



2015-2016 CURRICULUM GUIDE

TODAY AN EDUCATION, TOMORROW A CAREER

SYLACAUGA HIGH SCHOOL

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WWW.SYLACAUGA.K12.AL.US/SHS

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MISSION STATEMENT

The mission of Sylacauga City Schools, a system instilled with a strong educational ethic and community support, is to produce graduates of superior academic and social development which enables them to achieve to the fullest extent of their potential in all of their endeavors.

NON-DISCRIMINATION STATEMENT

It is the policy of the Sylacauga Board of Education not to discriminate on the basis of sex, disability, religion, creed, national origin, race, color or age in its educational programs, activities, or employment policies as required by Federal Regulations. Inquiries or complaints regarding compliance with Federal Regulation may be directed to the Title IX and Title VI Coordinator, Dr. Todd Freeman, or Section 504 Coordinator, Mrs. Jennifer Rosato, at 605 West Fourth Street, Sylacauga, AL 35150, telephone number (256)245-5256.

DIPLOMA REQUIREMENTS—BEGINNING WITH CLASS OF 2017

In order to graduate from Sylacauga High School and receive a high school diploma, a student must meet all requirements of the State Legislature, the State Department of Education, and the school board. Beginning with the Class of 2017, there will be one diploma for all students, Alabama High School Diploma. SCS students will be given the opportunity to earn additional endorsements based on the guidelines below:

College, Career, Community Diploma

English Language Arts—4 Units
Mathematics—4 Units
Science—4 Units
Social Studies—4 Units
Physical Education—1 Unit
Health Education—1/2 Unit
Career Preparedness—1 Unit
CTE and/or Foreign Language and/or Fine Arts—3 Units
Electives—6.5 Units

Total Units Required for Graduation—28 Units*

*In addition to the above requirements, 100 hours of documented community service are required for graduation.

Diploma Concentrations—Beginning with Class of 2017

Honors Concentration—32 Units

Foreign Language—2 Units **and** student must complete 3 of 4 courses in each core area at the PreAP/Honors/AP levels.

Career and Technical Concentration—28 Units

Career and Technical Education—2 Units

Honors and CTE Concentration—32 Units

CTE—2 Units **and** Foreign Language—2 Units **and** student must complete 3 of 4 courses in each core area at the PreAP/Honors/AP levels.

IMPORTANT SCHEDULING INFORMATION TO STUDENTS

The 2015-2016 Curriculum Guide lists and describes all courses currently offered at Sylacauga High School. Students need to plan ahead to prepare for the various career options that are available once a diploma has been earned from Sylacauga High School. Selections should be made carefully with deliberation and thoughtfulness, taking into account high school graduation requirements, preparation for post high school study, and career plans. Students are urged to retain the curriculum guide after classes are selected. In addition to course descriptions, graduation requirements, the policy for repeating a course, and other information needed for planning are included.

Not all courses within the guide will be taught each year. Some courses will be offered on a rotating basis, while others will be offered if adequate student demand is generated. The master schedule is built based upon student course requests; therefore, it is important that you plan well and make accurate requests. Students should communicate with teachers about courses requests. The guidance office can help answer your questions. Students will be held to the requests made; if scheduled improperly, the student schedule will be made by administration.

As a student-centered organization, the master schedule is based on student requests and available teaching staff. Therefore, these selections have a major impact on the master schedule and staffing needs for the following school year.

Below are the only approved reasons for changes in a schedule:

1. Student has been scheduled into a course previously passed.
2. Student has been scheduled into a course out of sequence.
3. Senior is missing a requirement for graduation.
4. Administrator must level and balance the number of students.
5. A placement change is needed and directed by an administrative school official.
6. By state mandate, maximum class size must be regulated for each teacher.

Requested changes related to teacher assignments, class periods, etc. WILL NOT be considered.

Course Request Verification Forms should be complete with parent's signature. Incomplete forms or those not turned in will have schedules generated by the school administration.

To request courses for next year:

1. Go to <http://inow-sylacauga.asc.edu/InformationNOW>.
2. Authenticate to the server using Parent and *Inow2011.
3. Login to the INOW Server using your student login information.
4. Click on Requests from the menu at the left.
5. Select **only Eight (8)** courses from the list for approval.
6. Fill in Course Request Verification Form with courses chosen in INOW, including **six** alternate courses.
8. Make any notes for counselors or administrators.
9. Have parent or guardian sign Course Selection Form.
10. Turn in completed Course Request Verification Form into the guidance office by the deadline.

ENGLISH/LANGUAGE ARTS DEPARTMENT

ENGLISH—CCC LEVEL

200005	ENGLISH 9	200013	ENGLISH 11
200009	ENGLISH 10	200017	ENGLISH 12

English 9-12 are grade-level courses which meet state requirements for a high school diploma. They focus on fundamentals to help the student achieve his/her language arts potential.

Prerequisite

Successful completion of the previous year's English

ENGLISH—PRE-AP LEVEL

200006	PRE-AP ENGLISH 9
200010	PRE-AP ENGLISH 10

Pre-AP English is designed for the mature student who meets the guidelines for the Advanced Placement feeder program. A summer reading program is required. Course content includes studying advanced grammar, reading various genres of American literature, composing a formal research paper, studying vocabulary, and improving composition skills. These courses stress speaking and listening skills and also develop skills for the critical viewing of television and video presentations.

Prerequisite

Criteria for admission include ASPIRE/EXPLORE/PLAN, grade in previous year's English, and teacher recommendation

ENGLISH—ADVANCED PLACEMENT LEVEL

200016	ADVANCED PLACEMENT ENGLISH LANGUAGE & COMPOSITION 11
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AP English Language and Composition is a college-level course which pairs an in-depth study of American literature since 1920 with the study of rhetoric and rhetorical strategies employed in nonfiction prose. Students will read from a wide variety of fiction and nonfiction texts, including works for mature readers.

Prerequisite

Criteria for admission include PLAN/ACT plus Writing scores, grade in previous year's English, and teacher recommendation

200020	ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION 12
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AP English Literature and Composition includes intensive study of representative works from various genres, periods, and cultures, building upon reading done in previous English courses. A summer reading program is required. Writing instruction includes attention to developing and organizing ideas in clear, coherent, and persuasive language. Emphasis is placed on helping students develop stylistic maturity.

