fail grade and one academic credit (but not Practical Arts credit) is awarded for a passing grade. This course will NOT be included in GPA calculations.

**CAREER EDUCATION** **YEAR** **GRADES: 11-12**

**PREREQUISITE: None**

Juniors and seniors have the opportunity to take one of a number of vocational-technical courses offered at the Cape Girardeau Career and Technology Center or the Perryville Career and Technology Center. This course is equivalent to three credits and students must provide their own transportation. Special application required; please see the School Counselor for details and information on courses offered.

*Students who are interested in completing two years at a Career Center should speak with the Counselor during the freshman year in order to ensure that all graduation requirements can be met.*

**SCIENCE**

**\*PHYSICAL SCIENCE** **YEAR** **GRADES: 9**

**PREREQUISITE: None**

This course involves the study of matter and energy. It includes the study of the scientific process, measurements, sound and light waves, the periodic table and atoms, and energy resources. This course prepares students for Chemistry and Physics.

**\*BIOLOGY** **YEAR** **GRADES: 10**

**PREREQUISITE: Physical Science**

Biology is a creation-based approach to the study of life from cells to organisms and the Earth's biosphere. This course continues the study of chemistry needed to understand cell structure and function. Also included are ecology, biological diversity, the cell cycle, and genetics.

**ANATOMY & PHYSIOLOGY** **YEAR** **GRADES: 11-12**

**PREREQUISITE: Biology**

Anatomy and Physiology is the study of the structure and function of cells, tissues, and organs of the human body. All body systems will be studied including Integumentary, Skeletal, Muscular, Nervous, Sensory, Endocrine, Cardiovascular, Lymphatic, Respiratory, Digestive, Urinary and Excretory, and Reproductive.

**CHEMISTRY****YEAR****GRADES: 11-12****PREREQUISITE: Physical Science & Biology with grades of C or above**

Chemistry is the science of the composition, properties, and interactions of matter. Topics studied include atomic structure, the periodic table, ionic and covalent compounds and nomenclature, chemical equations, quantities in chemical reactions and the mole, solutions and solubility, kinetic energy, and gas laws.

**PHYSICS****YEAR****GRADES: 11-12****PREREQUISITE: Physical Science and Algebra 2**

This course is recommended for students considering pursuing a STEM career. Major concepts of physics are covered, including kinematics, forces, mechanics, heat and energy, wave motion and sound, optics, electricity, and modern physics with an emphasis on the investigative processes.

**ADVANCED BIOLOGY****YEAR****GRADES: 12****PREREQUISITE: Biology and Chemistry**

Advanced Biology is a college-level course. It includes an in-depth, creation-based study of the following: The Chemistry of Life including water, carbon compounds, and biomolecules; The Cell including membrane structure and function, cellular respiration, photosynthesis, and the cell cycle; Genetics including meiosis and the chromosomal basis of inheritance; and Evolution and Creation.

**ADVANCED CHEMISTRY****YEAR****GRADES: 12****PREREQUISITE: Chemistry**

Advanced Chemistry is a college-level course. The course builds upon topics learned in chemistry and includes chemical reactions in aqueous solutions, thermodynamics, gas laws, properties of solutions, chemical kinetics, chemical equilibrium, acids and bases, solubility equilibrium, electrochemistry, and nuclear chemistry.

***SOCIAL STUDIES*****\*AMERICAN HISTORY****YEAR****GRADES: 9,10****PREREQUISITE: None**

This course will provide an overview of the growth, struggles and story of the United States from the Reconstruction Era through the end of the Cold War. Students will examine developments in United States government and foreign relations as well as social movements and interactions between people groups in the United States.

**WORLD GEOGRAPHY****YEAR****GRADES: 10****PREREQUISITE: None**

This course is a study of the various places, peoples and cultures of the world we live in to develop an understanding of the forces working upon them. The course is structured largely around the five themes of Geography: location, place, region, human-environment interaction, and movement. Each unit (except the first) will examine both the physical and human geography of a world region and conclude with a study of challenges facing the region.

**\*GOVERNMENT****SEMESTER****GRADES: 11-12****PREREQUISITE: None**

This course will provide an overview of American and Missouri governments through the United States and Missouri constitutions. Students will study the principles of a constitutional democracy, the roles and interaction of state and national governments within a federal system and the responsibilities of the legislative, judicial and executive branches as well as the system of checks and balances that exist within the United States government. Students will also examine the election process and the impact of political parties. Also available as a Saxony Online course.

