

# **HIGH SCHOOL COURSE CATALOG AND DIPLOMA OPTION GUIDE**

*PIKE COUNTY BOARD OF EDUCATION*

*www.pikecountyschools.com*

*1.334.566.1850*

**PIKE COUNTY HIGH SCHOOL**

*Brundidge, Alabama*

**GOSHEN HIGH SCHOOL**

*Goshen, Alabama*

**BANKS SCHOOL**

*Banks, Alabama*

---

**DR. MARK BAZZELL, SUPERINTENDENT**  
**Pike County Schools**

*Spring 2009*

---

## **FORWARD**

The purpose of this document is to inform students, parents, faculty, business and industry, and community representatives of the goals, objectives, and requirements of the Pike County School System's high school instructional program. This guide is published by the school system's Secondary Instructional Committee (SIC).

Academic planning based on the future needs and goals of the student is a must. Parental involvement is required. Therefore, careful examination of this document jointly by parents and students is expected and necessary if each student is to take full advantage of the opportunities available through the Pike County School System. The development of graduates who contribute to society and the communities of which they are a part is our goal. We hope this document provides the information necessary to meet this objective.

---

### **Non-discrimination Policy Statement**

It is the official policy of the Pike County Board of Education that no person shall, on the grounds of race, color, disability, sex, religion, national origin, or age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program, activity, or employment. For further information, contact Mrs. Karen Berry, 504 Compliance Coordinator, Title VI Coordinator, and Title IX Coordinator, at 1-334-566-1850, between the hours of 8:00 AM and 4:30 PM, Monday through Friday.

**HIGH SCHOOL  
DIPLOMA AND CERTIFICATE OPTIONS**

**FIRST CHOICE ACADEMIC REQUIREMENTS:**  
**Effective for Students**  
**Entering Pike County Schools as**  
**9<sup>th</sup> Graders in August 2009**

**ALABAMA'S**  
**FIRST CHOICE**

**ALABAMA HIGH SCHOOL DIPLOMA**  
**MINIMUM ACADEMIC CORE REQUIREMENTS**  
**FOR ADVANCED ACADEMIC ENDORSEMENT**

GRADE 9	GRADE 10	GRADE 11	GRADE 12
2133 H Eng 9	2143 H Eng 10	2153 H Eng 11	2163 H Eng 12
2231 World Hist/Geo.	2241 US History I	2251 US History II	2261 GovEc
2343 H Biology	2331 Physical Science	2354 H. Chemistry	2361 Physics Or 2362 Anatomy Or 2363 Forensic Science Or 2364 AP Biology
2431 Algebra I	2441 Geometry	2451 Algebra II/Trig	2461 PreCal. Or 2462 Alg III w Stats Or

**ADDITIONAL REQUIREMENTS:**

FOREIGN LANGUAGE (2) UNITS (RECOMMENDED 9<sup>TH</sup> & 10<sup>TH</sup> GRADE)

2500/2525 PHYSICAL EDUCATION (1) UNIT (RECOMMENDED 9<sup>TH</sup> GRADE)

2501 HEALTH 1 UNIT (RECOMMENDED 10<sup>TH</sup> GRADE)

FINE ARTS (1) UNIT - MUST BE ACQUIRED THROUGH A MUSIC RELATED OR VISUAL ARTS ELECTIVE. (RECOMMENDED 10<sup>TH</sup> OR 11<sup>TH</sup> GRADE)

DOCUMENTATION OF COMPUTER LITERACY, 60 HOURS COMMUNITY SERVICE, PASS ONE COURSE VIA DISTANCE LEARNING METHOD, AND **PASS ALL SECTIONS OF THE ALABAMA HIGH SCHOOL GRADUATION EXAM.**

**UNIT SUMMARY:**

TOTAL ACADEMIC UNITS REQUIRED:	21 UNITS
TOTAL ELECTIVE UNITS REQUIRED:	9 UNITS
<b>TOTAL ALL UNITS REQUIRED :</b>	<b>30 UNITS</b>
TOTAL UNITS AVAILABLE:	32 UNITS

## **SPECIAL NOTICE CONCERNING GRADE REQUIREMENTS FOR STUDENTS SEEKING ALL ADVANCED ACADEMIC ENDORSEMENTS**

- **Students must successfully pass all core academic courses (English, mathematics, science, social studies, and foreign language) with a grade of “C” or better for the unit to count toward advanced credit.**
- **Also, students must pass with a “C” or better in order to proceed to the next course in the advanced academic sequence in a particular subject area.**
- **Students who score below a “C” have two options.**

### **Option 1:**

**The student may re-take the course under the course substitution rule. In this case, the course may be repeated. If the student scores above a “C”, this course will count toward advanced credit. The substituted course, if passing, but below a “C” will be converted to elective credit.**

### **Option 2:**

**The student may choose to have the course count for credit toward “The Alabama High School Diploma” OR “Alabama High School Credit Based Diploma.” In this case, students should consider carefully their final diploma choice selections. It is possible that it will be necessary for students (with parent permission) to change their diploma option.**

**ALTERNATIVE LEARNING CENTER:** The ALC is not a regular school. The ALC does not offer Career Technical Courses, Advanced Courses, or a wide range of electives. Alternative Schools exist as an alternative to expulsion when students have made poor decisions that would have otherwise resulted in their complete and total removal from school. Alternative Schools are not required by law to provide an exact duplication of the services offered at the home school. A school district which offers such an opportunity is one that has made a conscious decision to help children who would otherwise have no educational opportunity. As such, a student’s long term assignment to ALC may prevent the student from earning one or more of the endorsements available to other students.