Prerequisite

Criteria for admission include PLAN/ACT plus Writing scores, grade in previous year's English, and teacher recommendation

ENGLISH/LANGUAGE ARTS—ELECTIVES

200033	CREATIVE WRITING	(10-12)
200036aa	CREATIVE WRITING II	(11-12)

Creative Writing is designed for students who wish to express themselves creatively. Students read, study, and write short stories, poems, essays, and one-act plays which will then be entered in local, state, and national writing contests. Students are also expected to keep a writing portfolio and to complete individual projects.

Fee for course is \$10.

200045	SPEECH/DEBATE	(10-12)
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Speech/Debate deals with basic argumentation based on logical reasoning and analysis used in both competitive debating and speaking. Students study a variety of types of debate in addition to individual speaking events.

Fee for course is \$10.

SOCIAL STUDIES DEPARTMENT

WORLD HISTORY—9

230014	HONORS WORLD HISTORY: 1500 TO THE PRESENT
230013	WORLD HISTORY: 1500 TO THE PRESENT

World History: 1500 to the Present directs students to think critically about the forces that combine to shape the world today. It allows them to analyze development and changes in the European, Asian, African, and American civilizations and ways in which the interactions of these cultures have influenced the formation of today's world.

UNITED STATES HISTORY—10

230017	ADVANCED PLACEMENT US HISTORY 10
230016	US HISTORY TO 1877

US History to 1877 begins with the earliest discoveries on the North American continent and follow a chronological study of the major events, issues, movements, leaders, and groups of people of the United States through Reconstruction from a national and Alabama perspective.

UNITED STATES HISTORY—11

230022	ADVANCED PLACEMENT US HISTORY 11
230019	US HISTORY FROM 1877 TO THE PRESENT

US History: 1877 to the Present offers a comprehensive study of critical issues and events in modern United States history. Students are involved in a chronological study of major events, issues, movements, and leaders of the United States through the present from both a national and an Alabama perspective.

UNITED STATES GOVERNMENT AND ECONOMICS—12

230047	ADVANCED PLACEMENT US GOVERNMENT/ECONOMICS
230041	US GOVERNMENT/ECONOMICS

US Government and Economics focuses on the origins, structure, and functions of government at all levels in the nation and also includes a study of the importance of decision making by the government and individuals and basic microeconomic and macroeconomic concepts.

SOCIAL STUDIES—ELECTIVES

230071	PSYCHOLOGY	(10-12)
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Psychology provides students with an overview of the history of the subject (ancient and modern) and touches upon the many branches of the discipline of psychology.

Fee for course is \$10.

230091	BIBLE AND ITS INFLUENCE	(10-12)
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This half-credit course is an academic study of selected narratives, characters, discourses, proverbs, and poetry from the Old Testament and a literary overview of the New Testament. This course also explores the characters, themes, and events of the Bible that are important to understanding literature and civilization.

230201	CONTEMPORARY ISSUES/CURRENT EVENTS	(10-12)
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This half-credit course is designed to acquaint students with current events of local, state, national, and international interest and allows students to acquire knowledge of key contemporary personalities and events that impact their lives.

Fee for course is \$10.

Note to students enrolling in Pre-AP/Honors/Advanced Placement level courses:

It is understood that Pre-AP/Honors/Advanced Placement courses require additional work inside and outside of the classroom including homework, outside reading assignments, projects, etc. Placement in Pre-AP/Honors/Advanced Placement level courses will be based on test scores, teacher recommendation, and/or previous course performance.

MATHEMATICS DEPARTMENT

Note to students enrolling in Pre-AP/Honors/Advanced Placement level courses:

It is understood that Pre-AP/Honors/Advanced Placement courses require additional work inside and outside of the classroom including homework, outside reading assignments, projects, etc. Placement in Pre-AP/Honors/Advanced Placement level courses will be based on EXPLORE/PLAN/ACT scores, teacher recommendation, and/or previous course performance.

210005 ALGEBRA I (9)

Algebra I builds on foundational mathematics content learned by students by expanding mathematics understanding to provide students with a strong mathematics education. Content is designed to engage students in a variety of mathematical experiences that include the use of reasoning and problem-solving skills, which may be applied to life situations beyond the classroom setting.

Prerequisite
Criteria include EXPLORE scores, previous mathematics grades, and teacher recommendation.

210010 GEOMETRY (9-10)
210011 HONORS GEOMETRY (9-10)

Geometry topics include parallel lines and planes, triangles, polygons, construction of figures, circles, coordinate geometry, and transformations. Emphasis is placed on logical reasoning.

Prerequisites
Algebra I

210015 ALGEBRAIC CONNECTIONS (11-12)

Algebraic Connections provides students with a bridge to courses beyond the level of Algebra 1 and Geometry and to the mathematical empowerment needed to make responsible financial economic decisions. It is designed for students who need additional mathematical experiences prior to enrollment in additional math courses.

Prerequisites
Algebra I and Geometry. No student may take Algebraic Connections without instructor approval.

210017 ALGEBRA II WITH TRIGONOMETRY (10-12)
210017aa HONORS ALGEBRA II WITH TRIGONOMETRY (10-12)

Algebra II with Trigonometry focuses on problem solving skills that use a variety of methods to foster a deeper understanding of the content area. A brief review of Algebra I topics is followed by an in-depth study of linear, quadratic, and higher degree equations. Functions are emphasized and an introduction to basic trigonometric functions is included.

Prerequisites
Algebra I and Geometry

210020 HONORS PRECALCULUS (11-12)

Honors Precalculus is designed with a strong emphasis on reinforcement of the basic concepts of the college preparatory mathematics. This course includes graphing concepts (including polar graphs), trigonometry, complex numbers, conic sections, limits, and elementary derivatives. The use of calculators is encouraged in order that students may concentrate on higher-level thinking skills.

Prerequisite
C or above average in Algebra II with Trigonometry

210036 ALGEBRA WITH FINANCE (12)

Algebra with Finance is a college and career preparatory course that integrates algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life—including investing, banking, insurance, mortgages, taxes, budgeting, and planning for retirement.

Prerequisite
Successful completion of three mathematics courses.