**CURRENT EVENTS****YEAR****GRADES: 11-12****PREREQUISITE: Geography**

Current Events will focus on what is currently happening in the news. Students will examine the role of media in today's society. Students will be able to recognize bias in the media. Students will examine the different parts of political cartoons. This class will be based on in-class discussion and debates.

**PSYCHOLOGY****SEMESTER****GRADES: 11-12****PREREQUISITE: None****RECOMMENDED PREREQUISITE: B or higher average in previous Language Arts course**

This course will cover major theories and themes of psychology, including body and mind connections, learning and thinking, personality, psychological disorders and social psychology. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as PY101 for three credits. Possible course fee for materials and books. .

**SOCIOLOGY****SEMESTER****GRADES: 11-12****PREREQUISITE: None****RECOMMENDED PREREQUISITE: B or higher average in previous Language Arts course**

Sociology is the study of society and culture and their impact on human social behavior. This class may be taken for college credit through dual enrollment with Southeast Missouri State University as SO102 for three credits. Possible course fee for materials and books.

**WORLD HISTORY 1****SEMESTER****GRADES: 11-12****PREREQUISITE: World Geography****Offered in the fall of even-numbered years**

World History I will begin with the earliest civilizations-Mesopotamia, Egypt, China and India. The class will be centered-around discovering the five traits of civilization in each civilization we discuss. This class will cover the development of major world religions-Judaism, Hinduism, Buddhism, Christianity and Islam. World History I students will learn about the origins of democracy in the Greek and Roman civilization. It will also explore ancient invaders such as Genghis Khan. It will end with the Middle Ages.

**WORLD HISTORY 2****SEMESTER****GRADES: 11-12****PREREQUISITE: World Geography****Offered in the spring of odd-numbered years**

World History 2 will begin with the rebirth of civilization including Renaissance writers and painters. The course will focus on the earliest explorers as they 'discover' the Americas. It will also cover the absolute monarchs of Europe, including Henry VIII and Louis XIV. Special attention will be paid to the European revolutions that occurred during the 18<sup>th</sup> and 19<sup>th</sup> centuries, which helped

establish the modern European borders. Both World War I and II will be discussed at length, including the causes and the impacts of the wars.

**WORLD HISTORY 3**

**SEMESTER**

**GRADES: 11-12**

**PREREQUISITE: World Geography**

**Offered in the fall of odd-numbered years**

Students will learn about the events following the fall of Nazi Germany in Europe and the reconstruction of Germany and Europe in the post-World War II era. This class will also identify the reasons for the rise of Communism in China and the Far East. It will also explore the factors that contributed to the Korean conflict and the war itself. Students will focus on the Cold War in Europe and the Communist Bloc of Eastern Europe. The class will conclude with the decline of the Soviet Union and the major crises of Europe in the 1990s and early 2000s.

**ECONOMICS**

**SEMESTER**

**GRADES: 11-12**

**PREREQUISITE: World Geography**

**Offered in the spring of even-numbered years**

Students will learn key economic principles. Concepts to be covered will be drawn from both macro- and micro-economics and may include scarcity, opportunity costs, supply and demand, competition, unemployment and inflation, gross domestic product and monetary and fiscal policy.

**\*PERSONAL FINANCE**

**SEMESTER**

**GRADES: 10-12**

**PREREQUISITE: None**

*See Practical Arts Listings*

**THEOLOGY**

**SERVICE HOURS**

Each student is required to complete sixty hours of service for graduation. This requirement is to stress our active response to God's love and to discover talents we have to serve God's Kingdom now and in the future. Freshmen and sophomores will be asked to serve ten hours each year in school, at home, in their neighborhood or in church. Juniors and seniors will serve their church or a community organization for a total of twenty hours each year. In this context, "church" includes any affiliated agency, including evangelism, tutoring, etc. The students will not receive any remuneration for this service.

**OLD TESTAMENT**

**YEAR**

**GRADES: 9-10**

**PREREQUISITE: None**

**Offered alternate years**

This course includes an overview of the Biblical timeline, study of the Old Testament with emphasis on Genesis and other historical books, and as time permits, the study of prophetic books.

**NEW TESTAMENT**

**YEAR**

**GRADES: 9-10**

**PREREQUISITE: None**

**Offered alternate years**

This course includes an overview of the life of Christ as portrayed in the Gospels. The Book of Acts and the history of the early Church, as well as the Epistles will also be covered.