# ALABAMA HIGH SCHOOL DIPLOMA

## MINIMUM CORE ACADEMIC REQUIREMENTS

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
2131 English	2141 English	2151 English	2161 English
2231 World Hist/Geo.	2241 US History I	2251 US History II	2261 GovEc
2341 General Biology	2331 Physical Science	2351 Chemistry	2371 EnvSc.
2431 Algebra I	2441 Geometry	2443 Algebraic Conn.	2444 Algebra II

### **ADDITIONAL REQUIREMENTS:**

2500/2525 PHYSICAL EDUCATION (1) UNIT (RECOMMENDED 9<sup>TH</sup> GRADE)

2502 HEALTH 1 UNIT (RECOMMENDED 10<sup>TH</sup> GRADE)

FINE ARTS (1) UNIT - MUST BE ACQUIRED THROUGH A MUSIC RELATED OR VISUAL ARTS ELECTIVE. (RECOMMENDED 10<sup>TH</sup> OR 11<sup>TH</sup> GRADE)

ONE CAREER TECHNICAL EDUCATION COURSE, DOCUMENTATION OF COMPUTER LITERACY, 60 HOURS COMMUNITY SERVICE, PASS ONE COURSE VIA DISTANCE LEARNING METHOD, AND **PASS ALL SECTIONS OF THE ALABAMA HIGH SCHOOL GRADUATION EXAM.**

### UNIT SUMMARY:

TOTAL ACADEMIC UNITS REQUIRED:	19 UNITS
TOTAL ELECTIVE UNITS REQUIRED:	11 UNITS
<b>TOTAL ALL UNITS REQUIRED:</b>	<b>30 UNITS</b>
TOTAL UNITS AVAILABLE:	32 UNITS

# ALABAMA HIGH SCHOOL CREDIT BASED DIPLOMA

## MINIMUM CORE ACADEMIC REQUIREMENTS

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
2132 English	2141 English	2151 English	2161 English
2231 World Hist/Geo.	2241 US History I	2251 US History II	2261 GovEc
2341 General Biology	2331 Physical Science	2351 Chemistry	2371 EnvSc.
2431 Algebra I	2441 Geometry	2443 Algebraic Conn.	2444 Algebra II

### **ADDITIONAL REQUIREMENTS:**

2500/2525 PHYSICAL EDUCATION (1) UNIT (RECOMMENDED 9<sup>TH</sup> GRADE)  
2503 HEALTH 1 UNIT (RECOMMENDED 10<sup>TH</sup> GRADE)  
FINE ARTS (1) UNIT - MUST BE ACQUIRED THROUGH A MUSIC RELATED OR VISUAL ARTS ELECTIVE. (RECOMMENDED 10<sup>TH</sup> OR 11<sup>TH</sup> GRADE)  
ONE CAREER TECHNICAL EDUCATION COURSE, DOCUMENTATION OF COMPUTER LITERACY, 60 HOURS COMMUNITY SERVICE, PASS ONE COURSE VIA DISTANCE LEARNING, AND **PASS THE READING, MATH AND AT LEAST ONE MORE SECTION OF THE ALABAMA HIGH SCHOOL GRADUATION EXAM.**

### UNIT SUMMARY:

TOTAL ACADEMIC UNITS REQUIRED:	19 UNITS
TOTAL ELECTIVE UNITS REQUIRED:	11 UNITS
<b>TOTAL ALL UNITS REQUIRED:</b>	<b>30 UNITS</b>
TOTAL UNITS AVAILABLE:	32 UNITS

# OCCUPATIONAL DIPLOMA

## MINIMUM ACADEMIC AND OCCUPATIONAL REQUIREMENTS

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
2911 Emp Eng	2911 Emp Eng	2911 Emp Eng	2911 Emp Eng
2921 Career/SS	2921 Career/SS	2921 Career/SS	2921 Career/SS
2931 LS Sci/Con	2931 LS Sci/Con	2931 LS Sci/Con	2931 LS Sci/Con
2941 Essent/Alg Exp	2941 Essent/Alg Exp	2941 Essent/Alg Exp	2941 Essent/Alg Exp
	Career Tech. Course	Career Tech. Course	Coordinated Studies

### **ADDITIONAL REQUIREMENTS:**

2500/2525 PHYSICAL EDUCATION (1) (RECOMMENDED 9<sup>TH</sup> GRADE)

2503 HEALTH

FINE ARTS (1) UNIT – MUST BE ACQUIRED THROUGH A MUSIC RELATED OR VISUAL ARTS ELECTIVE. (RECOMMENDED 10<sup>TH</sup> OR 11<sup>TH</sup> GRADE)

CAREER/TECHNICAL COURSES (2) UNITS. COORDINATED STUDIES (1) UNIT. 270 HOURS OF PAID WORK EXPERIENCE REQUIRED THROUGH COORDINATED STUDIES.

DOCUMENTATION OF COMPUTER LITERACY, 60 HOURS COMMUNITY SERVICE.

TOTAL ACADEMIC UNITS REQUIRED:	22 UNITS
TOTAL ELECTIVE UNITS REQUIRED:	8 UNITS
<b>TOTAL ALL UNITS REQUIRED:</b>	<b>30 UNITS</b>
TOTAL UNITS AVAILABLE:	32 UNITS

IT IS RECOMMENDED THAT ALL STUDENTS SEEKING AN OCCUPATIONAL DIPLOMA PARTICIPATE IN A SHADOWING, SERVICE LEARNING, MENTORING, OR APPROVED UN-PAID WORK EXPERIENCE PROGRAM. OCCUPATIONAL CERTIFICATION ENCOURAGED.