210027 ADVANCED PLACEMENT STATISTICS (11-12)

AP Statistics is an introductory college statistics course, typically required for business, social science and health science majors. Science, engineering and mathematics majors usually take an upper-level calculus-based course in statistics, for which the AP Statistics course is effective preparation.

Prerequisite
Algebra II. There is no fee, but the student is strongly urged to buy a TI-84 graphing calculator

210025 ADVANCED PLACEMENT CALCULUS (12)

AP Calculus is a college-level mathematics course with emphasis on applications of mathematical concepts. The use of graphing calculators is mandatory in order to develop higher-level thinking skills. This course includes limits, continuity, derivatives, integrals, and logarithmic and exponential functions.

Prerequisite
Honors PreCalculus. There is no fee, but the student is strongly urged to buy a TI-84 graphing calculator

SHS MATHEMATICS COURSE PROGRESSION—CLASS OF 2016	
Standard Diploma	Advanced Diploma
Algebra I	Algebra I
Geometry	Geometry/Honors Geometry
Algebraic Connections	Algebra II/Honors Algebra II
Algebra II or Algebra with Finance	Honors Precalculus or AP Statistics AP Statistics or AP Calculus

SHS MATHEMATICS COURSE PROGRESSION—CLASS OF 2017, 2018, & 2019	
College, Career, Community Concentration	Honors Concentration
Algebra I	Honors Algebra I <u>or</u> Algebra I
Geometry	Honors Geometry
Algebraic Connections	Honors Algebra II
Algebra II or Algebra with Finance	Honors Precalculus or AP Statistics AP Calculus or AP Statistics

SCIENCE DEPARTMENT

220011	BIOLOGY	(9)
220012	PRE-AP BIOLOGY	(9)

Biology is the core science for all first-year science students. It includes the study of the structure and function of living systems, diversity of adaptation, heredity and reproduction, and an organism and its environment. Biology is a laboratory-based course which includes dissections of organisms.

Fee for Pre-AP Biology is \$10

220061	CHEMISTRY	(11-12)
220062	PRE-AP CHEMISTRY	(10-12)

Chemistry is the study of the concepts associated with the structure, forms, changes, availability, and uses of matter and energy.

Fee for Pre-AP Chemistry is \$20

220071	PHYSICS	(11-12)
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Physics addresses the properties of physical matter, physical quantities, and their relationships. It is the study of motion, force, energy, heat, light, sound, fluids, electricity, magnetism, and fundamental particles. Students should develop the ability to think critically, to make intelligent decisions, and to solve practical problems related to matter and energy. Experimentation, use of instrumentation, and real-world applications will be emphasized.

Fee for course is \$20

220064	ADVANCED PLACEMENT CHEMISTRY	(11-12)
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AP Chemistry covers the curriculum associated with a college level Chemistry program. The overall expectations of the course are aimed at preparing students to take the Advanced Placement examination at the end of the year. This course requires extensive laboratory work, with detailed formal lab reports.

Prerequisite

Pre-AP Chemistry. Criteria may include EXPLORE/PLAN scores, previous science grades, and teacher recommendation.

Fee for course is \$20

220014	ADVANCED PLACEMENT BIOLOGY	(11-12)
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AP Biology covers the curriculum associated with a college level Biology program. The course involves extensive reading and study outside of normal class time. The overall expectations of the course are aimed at preparing students to take the Advanced Placement examination at the end of the year. This course requires extensive laboratory work with detailed formal lab reports and may require summer reading.

Prerequisite

Criteria may include EXPLORE/PLAN scores, previous science grades, and teacher recommendation.

Fee for course is \$20

Note to students enrolling in Pre-AP/Honors/Advanced Placement level courses:

It is understood that Pre-AP/Honors/Advanced Placement courses require additional work inside and outside of the classroom including homework, outside reading assignments, projects, etc. Placement in Pre-AP/Honors/Advanced Placement level courses will be based on EXPLORE/PLAN/ACT scores, teacher recommendation, and/or previous course performance.

SHS SCIENCE COURSE PROGRESSION—CLASS OF 2016

Standard Diploma

Biology
Anatomy & Physiology
Chemistry/Environmental Science or Botany/Zoology
Physics/ Chemistry/Environmental Science/
Physical Science /Botany/Zoology/Earth &
Space Science

Advanced Diploma

Biology/Honors Biology
Anatomy & Physiology
Chemistry or Pre-AP Chemistry
Physics or AP Biology or AP Chemistry

SHS SCIENCE COURSE PROGRESSION—CLASS OF 2017, 2018, & 2019

College, Career, Community Concentration

Biology
Anatomy & Physiology
Chemistry/Environmental Science or Botany/Zoology
Physics/ Chemistry/Environmental Science/
Physical Science /Botany/Zoology/Earth &
Space Science

Honors Concentration

Pre-AP Biology
Pre-AP Chemistry
AP Chemistry
AP Biology

SCIENCE—ELECTIVES

220026	ANATOMY AND PHYSIOLOGY	(10-12)
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Anatomy and Physiology is a course regarding the structure and function of the human body. It is designed especially for students who are interested in pursuing careers in the medical and allied health fields. Dissection, histological studies, and physiology are featured laboratory experiences.

Prerequisite

Biology

Fee for course is \$20

220029	ENVIRONMENTAL SCIENCE	(10-12)
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Environmental Science is an interdisciplinary introduction to the study of how nature works. It is a combination of physical science, biology, geology, chemistry and social science. It also includes the economic, political and ethical impact on the environment. Topics for study include ecosystems, populations, agriculture, pollution, pest control and natural resources.

Prerequisite

Biology

Fee for course is \$20

220081	EARTH & SPACE SCIENCE	(10-12)
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Earth and Space Science introduces students to an advanced study of sources of energy, weather patterns, and climate. This course also introduces students to the study of the universe such as theories of the origin and formation of the universe, as well as, a study of our solar system and space travel.

Prerequisite

Biology

Fee for course is \$20

220051	PHYSICAL SCIENCE	(12)
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Physical Science emphasizes the study of the properties and changes in matter, interactions of energy and matter, and forces and motions. Laboratory investigations, practical problem solving, and the use of technology are an integral part of the course. The class will provide a firm foundation for scientific literacy and for the pursuit of subsequent science courses.