**OUR CHRISTIAN RESPONSE****YEAR****GRADES: 11-12****Prerequisite: None****Offered alternate years**

Our Christian Response highlights the Lutheran response to the events of the Reformation through contemporary Christianity. Through the lenses of Lutheran doctrine and practice, the students will learn how to respond to other Christian denominations, world religions, and contemporary cults. Students will also observe and respond to the relationship between the Church and the secular media.

**OUR CHRISTIAN RESPONSIBILITY****YEAR****GRADES: 11-12****Prerequisite: None****Offered alternate years**

Our Christian Responsibility equips and empowers the students to stand firm in their faith through their words and actions. With the early Church and contemporary Christian apologists as their guide, students will exercise a Lutheran defense against the influences of our secular society. Additionally, students will explore our responsibility to apply biblical concepts and teachings to our relationships with ourselves and our neighbors.

*Students are required to take one of the courses above each year. The courses below are available as additional Theology credits.*

**CREATIVE WORSHIP****SEMESTER****GRADES: 10-12****Prerequisite: None**

Creative Christianity highlights the variety of ways in which a Christian can bring glory to God in a postmodern world. Students will explore ways to express their faith and talents through the arts, worship, Bible study, and prayer. Members of this class will regularly lead chapels, create devotions, and explore ways to use the arts in worship. The goal of this class is to help the student discover and refine ways in which they can express their faith.

**CHURCH HISTORY****SEMESTER****GRADES: 10-12****Prerequisite: None**

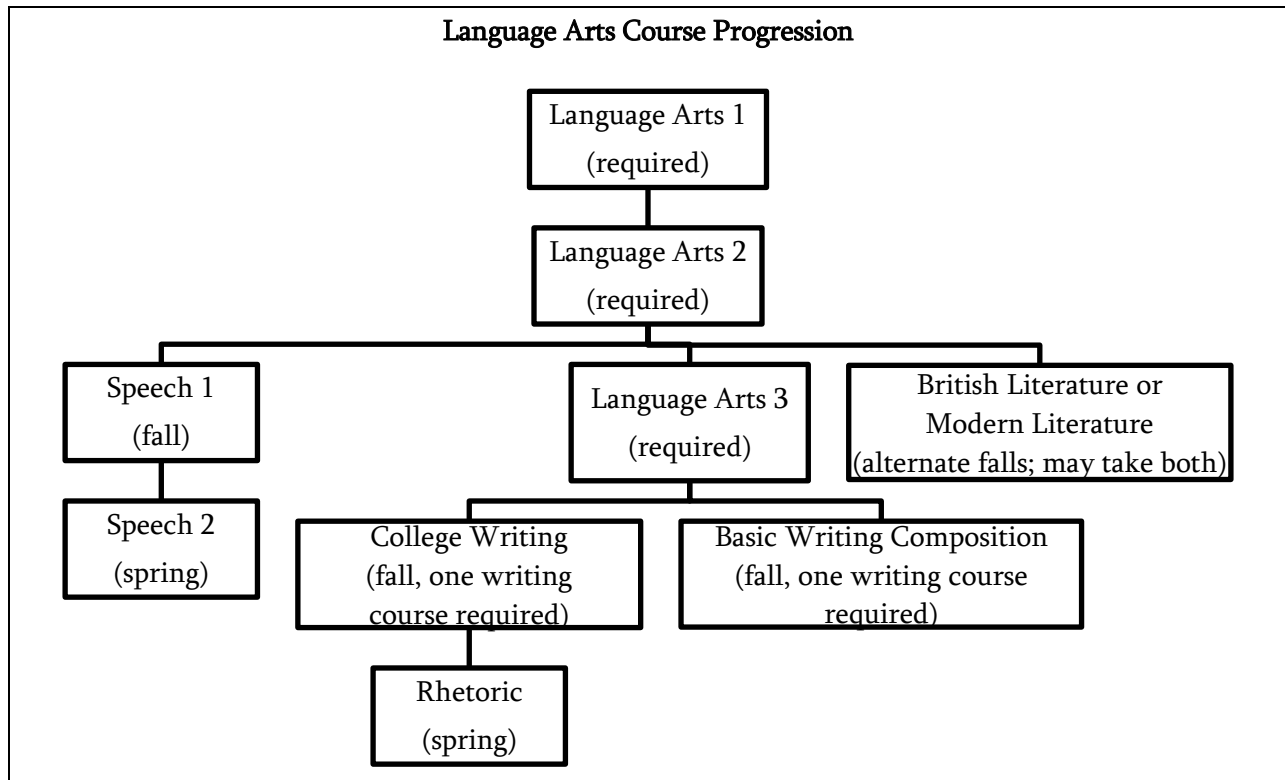
Church History provides a survey of Christian history ranging from Pentecost to contemporary Christianity. This class will highlight the variety of ways in which the Church worked to fulfill the Great Commission. Along with learning about the history of the expanding Church, students will discuss ways in which God continues to nurture the spread of Gospel.