**THE OCCUPATIONAL DIPLOMA OPTION IS AVAILABLE TO SPECIAL PROGRAM STUDENTS ONLY. THE OCCUPATIONAL DIPLOMA DOES NOT MEET THE GENERAL ACADEMIC REQUIREMENTS FOR ACCEPTANCE TO MOST POST-SECONDARY INSTITUTIONS. STUDENTS MUST PASS ALL UNIT REQUIREMENTS AND MEET ALL IEP GOALS PRIOR TO PARTICIPATION IN COMMENCEMENT CEREMONIES.**

# CERTIFICATE OF ATTENDANCE

## MINIMUM PROGRAM REQUIREMENTS

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
2913 ENG – 3	2913 ENG – 3	2913 ENG – 3	2913 ENG –3
2943 MATH – 3	2943 MATH – 3	2943 MATH – 3	2943 MATH – 3
2933 SCIENCE-3	2933 SCIENCE-3	2933 SCIENCE-3	2933 SCIENCE-3
2963 SOCIAL STUDIES-3	2963 SOCIAL STUDIES-3	2963 SOCIAL STUDIES-3	2963 SOCIAL STUDIES-3
2500/2525 PHY. EDUC.			

### **RECOMMENDED:**

2964 JOB SKILLS OR 2964 JOB SKILLS 2968 TRANS/WK OR 2968 TRANS/WK  
2966 TRANSITION OR 2966 TRANSITION

STUDENTS WHOSE **IEP TEAM** DETERMINES THAT THE STUDENT IS TO TRANSITION AND/ OR TRANSITION TO WORK DURING THEIR JUNIOR AND SENIOR YEARS MAY AS DIRECTED BY THE **IEP TEAM** HAVE DESIGNATED ACADEMIC UNIT REQUIREMENTS WAIVED. HOWEVER, THE STUDENTS MUST BE QUALIFIED FOR VOCATIONAL REHABILITATION SERVICES AND MUST PARTICIPATE IN JOB PLACEMENT WITH THE SCHOOLS SYSTEM'S JOB COACH.

REQUIRED UNITS: 17 UNITS  
ELECTIVE UNITS: 13 UNITS  
**TOTAL UNITS: 30 UNITS**  
TOTAL UNITS AVAILABLE: 32 UNITS

**THE CERTIFICATE OF ATTENDANCE OPTION IS AVAILABLE TO SPECIAL PROGRAM STUDENTS ONLY. THE CERTIFICATE OF ATTENDANCE DOES NOT MEET THE GENERAL ACADEMIC REQUIREMENTS FOR ACCEPTANCE TO POST-SECONDARY INSTITUTIONS.**

---

**SPECIAL NOTICE CONCERNING DIPLOMAS AND CERTIFICATES: Beginning with the Class of 2013:**

**SUMMARY OF DIPLOMA AND CERTIFICATE OPTIONS**

- 1. Alabama High School Diploma with Academy Endorsement** **All Students**

*Meet Advanced Academic Endorsement core academic requirements, pass all sections of AHSGE, and complete Academy program.*
- 2. Alabama High School Diploma with Advanced Academic Endorsement** **All Students**

*Meet Advanced Academic Endorsement core academic requirements, pass all sections of AHSGE.*
- 3. Alabama High School Diploma with Advanced Career Technical Education Endorsement** **All Students**

*Meet Advanced Academic Endorsement core academic requirements, pass all sections of AHSGE, and achieve status of completer in career technical education program.*
- 4. Alabama High School Diploma with Career Technical Education Endorsement** **All Students**

*Meet Alabama High School Diploma core academic requirements, pass all sections of AHSGE, and achieve status of completer in career technical education program.*
- 5. Alabama High School Diploma** **All Students**

*Meet Alabama High School Diploma core academic requirements and pass all sections of AHSGE.*
- 6. Alabama High School Diploma with Credit Based Endorsement** **All Students**

*Meet Alabama High School Diploma core academic requirements and pass Reading, Math and at least one other section of AHSGE. Available first time Spring 2009.*

7. **Alabama Occupational Diploma**

**Special  
Program  
Students  
Only**

8. **Certificate of Attendance**

**Special  
Program  
Students  
Only**

**STUDENTS MAY NOT PARTICIPATE IN SENIOR  
ACTIVITIES INCLUDING COMMENCEMENT  
CEREMONIES UNLESS THESE STANDARDS HAVE  
BEEN MET IN FULL!**

# **Pike County School System**

## **Community Service Endorsement**

The Pike County School System Community Service Endorsement is offered to encourage Pike County students to make meaningful connections and enrich the lives of others by performing service for their community without receiving any external reward or financial benefit.

Community service is defined as volunteer service above and beyond normal or routine service at an event that benefits a community or its institutions. The awarding of this endorsement involves students volunteering service to non-profit agencies, the public sector, and educational institutions. Approval from a designated school official/administrator and parent/guardian is required prior to each project selected by the student.

In order to receive the Pike County Community Service Endorsement, the following requirements must be met:

- 60 community service hours earned in grades 9-12.
- At least 30 of the 60 hours must be served in the larger community outside of the school.
- The student must have parent/guardian permission and counselor approval before engaging in each service activity.
- An adult in a supervisory position must verify service hours by signing the log sheet. Parents, friends and relatives may not verify community service hours.
- There can be no financial payment for community service.
- No credit will be given for work with a profit-making organization.
- No credit will be awarded for court-ordered service.
- Class time may not be used for community service.
- Volunteering to work for family or a family business is not acceptable as community service.
- Athletic participation is not acceptable as community service.
- Band, choir, and Jr. ROTC performances are not acceptable as community service.
- Service club meetings and conferences (e.g. Key Club, SGA) will not count toward community service; only service itself will be counted.
- No more than eight hours per day may be awarded per service activity (ex. Volunteering to work at camps that extend beyond one day)
- Unverified community service hours will not be counted.
- Students are expected to report community service accurately and honestly. Community service hours will be checked randomly, and any student who misrepresents hours or signatures will forfeit this endorsement.