Prerequisite

Biology

Fee for course is \$20

CAREER AND TECHNICAL EDUCATION DEPARTMENT

Career and Technical Education programs are focused on preparing students for life after high school and provides students with life skills which prepare them for transitions to two- and four-year institutions and the workforce. Participation in student organizations (FBLA, FCCLA, and HOSA) is highly encouraged since involvement is an integral part of classroom lessons and instruction.

BUSINESS MANAGEMENT & ADMINISTRATION CLUSTER

400025	CAREER PREPAREDNESS	(9-12)
400027	CAREER PREPAREDNESS B	(9-12)

Career Preparedness focuses on three integral areas of instruction—academic planning and career development, financial literacy, and technology. As part of preparing students to be college and career-ready, this course also equips students with the skills needed for business and industry, continuing education, and life-long learning.

Required course for graduation and serves a prerequisite for other business/marketing courses.

Fee for course is \$10 or two 500-count reams of copy paper

450031	BUSINESS TECH APPLICATIONS—ADVANCED	(9-12)
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Advanced Business Technology Applications provides students with the opportunity to learn more in-depth techniques used in Microsoft applications. This course will prepare students for the opportunity to obtain a certification that is recognized in business/industry and provides students with a marketable employment skill.

Prerequisite
Business Technology Applications or Career Preparedness

Fee for course is \$20

470012	ACCOUNTING	(10-12)
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Accounting provides a comprehensive introduction to basic financial accounting, including analyzing and recording business transactions, preparing and interpreting financial statements, demonstrating generally accepted accounting principles, and performing banking and payroll activities.

Prerequisite
Business Technology Applications or Career Preparedness

Fee for course is \$20

520008	COMPUTER SCIENCE PRINCIPLES	(10-12)
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Computer Science Principles is a course designed to introduce students to the central ideas of computing and computer science, to instill ideas and practices of computational thinking, and to have students engage in hands-on activities that show how computing changes the world.

Prerequisite
Business Technology Applications or Career Preparedness

Fee for course is \$20

470011	BANKING AND FINANCIAL SERVICES	(11-12)
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Banking and Financial Services is designed to help students develop skills related to banking services as they train to work as interns at the credit union.

Prerequisite
Business Finance, satisfactory teacher recommendations, and application process

450007	BUSINESS ESSENTIALS	(9-12)
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Business Essentials helps students develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in business careers.

Prerequisite
Business Technology Applications or Career Preparedness

Fee for course is \$20

410017	DIGITAL DESIGN	(11-12)
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Digital Design is a course designed to provide students with experience and instruction in digital photography and graphic design. This course focuses on the ability to utilize digital equipment and multimedia digital imaging software, produce various media projects, and develop print publication layouts.

Prerequisite
Multimedia Design

Fee for course is \$20

400017	ENTREPRENEURSHIP	(10-12)
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Entrepreneurship is designed to provide students with the skills needed to effectively organize, develop, create, and manage a business. This course includes business management and entrepreneurship, communication and interpersonal skills, economics, and professional development foundations. Instructional strategies may include the development of a business plan, a school-based enterprise, computer and technology applications, real and simulated occupational experiences, or projects related to business ownership.

Fee for course is \$20

410016	MULTIMEDIA DESIGN	(9-12)
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Multimedia Design provides students with hands-on skills involving presentations, graphic design, digital photography, web publishing, and digital video production. Students use various resources for integrating skills to create a variety of print and web publications.

Prerequisite
Business Technology Applications or Career Preparedness

Fee for course is \$20

410019	MULTIMEDIA PUBLICATIONS/JOURNALISM	(10-12)
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Multimedia Publications is designed to provide students with the ability to utilize digital equipment and multimedia digital imaging software, produce interactive media projects, and develop publication layouts. Students use various hardware peripherals as well as the Internet for integrating skills to create a variety of publications, including yearbook, school newspaper, website, and video production.

Prerequisite
Business Technology Applications

Fee for course is \$20

HEALTH SCIENCE CLUSTER

490007	FOUNDATIONS OF HEALTH SCIENCE	(9-12)
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Foundations of Health Science introduces students to a wide range of health careers. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. This course is the prerequisite for all the health science courses. It is recommended for students who want to prepare for further study in an array of health-related fields at the postsecondary level.

Fee for course is \$20

490027 PATIENT CARE TECHNICIAN (10-12)

Patient Care Technician is a course that provides students the opportunity to become effective and efficient multi-skilled healthcare providers.

Prerequisite
Foundations of Health Science

Fee for course is \$20

490023 THERAPEUTIC SERVICES (10-12)

Therapeutic Services is designed to inform students of the rapid changes in business and industry through a rigorous array of coursework and work-based experiences that prepare them for advanced learning and a wide range of health career opportunities. Students are introduced to careers in therapeutic services including, nursing, medicine, physical therapist, surgical technologist, respiratory therapist, emergency medical technician, and others.

Prerequisite
Foundations of Health Science

Fee for course is \$20

HUMAN SERVICES CLUSTER

510004 FAMILY AND CONSUMER SCIENCES (9-12)

Family and Consumer Sciences is a foundation course for all other courses in family and consumer sciences and is designed to assist students in recognizing the roles, responsibilities, and importance of the family. Course content provides opportunities for students to explore characteristics of strong families; family customs and traditions; healthy relationships; marriage readiness; parenting issues; consumer behavior; clothing, housing, and food needs throughout the life span; effects of technology on the family; and career options related to family and consumer sciences and human services.

Fee for course is \$20

510014 DIETETICS (10-12)

Dietetics provides students with advanced knowledge and skills used in nutrition and dietetics. Major topics include nutrition, meal planning, safety, food science, and professional behavior.

Fee for course is \$20

510017 SPORTS NUTRITION (10-12)

Sports Nutrition is designed for students who are interested in healthcare careers in fitness and sports performance. This course examines the relationship between nutrition, physical performance, and overall wellness.

Fee for course is \$20

510016 FOOD INNOVATIONS & MEDIA (10-12)

Food Innovations & Media introduces students to the process of developing new food products for marketing, adapting traditional food products to meet specific nutrition and marketing needs, consume trends in sales and marketing, and the impact of technology on the food industry. Students explore global food systems; examine trends in food processing and food innovations; research influences on purchasing behavior of consumers; develop and analyze recipes for new food products through experimental food labs; apply social media and digital design techniques; journalism skills; and explore career options in this specific food industry.