## SUMMARY OF DUAL CREDIT COURSES

Subject Area	Saxony Course Title / <i>SEMO Course Title</i>	SEMO Course Number	Credits
Fine Arts	Arts Appreciation / <i>Music: An Artistic Expression</i>	MU182	3
Fine Arts	Music Theory / <i>Theories of Music in Culture</i>	MM101	3
Language Arts	English Composition / <i>English Composition</i>	EN100	3
Language Arts	Rhetoric / <i>Rhetoric and Critical Thinking</i>	EN140	3
Language Arts	Speech 2 / <i>Fundamentals of Oral Communication</i>	SC105	3
Mathematics	Mathematical Modeling / <i>Mathematical Modeling</i>	TBA	TBA
Mathematics	Statistics / <i>Statistical Reasoning</i>	MA155	3
Mathematics	PreCalculus A & B / <i>PreCalculus A &amp; B</i>	MA116 MA117	3 3
Mathematics	Calculus / <i>Analytic Geometry and Calculus I</i>	MA140	5
Practical Arts	Computer Applications 1 & 2 / <i>Introduction to Microcomputer Applications</i>	AD101	3
Social Studies	Psychology / <i>Psychological Perspectives on Human Behavior</i>	PY101	3
Social Studies	Sociology / <i>Society, Culture, and Social Behavior</i>	SO102	3

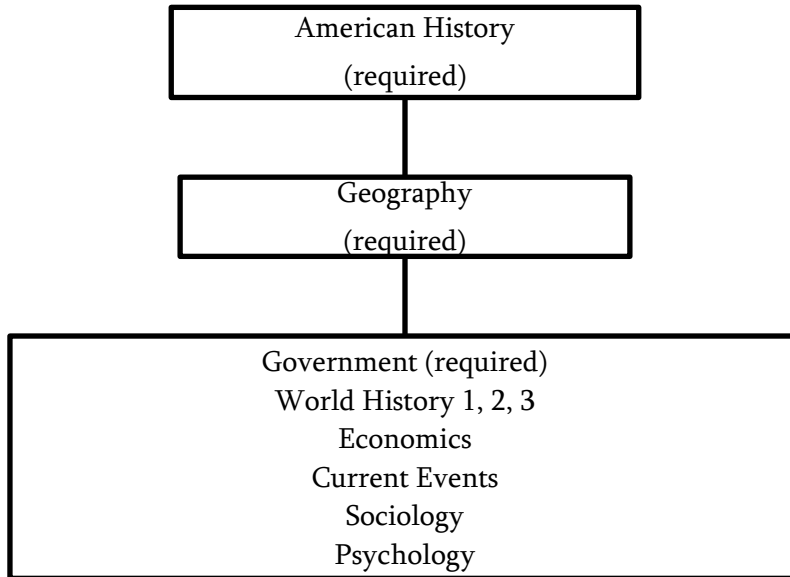
Students are also able to take online dual credit courses. Courses offered vary each semester; check with the counselor for details.