The counseling department will accept community service completed throughout the summer months. In order to receive this endorsement, the requirements must be met by seniors and approved by the counselor by the end of the first semester of the student's graduating year.

# VALEDICTORIAN, SALUTATORIAN, AND HONOR GRADUATES

As Directed by Board Policy 5.23

The following criteria are established by the Pike County Board of Education for determining students eligible for valedictorian, salutatorian, and honor graduates in the high schools within the school system.

1. The valedictorian and salutatorian shall be selected from students pursuing the Advanced Academic Endorsement Diploma Options. The student must meet all requirements of the Advanced Academic Endorsement Diploma Option, including passing all sections of the Alabama High School Graduation Examination by January 31<sup>st</sup> of the senior year.
2. The valedictorian and the salutatorian of the senior class must have been enrolled in the same school for four (4) consecutive semesters prior to the second term of their senior year (excluding summer sessions). In the senior year, final grade point averages will be calculated at the midterm of the second semester of the senior year to determine valedictorian and salutatorian. Therefore, all students, including transfer students, must meet the following standards of attendance in order to be eligible for valedictorian or salutatorian:
3. Any non credit course shall not be used in calculating rankings. Letter grades for office and teacher aides will be reported. No numerical grades will be assigned to aides. However, aides will earn no credit or weight for the class.
4. If letter grades are present on a transfer student's transcript, the student must have the respective school(s) attended submit the grades in numerical form. If school officials of the school attended by the student cannot or will not convert the letter grades to numerical grades, the letter grades will be transposed to numerical grades as follows:

A+=99	B+=89	C+=79	D+=69	F=59 and below
A =95	B =85	C =75	D =65	
A- =90	B- =80	C- =70	D- =60	
5. The valedictorian of the senior class of each high school shall be the student who obtains the highest numeric, weighted grade point average.
6. The salutatorian of the senior class of each high school shall be the student who obtains the second highest numeric, weighted grade point average.
7. Final grade point averages for valedictorian and salutatorian will be rounded to five (5) places after the decimal.
8. The top five grade point averages will be calculated by hand to insure accuracy and will be submitted to the Valedictorian/Salutatorian Committee to verify.

9. Should two students have the exact same grade point average, they will share the designation of valedictorian or salutatorian.

10. Classes will be weighted using the following scale:

1.50 Global Studies/Advanced Placement Courses

1.25 Academy Core Courses

1.00 Honors Courses

## **HONOR GRADUATES**

1. Students in the twelfth grade are eligible for honor graduate recognition.

2. Honor graduates will be selected from those students who are pursuing one of the Advanced Academic Endorsement Diploma Options. Honor graduates shall be the ten (10) students with the 10 highest weighted, numerical grade point averages of those on the Advanced Academic Endorsement Diploma Option.

3. Honor graduates must meet all requirements of the Advanced Academic Endorsement Diploma Option, including passing all sections of the Alabama High School Graduation Examination by January 31<sup>st</sup> of the senior year.

4. Honor graduates must be enrolled at the same school for two consecutive semesters prior to the second term of their senior year, excluding summer sessions.

## **ADDITIONAL INFORMATION**

1. The Valedictorian/Salutatorian Committee will be comprised of the school principal, counselor, and a faculty department chairperson (to serve on a rotating basis). The committee will verify transcripts and give final approval for valedictorian, salutatorian, and honor graduates to be announced no later than the last day of March of each school year. The principal is the only person who may release ranking information.

2. The school principal and counselor will insure all student grades are accurate and posted to the school's data management system and that all data fields are properly configured to produce accurate transcript labels.

3. Any extraordinary situation or circumstance that may arise will be resolved by the school principal in consultation with the Superintendent.

# PROMOTIONAL CRITERIA

## GRADES SEVEN (7<sup>TH</sup>) AND EIGHT (8<sup>TH</sup>):

Students in grades 7 and 8 must meet the following criteria in order to advance to the next grade.

- Pass all core academic courses; including English, mathematics, social studies, and science each year
- Pass six of eight courses scheduled during the school year.

## GRADES NINE (9<sup>TH</sup>) THROUGH TWELVE (12<sup>TH</sup>):

Students in grades 9 through 12 must meet the following criteria in order to advance to the next grade.

- Pass all core academic course; including English, mathematics, social studies, and science each year
- Exit ninth (9<sup>th</sup>) grade                      Pass    7 units
- Exit tenth (10<sup>th</sup>) grade                      Pass    15 units
- Exit eleventh (11<sup>th</sup>) grade                      Pass    22 units
- Exit twelfth (12<sup>th</sup>) grade\*                      Pass    30 units

\*No student may exit 12<sup>th</sup> grade, participate in commencement, or otherwise be considered a graduate or certificate holder from the Pike County School System except upon completion of one of the previously described Diploma or Certificate Options.

Promotion from Grade Level to Grade Level may occur mid-year in order to accommodate eligibility for Alabama High School Graduation Exam testing. However, students must meet promotional criteria prior to promotion and prior to taking the AHSGE. All Alabama State Department of Education guidelines must be followed.

# **Computer Literacy**

**All students must demonstrate minimum Computer Literacy skills prior to graduation.**

**Validation must occur using one of the three methods listed below:**

- 1. K-8 Computer Literacy Portfolio**
- 2. Achieving passing score on system Computer Literacy Assessment**
- 3. Successful completion of Business Technology Applications course**

---

# COURSE DESCRIPTIONS

---

## CORE ACADEMIC COURSES:

### ENGLISH

#### **2131 English 9**

Students will develop grammatically correct writing and accurate vocabulary; utilize challenging texts that extend critical thinking skills; and master basic literary principles essential in writing responses to literature.