Fee for course is \$20

Alabama Career Clusters and Pathways for Career and Technical Education



MANUFACTURING AND STEM CLUSTER

560015 PLTW—INTRODUCTION TO ENGINEERING DESIGN (10-12)

Introduction to Engineering Design allows students to dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

Prerequisite
Algebra I

Fee for course is \$20

560016 PLTW—PRINCIPLES OF ENGINEERING (11-12)

Principles of Engineering engages and challenges students to explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Prerequisite
Introduction to Engineering Design

Fee for course is \$20

MANUFACTURING TECHNOLOGY (DUAL ENROLLMENT—TECHNICAL)

540004	INTRODUCTION TO MANUFACTURING TECHNOLOGY MSP 101—BASIC MACHINING TECHNOLOGY AUT 102—MANUFACTURING FUNDAMENTALS
540031	INTRODUCTION TO ROBOTICS AUT 116—INTRODUCTION TO ROBOTICS AUT 212—ROBOTICS OPERATION & PROGRAMMING
430058	INTRODUCTION TO ELECTRICITY FUNDAMENTALS ILT 160—DC FUNDAMENTALS ILT 117—CONSTRUCTION WIRING
540061	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS AUT 114—INTRODUCTION TO PLC AUT 219—PLC APPLICATIONS

Manufacturing Technology provide students with the fundamental knowledge and skills needed in the manufacturing industry. Emphasis is placed on job safety, use of manufacturing materials, and manufacturing systems. Each of these courses serve as Dual Enrollment Credit with no tuition cost to the student.

Prerequisite

2.5 GPA, application required, Instructor approval

Fee for course is \$25

WORK-BASED LEARNING/INTERNSHIP EXPERIENCE

400033	COOPERATIVE EDUCATION	(11-12)
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Cooperative Education is an educational program that combines studies with paid, productive, supervised work experiences in fields related to the students' career objectives. Students get the best of both worlds—a high quality high school education and an impressive resumé of practical work experience.

Prerequisite

Completion of two courses within a CTE program, application required, instructor approval

490013	HEALTH SCIENCE INTERNSHIP	(11-12)
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Health Science Internship provides students with the knowledge and skills necessary for becoming a health care worker or for preparing students for postsecondary health care education programs. Theory and laboratory components comprise at least ten percent of the course. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facility.

Prerequisite

Completion of Foundations of Health Science, 3.0 GPA, application required, instructor approval

802208an	SENIOR PROJECT—Aggie VOLS/Internship	(11-12)
802208am	SENIOR PROJECT—TeachTech4Kids	(11-12)
802208as	SENIOR PROJECT—Digital Design II	(11-12)
802208at	SENIOR PROJECT—Aggie Radio	(11-12)

Senior Project provides an opportunity for students to choose an area of interest, explore that area in depth, and demonstrate problem-solving, decision-making, and independent learning skills. At the conclusion of the project the students will present or demonstrate knowledge gained to an audience consisting of the coordinating teacher, academic teachers, the product or process mentor, peers, and/or community and business representatives.

Prerequisite

Completion of two courses within a CTE program, 2.75 GPA, instructor approval

FOREIGN LANGUAGE DEPARTMENT

270153	SPANISH I	(9-12)
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This course will introduce the students to the Spanish language and culture. It provides a foundation in listening, speaking, reading and writing in the target language. Greatest emphasis is placed on listening and speaking along with the basic grammatical structures, which will make communication possible. Students will also be introduced to basic facts about the Hispanic world along with a review of related geography. Extensive memorization will be required at each level of language learning.

270154	SPANISH II	(10-12)
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Spanish II is a continuation and refinement of the skills learned in Spanish I. It completes the basic survey of Spanish grammar begun in the first year. Listening and speaking practice continues along with greater emphasis on reading and writing. Grammar concepts are studied in depth and practiced. Study of the various aspects of Hispanic culture and geography continues. Extensive memorization will be required at each level of language learning.

Prerequisite

Spanish I

270155	SPANISH III	(11-12)
270156	SPANISH IV	(11-12)

In Spanish III and Spanish IV, students continue to develop their communicative competence by interacting orally and in writing with other Spanish speakers, understand oral and written messages in Spanish and making oral and written presentations in Spanish. They communicate on a variety of topics at a level commensurate with their study, using more complex structures in Spanish and moving from concrete to more abstract concepts through literature. They comprehend the main ideas of the authentic materials that they listen to and read and are able to identify significant details when the topics are familiar. Students develop the ability to discuss in Spanish topics related to historical and contemporary events and issues.

Prerequisite

Spanish II

FINE ARTS DEPARTMENT

280093	VISUAL ART I	(9-12)
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Visual Art I is a foundation course which includes basic drawing, color study, basic printing techniques, various projects, and art appreciation.

Fee for course is \$20

280094	VISUAL ART II	(10-12)
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Visual Art II is a course where students learn a about a variety of mediums and art techniques to add skills to your artistic pallet by studying different artists and styles of art. Students will experiment with the following mediums, drawing (charcoal, pencil, color pencil, oil pastels, pen and ink) painting (watercolor and Acrylic) ceramics, printmaking (lino-prints), and paper mache.

Fee for course is \$20

280095	VISUAL ART III	(11-12)
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Visual Art III is an advanced course which directs students toward skill proficiency and dynamics in individual expression, artistic presentation, and portfolio development. Students are able to communicate concepts and intentions through manipulation of subject matter, organizational components, media, and processes.

Fee for course is \$20

280071	THEATRE I	(9-12)
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Theatre I students study the vocal, hands-on, emotional, analytical, and academic elements of theatrical training. They begin to examine more completely dramatic structure and the overall acting process, including the collaborative nature of all communication skills.

Fee for course is \$20

280072	THEATRE II	(10-12)
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Theatre II continues study in vocal, hands-on, emotional, analytical, and academic elements of theatrical training. They begin to examine more completely dramatic structure and the overall acting process, including the collaborative nature of all communication skills.