## SELECTED COURSE PROGRESSIONS

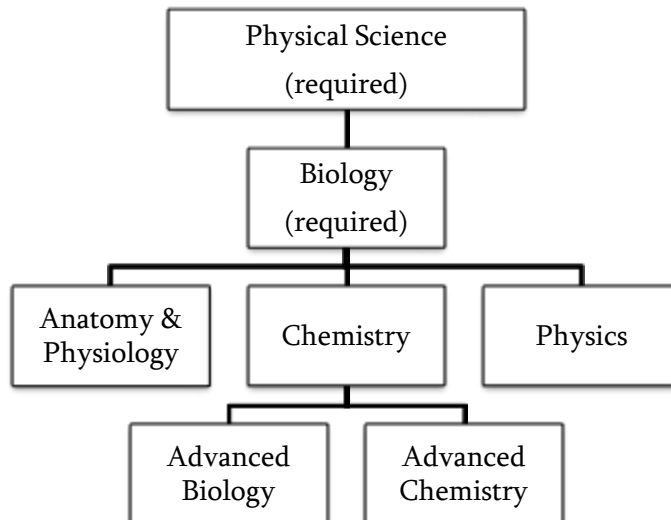




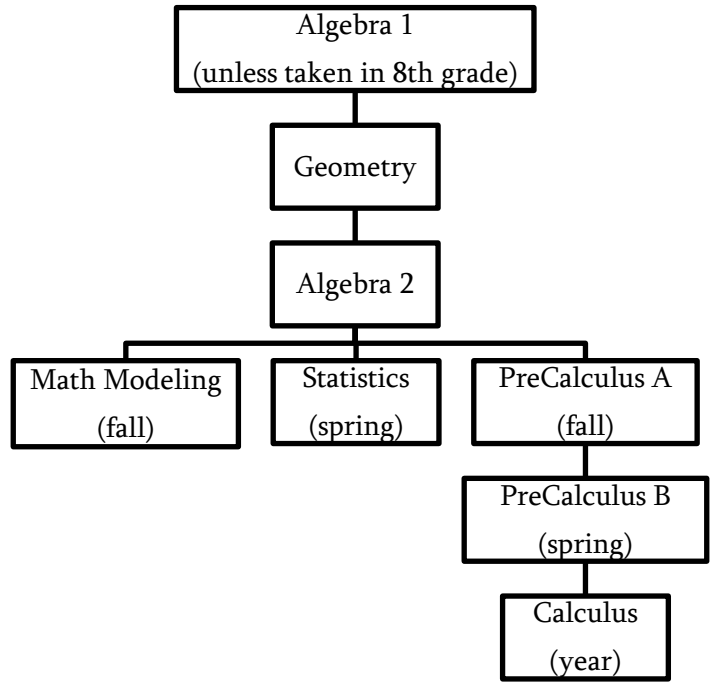
### Social Studies Course Progression



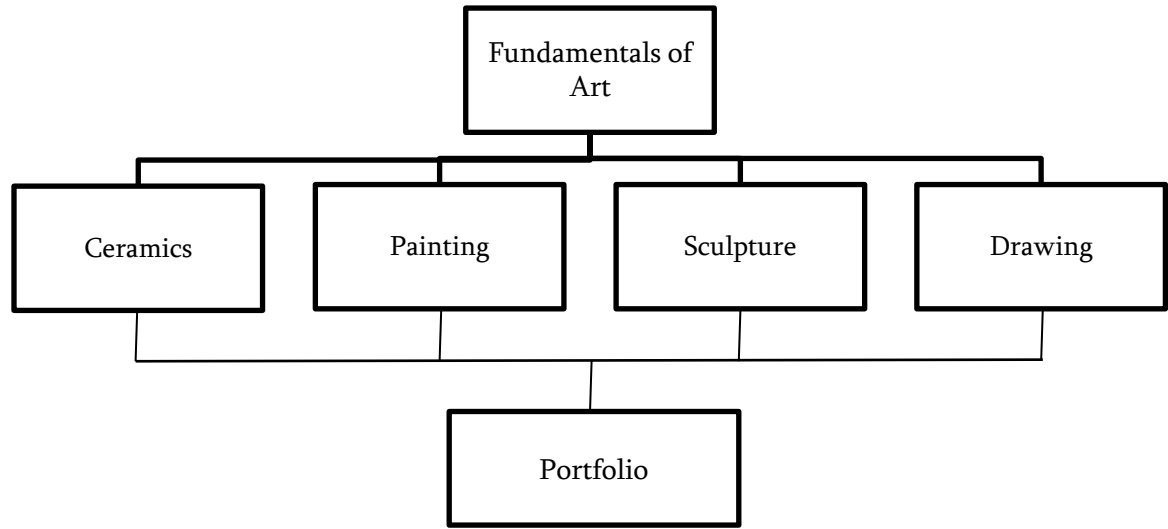
### Science Course Progression



**Mathematics Course Progression**



**Visual Arts Course Progression**



**Agriculture Science Course Progression**

Ag Science 1

Ag Science 2

Agronomy  
Animal Husbandry  
Ag Management  
Ag Economics

**Physical Education Course Progression**

\*This course may only be taken once for PE credit.

*Take one of these:*  
Physical Fitness\*  
Aerobics\*  
Online PE  
Summer School PE

*Then take one of these:*  
Physical Fitness\*    Aerobics\*    Weight Training    Sport Readiness  
Lifetime Sports    PE Alternative    Online PE    Summer School PE

## Computer Course Progression

*Take one or both of these:*

Computer Apps 1

Computer Apps 2

*For dual credit, both must be taken in the same year*

*Then you may take one or both of*

Computer Apps 3

Graphic Design

*If you take at least one from the second box, you may take*

Information Technology