#### **2133 Honors English 9\***

Honors students will demonstrate higher level skills in reading, writing, vocabulary, grammar usage, critical thinking, and utilizing literary principles in compositions.

#### **2141 English 10**

Students will use media and computer technology, make dramatic presentations, and write formally and creatively; work cooperatively to emphasize usage, vocabulary, reading and writing skills, and critical thinking; apply study and research skills; and study American and world writings that relate to historical periods.

#### **2143 Honors English 10\***

Honors students will apply more extensive media and computer skills, develop dramatic presentations and compositions; exhibit stronger usage, vocabulary, reading, writing, and critical thinking skills; demonstrate study and research skills; and study American writing that relates to historical periods.

#### **2151 English 11**

Students will read from all American literary genres, discuss and write responses to ideas, characters, and authors' styles, and engage in career development activities. Students will make speeches, perform group editing, review films, and conduct research, using the Internet as a source.

### **2153 Honors English 11\***

Honors students will demonstrate higher level reading in American literature, discussions and compositions related to ideas, characters, and authors' styles, and projects in career development. Students will make impromptu speeches, perform group and peer editing, review films, and conduct research, using the Internet as a source.

### **2161 English 12**

Students will engage in critical listening, viewing, and reading activities designed to integrate the strands of the language arts and further develop thinking and problem-solving abilities. Students will improve skills in speaking, writing, presenting, and analyzing and evaluating British literature. Guidance in making career decisions, such as obtaining jobs, joining the military, or choosing university, technical and/or vocational training will be offered.

### **2163 Honors English 12\***

Honors students will participate in higher level activities in critical listening, viewing, and reading activities that combine the strands of the language arts and further develop thinking and problem-solving abilities. Speaking, writing, presenting, and analyzing and evaluating British literature will improve. Guidance in making career decisions, such as obtaining jobs, joining the military, or choosing university, technical and/or vocational training will be offered.

## **SOCIAL SCIENCE**

### **2231 World History and Geography Since 1500**

World History and Geography Since 1500 is the second part of a required social studies series. This course directs students to think critically about the various forces that combined to shape the world today. Emphasis will be placed on geographic impact, development of civic knowledge/responsibilities, and emerging economic systems within a chronological context.

### **2250 United States History and Geography: Beginnings to 1900**

United States History and Geography: Beginnings to 1900 covers the historic development of American ideas and institutions from the Age of Exploration to the present. While focusing on political and economic history, the standards provide students with a basic knowledge of American culture through a chronological survey of major issues, movements, people and events in United States and Alabama history.

### **2251 United States History and Geography: 1900 to the Present**

United States History and Geography: 1900 to the Present continues the study of United States History from the Tenth Grade course. The Eleventh Grade course focuses on twentieth century America and beyond. Knowledge and understanding gained during previous years of study provide the foundation for the critical analyses required in this course.

### **2254 Advanced Placement United States History\***

Advanced Placement United States History will include colonization of the United States to present day events. The views of prominent historians, major policies, and theoretical foundations of United States history will be emphasized. College credit may be earned.

### **2261 American Government and Principles of Economics**

American Government is a detailed study of the organization and function of government at all levels in the United States. Principles of Economics provides detailed knowledge of modern economic systems, particularly the American capitalist system. Students in these courses gain the knowledge and skills necessary for civic responsibility.

### **2264 Advanced Placement Government/Economics\***

Advanced Placement Government/Economics will include the study of American political ideology, constitutional roots of American government, and the evolution of civil rights and liberties in the United States. This course will include an analysis of contemporary American economic problems and the study of comparative economic systems. College credit may be earned.

## **SCIENCE**

### **2331 Physical Science**

A hands-on laboratory course incorporating chemistry and physics fundamentals to develop science literacy. Practical problem solving, use of technology and scientific application of knowledge and processes will be applied to real world questions. This course will provide a firm foundation for science literacy, as well as, other science courses.

**2341 General Biology**

This course includes scientific knowledge emphasizing an in-depth study of the strands of diversity, heredity, cells and interdependence of organisms. This course continues to develop science processes and scientific applications as significant parts of the content. This course will provide links between biology and other disciplines. Emphasis will be placed on active investigations and analysis of ideas.

**2343 Honors Biology\***

College preparatory course emphasizing more in-depth studies of the strands of diversity, heredity, cells and interdependence of organisms. This course will develop science processes and scientific applications as significant parts of the content. This course will provide links between biology and other disciplines. Emphasis will be placed on active investigations and analysis of ideas.

**2351 Chemistry**

This course provides a fundamental understanding of the most basic chemistry concepts associated with the structure, forms, changes, availability and uses of matter and energy. A variety of experimentation, technical applications and instrumentation will be used to encourage critical thinking. The use of basic chemical concepts and strategies will be used to analyze real world problems.

**2354 Honors Chemistry\***

A college preparatory course that emphasizes the structure of matter, chemical kinetics, solution chemistry and laboratory techniques.

**2361 Physics\***

This course consists of the studies of motion, force, energy, heat, light, sound, fluids, electricity, magnetism, atomic structure, nuclear properties and applications. Students will develop the ability to think critically, to make intelligent decisions and to solve problems related to matter and energy. Students should have completed geometry or be currently enrolled in geometry.

**2362 Anatomy and Physiology\***

This course is a lab-based, comprehensive study of the human body. This course will cover atomic and molecular structure, cells, tissues, organs and organ systems. Dissection is required. Chemistry should be taken prior to this course.