Prerequisite

Theatre I and/or Musical Theatre

Fee for course is \$20 and responsible for purchase of required costume, up to \$100

280060 MUSICAL THEATRE (10-12)

Musical Theatre includes the study of scene analysis, musical and dramatic rehearsal techniques, and audition preparation using materials from the musical theatre repertory. Works in this genre are viewed and performed from a variety of styles.

Prerequisite

Theatre I and/or Vocal Chorus or instructor approval.

Fee for course is \$20 and responsible for purchase of required costume, up to \$100

280039 INTRODUCTION TO INSTRUMENTAL MUSIC (9-12)

Introduction to Instrumental Music helps student develop habits of mind that foster growth as collaborators in the making of art. Students receive training and practice in instrumental technique, musicianship, and individual musical expression. They also receive the opportunity to continually develop their musical literacy. In musical ensembles students rehearse and perform, listen and respond, improvise, and regularly reflect and articulate their understanding of music. Guitar instruction/performance will be a focus of this course.

Fee for course is \$20

SHS MARCHING AGGIE BAND (9-12)

- 280031 MARCHING BAND**
- 280033 SYMPHONIC BAND**
- 280035 PERCUSSION ENSEMBLE**

This courses are designed for all instrumentalists in the band program. It entails the study of concert/symphonic music for band and the performance of this music. It includes all of the brass, woodwind, and percussion instrumentalists in the band program. This is the top-performing group in the instrumental program. This course also includes membership in the marching band in the appropriate season. In addition to attending summer camp, marching band participation will include after school rehearsals, performances on Friday nights during football season, and some weekend marching competitions. Marching band includes members of the symphonic band, combined with the auxiliary units of colorguard and majorettes.

280051 VOCAL CHORUS (9-12)

Vocal Chorus is the foundation of vocal music study and focuses on correct vocal technique, music theory, sight-sighting, ear-training, music terminology, music history, and the rehearsal and performance of music from a wide variety of musical styles and historical time periods.

Fee for course is TBD and responsible for formal performance attire

280053aa VOCAL WOMEN'S CHORALE (9-12)

Vocal Women's Chorale is a performing ensemble open to women in grades 9-12 by audition only. Students study correct vocal technique, music theory, sight-sighting, ear-training, music terminology, music history, and the rehearsal and performance of music from a wide variety of musical styles and historical time periods. Students perform at various choral events.

Prerequisite

Audition and/or instructor approval

Fee for course is TBD and responsible for formal performance attire

280055 VOCAL SHOW CHOIR (9-12)

Vocal Show Choir perform concert literature as well as their competition show music. Additional evening and weekend rehearsals will take place throughout the school year. Students perform at various choral events.

Prerequisite

Audition and/or instructor approval

Fee for course is TBD and responsible for formal performance attire

PHYSICAL EDUCATION/ATHLETICS/DRIVERS' EDUCATION/HEALTH

240002 LIFE PHYSICAL EDUCATION (9-12)

LIFE Physical Education is a required course where students learn to apply various aspects of fitness to go along with their own fitness level. Components of fitness can be applied in more than one way, including rhythms, individual and dual sports activities, team sports, and leisure activities. Each student will be required to dress out in the following clothing: red shirt, red shorts, and gym shoes. The cost of uniforms will be \$20.00. All students will be assigned a gym locker, and students must provide a combination lock.

250002 HEALTH (10)

Health is a required course which introduces the student to basic facts, descriptions, and accounts of a wide variety of health issues. Students will learn the importance and development of good personal health.

290001 DRIVERS EDUCATION (10)

Driver and traffic education is offered as an elective course for students entering the tenth grade, when the majority of students are eligible to obtain their learner license. One-half credit is obtained for successfully completing the course. The goals of driver's education are to teach fundamental rules of the road and to give beginning drivers actual behind-the-wheel experience.

Fee for driver's education is \$20.

802208 ATHLETICS (9-12)

- ATHLETICS—GIRLS STRENGTH AND CONDITIONING**
- ATHLETICS—FOOTBALL-FALL**
- ATHLETICS—FOOTBALL-SPRING**
- ATHLETICS—FOOTBALL-9-FALL**
- ATHLETICS—FOOTBALL-9-SPRING**
- ATHLETICS—CHEERLEADING**
- ATHLETICS—BASKETBALL-FALL**
- ATHLETICS—BASKETBALL-SPRING**
- ATHLETICS—SOCCER**
- ATHLETICS—GOLF**
- ATHLETICS—BASEBALL**

The purpose of athletics is for conditioning and drilling in fundamentals for sports. A student taking this class should be a participant in a varsity AHSAA-sanctioned sport. All athletes should talk with their coaches for input on taking athletics for one or both semesters.

240003 TOURNAMENT SPORTS (10-12)

Tournament Sports is physical education elective in which students participate in various activities and sports in a tournament-style setting. Students will learn of the various types of brackets that are used for different types of tournaments. Students will create a bracket for class participation and then compete individually and in teams for that activity. This class is a physical activity class in which the students will be required to participate.

OTHER ELECTIVES

- 802206 LIBRARY SCIENCE (10-12)**
- 802206 OFFICE ASSISTANT (10-12)**
- 802206 TEACHER ASSISTANT (10-12)**

Office assistants and teacher assistants are given the opportunity to provide a valuable service to the school staff and student body through their work in the office or with a classroom teacher and gain valuable experience learning the many aspects of the school environment.

Prerequisite

Submission of application, successful completion of Business Essentials

ACCESS ELECTIVES

ACCESS: Alabama Connecting Classrooms, Educators, and Students Statewide

Sylacauga High School offers online courses to all students through the Alabama State Department of Education ACCESS Distance Learning Program. Students use ACCESS courses for scheduling conflicts, taking a course not offered face to face, making up a missed credit or trying a different style of learning. Students also take ACCESS courses to improve technology skills. Courses are taught by certified teachers through an online course module where assignments, online texts and messages are posted. Students access the online courses in a computer lab during the assigned block in their school day schedule. Each computer lab is monitored by an ACCESS facilitator daily to assist students. Students considering ACCESS courses need to have a good work ethic and should also be comfortable using a computer and working on the Internet. Students will find a complete course listing below and must include the name of the course on their course selection form.