### **2363 Forensic Science\***

This course involves the analysis of evidence collection, the decomposition process, crime scenes, skeletal remains, and toxicology. Students should apply critical thinking skills and further use of inquiry methods to solve problems. Students should complete biology and chemistry prior to enrollment in the class. Instructor and parental permission is required.

### **2364 Advanced Placement Biology\***

This course is designed to be a second level biology. Studies include evolutionary history, DNA and RNA, immunology, microbiology and advanced genetics.

### **2371 Environmental Science**

This course involves study which correlates human interaction with environmental systems. Studies include the transfer of matter and energy through biological systems. Students should recognize the impact of diversity of organisms and how they affect the dynamic equilibrium of ecosystems.

## **MATHEMATICS**

### **2431 Algebra I**

This course is a formal, in-depth study of algebraic concepts and the real number system. Simplifying expressions and solving equations and inequalities are a major part of the course. Topics studied include: function concepts, graphing linear equations, and applying formulas to find perimeter, area, volume, circumference, distance, midpoint, and slope. Solving and graphing systems of equations and solving quadratic and absolute value equations are explored.

### **2441 Geometry**

This course provides experiences that increase student's understanding of shapes and properties with an emphasis on the use of geometry in practical tasks, recreations, sciences, and the arts. Exploratory development of concepts related to two- and three-dimensional figures is integral to the course. Constructing, drawing, measuring, and modeling are used to further the understanding of properties of geometric figures and to represent problem situations.

**2451 Algebra II with Trigonometry\***

This course continues the Algebra I curriculum with a more in-depth study of quadratic equations, functions, and graphing systems of equations and inequalities. Trigonometry, sequences and series, complex numbers, exponential and logarithmic functions, matrices, and graphing conic sections are introduced.

**2461 Pre-Calculus (Advanced Mathematics)\***

This course provides an in-depth study of topics introduced in Algebra I, Geometry, and Algebra II. Identifying and graphing several types of functions and determining the effects of parameter changes on functions are studied throughout the course. Logarithmic, exponential, rational, and trigonometric functions, conic sections, complex numbers, and matrices are explored further. Polynomial theory, determining limits, derivatives, maximum and minimum values, and exploring area underneath a curve are introduced.

**2443 Algebraic Connections**

**2444 Algebra II**

**2464 AP Calculus (ACCESS)\***

**2262 Algebra III with Statistics\***

**See SDE course definitions.**

**\* = weighted courses**

## **Non-Core Courses:**

# **HEALTH, PHYSICAL EDUCATION AND DRIVERS EDUCATION**

### **2500/2525 Physical Education**

The physical education program provides the student with the opportunity to enhance physical well-being, acquire motor skills, knowledge, and attitudes, which can be utilized throughout life. Students will receive instruction in cardiovascular fitness training, as well as a team and/or an individual sport. Students will also take part in the President's Challenge Fitness Test, where the results are compared with nationally set standards.

### **2501 Health**

The focus of Health Education is to offer students opportunities to apply health-related knowledge to personal life. The student will understand basic concepts of wellness in all areas of health including physical, mental, and social aspects of health education.

### **2503 Drivers Education**

Safe driving theory, in class study; driving hazards. Behind-the-wheel experience; safety practices; basic first aide.

### **2510-2511 Advanced Physical Education I & II**

Prerequisite: Instructor's approval

This is designed for the young man/woman who seeks to improve his/her physical appearance and fitness. Basic skills of weightlifting, running, jogging, and other physical conditioning techniques will be taught and progression will be on an individual basis. Weightlifting for strength and endurance, calisthenics, flexibility and agility are the primary objectives of this course.

### **2514-2515 Conditioning and Healthy Living I & II**

The purpose of this course is to provide the prospective student with the skills needed to organize, conduct, and evaluate conditioning and healthy living for a middle and high school level. Emphasis is on the development of skin fold measurements, cardio respiratory endurance, flexibility, muscular strength and endurance, body composition, and health-related fitness.

# **ELECTIVE COURSE DESCRIPTIONS**

## **PERFORMING & FINE ARTS**

### **2701 Art I**

An introductory study of visual art through the four-step process: history, production, criticism, aesthetics, presenting a variety of media techniques and artists. Emphasis is placed on art development through the understanding and application of the elements and principles of design.

### **2702 Art II**

Successful completion of Art I is a pre-requisite. Art II includes a more in-depth study of production, history, criticism, and aesthetics. Emphasis is placed on the quality and breadth of experience with exploration into more complex and varied media production.

### **2703-2704 Advanced Art I & II**

Successful completion of Art I and II is a prerequisite. Advanced Art offers the more serious art student an opportunity of more in-depth concentration and development in various media and the preparation of a portfolio for admission into a college-level art program. Emphasis is placed on personal style and ability and the breadth of production experience.

### **2705 Art Appreciation (9-12) (ACCESS)**

Art Appreciation is a survey of art from prehistory to the 20<sup>th</sup> Century. It offers the opportunity to view the “why” and “how” art helped record and change the world, as well as those artists who made the greatest impact. Students will have the opportunity to view and discuss art on location when possible.

### **2708 AP Art History (9-12) ACCESS**

### **2720-2721 Madrigals I & II**

Madrigals is the premier vocal ensemble of the choral department. Prerequisites for this course include Chorus I and Chorus II. Admittance into Madrigals will be based on audition. Performance will serve as the primary focus of this ensemble. The Madrigals class, through performance, will continue to learn important musical and vocal skills through the use of advanced musical literature.

**2723 Chorus I**

Chorus I is designed to provide an opportunity for students to have an intellectually and emotionally satisfying musical experience through the use of the singing voice. Emphasis is placed on basic vocal techniques.

**2724 Chorus II**

Successful completion of Chorus I is a prerequisite for Chorus II. It is a continuation in the skills learned in Chorus I with greater emphasis on performance.

**2725 Beginning Band**

The Beginning Band course is designed for students interested in instrumental music. The course will include training skills, preparatory work, and technical facility development. Music aptitude test required. Instruments will be assigned (no previous training in music required).

**2726 Intermediate Band**

Prerequisite course – Beginning Band

The Intermediate Band course is a continuation of Beginning Band. Student work will include phrasing, individual technique, and sound production.

**2727 Marching Band**

The Marching Band is a performance-oriented class involving music development, marching, and maneuvering. Prerequisites – successful completion of Beginning and Intermediate Band. This course allows for the development of music-related groups such as Flag Corps and Majorette Corps. Auditions are required. After-school practices are also required.

**2728 Concert Band**

The concert Band is a performance-oriented class of experienced players. This course focuses on tone production, sight-reading skills, ear training, intonation, and technical facility. Successful completion of Beginning and Intermediate Band is required.

**2733 Music Appreciation (9-12) (ACCESS)**

Instruction in this class is designed to assist in the acquisition of musical knowledge and the demonstration of the value of music in various aspects of life. This class will broaden student's musical tastes and provide varied experiences that lead to an increased appreciation of music.

### **2706 Beginning Dance**

Basic dance instruction is provided in the following areas: lyrical, hip-hop, tap, and ballet. Students must meet dress requirements and must be willing to make public performances.

### **2707 Intermediate/Advanced Dance**

Intermediate and Advanced instruction provided in the following areas: lyrical, hip-hop, tap, and ballet. Students must meet dress requirements and must be willing to make public performances.

## **SOCIAL SCIENCES**

### **2270 Contemporary World Affairs (9-12)**

Contemporary World Affairs focuses on the study of national and international affairs. The course will include the use of mass media in the study of contemporary issues and problems.

### **2271 Speech and Debate**

The Speech and Debate course allows students the opportunity to develop critical thinking skills through presentation of original informative and persuasive speeches. Students will also learn to make logical and coherent arguments for or against various human concerns in debate format.

### **2372 Psychology (ACCESS)**

Psychology allows students an opportunity for scientific study and interpretation of human behavior. It includes interpersonal communication to enhance physical, social, mental, and emotional health, which aid in the ability to resolve conflicts.

## **LANGUAGE ARTS**

### **2062 English/Second Language (First Term)**

Students will develop vocabulary, grammar, pronunciation, and reading skills. This course is designed to assist students whose primary language is not English.

### **2063 English/Second Language (Second Term)**

Students will develop vocabulary, grammar, pronunciation, and reading skills. This course is designed to assist students whose primary language is not English.

**2170 Creative Writing (ACCESS)**

The Creative Writing elective offers students a medium through which to write in various genres, including poetry, short story, narrative, and drama. Emphasis will be placed on an understanding and analysis of multiple authors and styles and the creation of original work for examination and publication.

**2171 Journalism I**

The broad scope of journalism studies emphasizes knowledge of current events, analysis of print and non-print media, development of interviewing skills, and organization of coherent writing in various journalistic forms. Students will demonstrate these abilities by meeting appropriate deadlines for a variety of school publications.

**2172 Journalism II**

Multimedia Journalism studies is an extension of the regular journalism class. By building on basic interviewing and reporting skills, students will focus on production of media through photography and radio and television broadcasting.

**2173 Drama**

Drama studies will emphasize analysis and criticism of various literary forms. Students will also focus on creating and performing in various genres, including oral interpretation, impromptu, Reader's Theatre, and traditional play acting.

**2174 Advanced Literature (Grades 11-12)\***

Students will engage in extensive readings and analysis of various forms of literature.

**2175 Southern Writers**

Students will read various works and explore prevalent themes of major southern authors.

**2176 Intermediate Literature (Grades 9-10)**

Students will engage in readings of various forms of literature.

**2273-2274 Annual Staff I & II**

Students will be responsible for the production of the school annual. This will include ad sales and lay-out. Students will work under the supervision of a faculty member. Students must be willing to participate in outside of class activities/work sessions in order to meet deadlines.

# **FOREIGN LANGUAGES**

## **2730 Spanish I\***

Level I provides students with opportunities to communicate at a basic level, to develop insights into cultures other than their own, to understand their own language and culture better, to access knowledge from other disciplines using the target language, and to participate more fully in the global community.

## **2731 Spanish II\***

Successful completion of the Level I course is a prerequisite. Level II represents a progression in terms of students' facility in handling more complex elements of communication, broadening insights into other cultures as well as their own, and enhancing the connections they make with other disciplines as well as the connections they make with the community and with the world.

## **2732 Spanish III\***

Successful completion of the Level II course is a prerequisite. Level III represents a progression of vocabulary and grammar skills in real-life situations on a one-to-one basis in the target language.

## **2740 Latin I\***

Latin I provides an introduction to basic pronunciation, vocabulary, and translation. Emphasis is placed on reading, grammar, culture, mythology, and its effects on the Western world throughout history.

## **2741 Latin II\***

Successful completion of Level I is a prerequisite. Level II includes a review of Level I skills. It continues with a more intense study of grammar, reading, culture, and mythology with some representative samples from Caesar and Catullus.

## **2742 Latin III\***

Successful completion of Level II is a prerequisite. Level III includes a review of Level II skills, continues into the study of vocabulary, grammar, culture, history, and literature, such as Virgil and Ovid, as well as exposure to Latin as the link to modern languages through music and literature.