802209aa ACCESS—WEB-BASED (9-12)

Foreign Languages

French I (1)

French II (1)

French III (1)

German I (1)

German II (1)

German III (1)

Latin I (1)

Latin II (1)

Latin III (1)

Mandarin Chinese I (1)

Mandarin Chinese II (1)

AP Spanish (1)

Electives

Arts Survey (½)

Global Studies (1)

Journalism (½)

Workforce Essentials (1)

Comp. Programming BASIC I (½)

Reading (½)

Sociology (½)

AP Psychology (1)

AP Art History (1)

802209af DUAL ENROLLMENT – DUAL CREDIT CLASSES

Sylacauga High School has established a Dual Enrollment Program, which allows students to earn both high school and college credit.

TO BE ELIGIBLE:

- Be in the Grades 10-12
- Have a B average in completed high school courses.
- Have written approval from counselor or principal to participate.
- Complete enrollment procedures and pay tuition.
- Pass class and receive college credit as well as high school credit.

ARTICULATION AGREEMENT

Articulation is a signed agreement for certain high school classes between SHS and Alabama post-secondary institutions allowing students in grades 10-12 to receive college credit while in high school. The following courses are currently articulated:

SHS Course	Credit	Postsecondary Course
Entrepreneurship	3	ACT 104-Intro to Business
Business Technology Applications	3	CIS 149-Intro to Computers CLR 101-Beginning Keyboarding OAD 103-Intermediate Keyboarding CLR 104-Advanced Keyboarding OAD 110-Computer Navigation CLR 125/OAD 125-Word Processing
Business Technology Applications and Business Tech Applications—Advanced	3	CIS 111-Word Processing Software CIS 113-Spreadsheet Software CIS 115-Presentation Software
Accounting	3	OAD 135-Financial Record Keeping

SPECIAL ACADEMIC PROGRAMS AND INFORMATION

ADVANCED PLACEMENT PROGRAM

The Advanced Placement program is sponsored by the College Board, a non-profit organization dedicated to preparing, inspiring and connecting students to college. SHS offers seven Advanced Placement courses with the intent of challenging our students and to better prepare them for college. Each May, students take the appropriate AP Exam, that measures their knowledge in the areas they study during the year.

One advantage of taking an AP course is that it allows the student to experience the rigors of a college-level course in the more supportive high school environment. It allows students to remain in the high school setting rather than commuting to a college campus. Credits achieved through the AP program will also be less expensive than typical college tuition. It also provides students with an opportunity to build advanced study skills necessary for success at the college level. Any student who is planning on attending a four-year university are encouraged to take at least one AP course in high school.

AP course grades are weighted to reflect the increased levels of rigor, work load, and expectations as compared to traditional high school classes. GPAs are calculated at the end of each course term. Students must take the AP Exam in order to receive the additional quality point for their grade point averages. If a student does not take the exam or if they drop the course they will not receive any additional quality points added to their grade point averages.

GRADE POINT AVERAGES

The grading system at Sylacauga High School is based on a 4.0 grade point average with the exception of Pre-AP/Honors/Advanced Placement courses. All grades that a student earns are included in computing student GPAs. The number of quality points used for computing GPAs can be found in the table below:

Regular Academic Courses	Pre-AP/Honors Courses	Advanced Placement Courses
A—4 Quality Points	A—4.5 Quality Points	A—5 Quality Points
B—3 Quality Points	B—3.5 Quality Points	B—4 Quality Points
C—2 Quality Points	C—2.5 Quality Points	C—3 Quality Points
D—1 Quality Point	D—1.5 Quality Points	D—2 Quality Point

NCAA ACADEMIC-ELIGIBILITY REQUIREMENTS

www.ncaa.org

DIVISION I

If you enroll in a Division I college in 2010 or later and want to participate in athletics or receive an athletics scholarship, you must meet the following academic standards:

- Graduate from high school;
- Complete the 16 core courses listed below;
- Present a minimum 2.0 required grade-point average in your core courses; and
- Achieve a combined SAT or ACT sum score that matches your core-course grade-point average and test score index (see counselor for information or visit www.eligibilitycenter.org).

16 REQUIRED CORE COURSES

- Four years of English;
- Three years of mathematics (Algebra I or higher level);
- Two years of natural or physical science (including one year of lab science if offered by your high school);
- One extra year of English, mathematics or natural/physical science;
- Two years of social science; and
- Four years of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy).

NOTE: Computer science courses can be used only if your high school grants graduation credit in mathematics or natural/physical science and the courses appear on your high school's core-course list as a math or science course. You will be a non-qualifier if you do not meet the academic requirements listed above. As a non-qualifier, you:

- May not participate in athletics competition or practice during your first year in college;
- May receive financial aid based only on need (no athletics-based financial aid) in your first year in college; and
- May play only three seasons (to earn a fourth season you must earn 80% of your degree before your fifth year of college).

DIVISION II

Requirements differ in that you must complete 14 core courses including three years of English and three years of extra courses.

EXTRA-CURRICULAR AND CLUB OPPORTUNITIES

ART CLUB

Contact: Mindy Buckley

FAMILY CAREER AND COMMUNITY LEADERS OF AMERICA (FCCLA)

Contact: Patricia Bailey

FELLOWSHIP OF CHRISTIAN ATHLETES (FCA)

Contact: Jeff Steers

FOCUS PROGRAM

Contact: Christie Caine, Tyler Laye, Melissa Lewis

FUTURE BUSINESS LEADERS OF AMERICA (FBLA)

Contact: Tyler Laye, Allyson Craddock, Christie Caine, Pam McTier, Sean Stevens

HOSA--FUTURE HEALTH PROFESSIONALS

Contact: Lisa McGrady

INTERACT

Contact: Patrick Harris

INTERCLUB COUNCIL

Contact: Libby Renn

JUNIOR SCHOLASTIC SOCIETY (JSS)

Contact: Chad Littleton

KEY CLUB

Contact: Rachel Miller

LIBRARY CLUB

Contact: Frances Dates

MU ALPHA THETA (MATH HONORARY SOCIETY)

Contact: Lorrie Forbus

NATIONAL HONOR SOCIETY (NHS)

Contact: Julie Hughes

RED CROSS CLUB

Contact: Lorrie Forbus, Ardis Gillespie

S-CLUB

Contact: John Blackmon

SPANISH CLUB

Contact: Alba McEwen

STUDENT COUNCIL

Contact: Natalie Hubbard, Lane Sanders

4-H

Contact: Robby Richardson, Lisa McGrady

SPORTS

BASEBALL

Contact: Mike Gibbs, Robby Richardson, Marty Turner, Patrick Harris

BASKETBALL

Contact: Will Copeland, Joel Jones, Derrick Crawford, Dewayne Jackson, Richard Coleman

CHEERLEADERS--VARSITY AND JUNIOR VARSITY

Contact: Christie Caine, Barbara Murphree

DIAMOND DOLLS

Contact: Mike Gibbs

FISHING CLUB

Contact: Cameron Gillespie, Marty Turner

FOOTBALL—VARSITY, JUNIOR VARSITY, AND 9TH GRADE

Contact: Matt Griffith, Derrick Crawford, Robby Richardson, Matt Zedaker, Jeff Steers, John Blackmon, Marty Turner, Richard Coleman

GOLF

Contact: Greg Lane

SOCCER

Contact: Matt Zedaker, Billy Faircloth, Paul Lynch

SOFTBALL

Contact: Olivia Harmon, Jay Brooks

TENNIS

Contact: Cindy Cleveland

TRACK AND FIELD

Contact: Jeff Steers, Derrick Crawford

VOLLEYBALL

Contact: Sean Stevens, Becky Porch, Patrick Harris, Tina Fleaman



SYLACAUGA HIGH SCHOOL REQUIRED COURSE SELECTION GUIDE 2015-2016

Grade 12

Grade 11

Grade 10

Grade 9

English

200020 AP English 12
200017 English 12

200016 AP English 11
200013 English 11

200010 Pre-AP English 10
200009 English 10

200006 Pre-AP English 9
200005 English 9

Social Studies

230047 AP US Govt/Econ
230041 Govt/Econ

230022 AP US History 11
230019 US History from 1877

230017 AP US History 10
230016 US History to 1877

230014 Honors World History
230013 World History from 1500

Math

210025 AP Calculus AB
210020 Honors Precalculus
210027 AP Statistics
210017 Algebra II with Trig
210036 Algebra with Finance

210020 Honors Precalculus
210017 Honors Algebra II
210017 Algebra II with Trig
210015 Algebraic Connections
210027 AP Statistics

210011 Honors Geometry
210010 Geometry
210017 Honors Algebra II with Trig
210017 Algebra II with Trig

210005 Algebra I
210011 Honors Geometry
210010 Geometry

Science

220074 AP Physics B
220014 AP Biology
220071 Physics
220026 Anatomy and Physiology
220029 Environmental Science
220081 Earth & Space Science
220051 Physical Science

220064 AP Chemistry
220061 Chemistry
220026 Anatomy and Physiology
220029 Environmental Science
220081 Earth & Space Science

220062 Pre-AP Chemistry
220026 Anatomy and Physiology
220029 Environmental Science
220081 Earth & Space Science

220012 Pre-AP Biology
220011 Biology

Career Preparedness

400025 Career Preparedness (9-12)

400027 Career Preparedness B (9-12)

Fine Arts

280093 Visual Art I (9-12)
280094 Visual Art II (10-12)
280095 Visual Art III (11-12)
280039 Introduction to Instrumental Music (9-12)
280071 Theatre I (9-12)
280072 Theatre II (10-12)

280031 Marching Band (9-12)
280033 Symphonic Band (9-12)
280035 Percussion Ensemble (9-12)
280051 Vocal Chorus (9-12)
280053 Vocal Women's Chorale (9-12)
280060 Musical Theatre (10-12)
280055 Vocal Show Choir (9-12)

Physical Education

240002 LIFE Physical Education
240003 Tournament Sports
802208 Athletics—Basketball-Fall
802208 Athletics—Football-Fall
802208 Athletics—Football-9-Fall
802208 Athletics—Football-9-Spring
802208 Athletics—Cheerleading

250002 Health
802208 Athletics—Girls Strength and Conditioning
802208 Athletics—Basketball-Spring
802208 Athletics—Football-Spring
802208 Athletics—Golf
802208 Athletics—Baseball
802208 Athletics—Soccer

Career and Technical Education

Business Management & Administration

470012 Accounting (10-12)
520008 Computer Science Principles (10-12)
470011 Banking & Financial Serv. (11-12)
450007 Business Essentials (10-12)
450031 Business Tech Apps—Adv (9-12)
410017 Digital Design (11-12)
400017 Entrepreneurship (10-12)
410016 Multimedia Design (9-12)
410019 Multimedia Publications (11-12)

Health Science

490007 Found of Health Science (9-12)
490027 Patient Care Technician (10-12)
490023 Therapeutic Services (10-12)
490013 Health Science Internship (11-12)

Human Services

510004 Family & Consumer Sciences (9-12)
510014 Dietetics (10-12)
510016 Food Innovations & Media (10-12)
510017 Sports Nutrition (10-12)

Manufacturing & STEM

540004 Intro to Manufacturing Tech (10-12)
540031 Intro to Robotics (10-12)
540012 Intro to Electricity (10-12)
540061 Intro to PLC (10-12)
560015 PLTW-Intro to Engineering Design (10-12)
560016 PLTW-Principles of Engineering (11-12)

400033 Cooperative Education (11-12)
802208an Senior Project—Aggie VOLS/Interns (11-12)
802208am Senior Project—TeachTech4Kids (11-12)
802208at Senior Project—Aggie Radio (10-12)
802208as Senior Project—Digital Design II (11-12)

Foreign Language

270153 Spanish I (9-12)
270154 Spanish II (10-12)

270155 Spanish III (11-12)
270156 Spanish IV (11-12)

Electives

802206 Library Science (10-12)
802206 Office Assistant (10-12)
802209 ACCESS—Web-Based (10-12)
200033 Creative Writing (10-12)
200036 Creative Writing II (11-12)
230091 Bible and Its Influence (10-12)

290001 Drivers Education (10-12)
802206 Teacher Assistant (10-12)
230071 Psychology (10-12)
230201 Contemporary Issues/Current Events (10-12)
200045 Speech/Debate (10-12)