## **2750 ACCESS Foreign Language I\***

## **2751 ACCESS Foreign Language I\***

## **OTHER ELECTIVES**

### **2800-2801 JROTC**

The JROTC program is designed to motivate young people to be better Americans. Sequential levels of instruction pertaining to leadership, first aid, citizenship, communication skills, physical training, drill, drug awareness, military history, map reading, marksmanship, consumer education and life skills in general are conducted to promote the mission of the unit. There are four levels of instruction. A cadet must successfully complete the required hours of classes before he/she can advance to the next higher level. Instruction is provided using primarily the lecture method during the first three years. The fourth year is a self-taught, self-paced method of instruction using programmed texts containing case studies, vignettes, and practical exercises.

### **2802-2803 JROTC Staff**

This course is designed for the advanced JROTC cadet. Leadership opportunities are provided within the total program. Students must be willing to direct others while leading by example. JROTC staff members are responsible for total unit performance.

## **REMEDIAL COURSES: COURSES COUNT AS NON-CORE ELECTIVE CREDIT ONLY**

<b>2046-2047</b>	<b>SCIENCE I &amp; II</b>
<b>2048-2049</b>	<b>SOCIAL SCIENCE I &amp; II</b>
<b>2050-2051</b>	<b>LANGUAGE I &amp; II</b>
<b>2052-2053</b>	<b>MATHEMATICS I &amp; II</b>
<b>2054-2055</b>	<b>READING I &amp; II</b>
<b>2059</b>	<b>COLLEGE ENROLLMENT PREPARATION</b>

## **NON-CREDIT COURSES**

<b>2000</b>	<b>STUDENT ACTIVITIES</b>
<b>2001</b>	<b>TEACHER AIDE</b>
<b>2002</b>	<b>PRINCIPAL AIDE</b>
<b>2003</b>	<b>AP AIDE</b>
<b>2004</b>	<b>GUIDANCE AIDE</b>
<b>2005</b>	<b>LIBRARY AIDE</b>

Library skills development; card catalog; Dewey decimal system;  
Audiovisual equipment; filing

**NOTE: COURSES 2000-2005 ARE RESTRICTED TO JUNIOR AND SENIOR STUDENTS.**

Students may have only one aide assignment during the 11<sup>th</sup> and 12<sup>th</sup> grade and no more than one student may be assigned to any staff member at one time. This is a NON-CREDIT course!

**Specialized Academic Program**

**GLOBAL STUDIES ACADEMY: Troy University\***

- GS Courses Junior Year:

<u>COURSE NAME</u>	<u>TU COURSE #</u>	<u>COLLEGE CREDIT HRS.</u>	<u>PIKE COUNTY#</u>
English Composition	1101	3	<b>3154*</b>
English Composition	1102	3	<b>3164*</b>
US History	1111	3	<b>3254*</b>
US History	1112	3	<b>3255*</b>

- GS Courses Senior Year:

<u>COURSE NAME</u>	<u>TU COURSE #</u>	<u>COLLEGE CREDIT HRS.</u>	<u>PIKE COUNTY#</u>
Government	2241	3	<b>3264*</b>
World Literature	2205	3	<b>3155*</b>
Economics	2250	3	<b>3265*</b>
World Literature	2206	3	<b>3165*</b>

**TOTAL COLLEGE CREDIT** 24

---

**Tuition and Books paid; contact your school counselor for details.**

# ACADEMY PROGRAMS

## ACADEMY OF BUSINESS AND FINANCE: PIKE COUNTY HIGH SCHOOL

---

<b>Prerequisite Courses</b>	Personal Finance Accounting
<b>11th Grade</b>	1st Semester: Banking and Financial Services 2nd Semester: Advanced Accounting
<b>12th Grade</b>	1st Semester: Law in Society / Financial Planning and Services 2nd Semester: Management Principles / Commerce Communication

---

**3750 Personal Finance (Pre-requisite for Academy of Business & Finance, as well as a non-Academy Junior and Senior elective)**

Personal Finance introduces students to the management of personal and family resources to achieve personal goals and financial literacy.

**2619 Accounting (Pre-requisite for Academy of Business & Finance)**

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.

**3754 Banking and Financial Services (Junior Year - 1st Semester)**  
**Prerequisite: Personal Finance and Accounting**

Banking and Financial Services is a course designed to help students develop skills related to banking and related services as they process customer transactions, maintain cash drawer, process documents, and respond to customer requests to provide other customer services.

**2627 Advanced Accounting (Junior Year—2nd Semester)**  
**Prerequisite: Banking and Financial Services**

Advanced Accounting is a course designed to provide students with an increased emphasis on accounting principles and techniques for solving business problems and making financial decisions.

**3753 Law in Society Financial Planning and Services**

**Prerequisite: Advanced Accounting**

Law in Society is a course designed to acquaint students with the basic legal principles common to business and personal activities in criminal, civil, contract, and consumer law. Financial Planning and Services discusses financial planning and its importance in helping people reach their life goals. It describes how to set personal financial goals and a budget, as well as the factors that shape them.

**3752 Management Principles / Commerce Communication**

**Prerequisite: Law in Society / Financial Planning and Services**

Management Principles is a course designed to provide students with an understanding of the organizational functions of businesses, including quality concepts, project management, and problem solving. Commerce Communication is a course that deals with the operation and management of advertising and promotion functions within the marketing system. Students learn how to utilize standard processes to move, store, locate and transfer ownership of goods and services.

Students are required to take Academy English (2 credits), Academy U.S. History I, Academy U.S. History II, and Academy Government/Economics in this program. All core subject provide weighted credit. See \*

---

**AGRISCIENCE AND TECHNICAL CAREER ACADEMY: GOSHEN HIGH SCHOOL**

---

**Prerequisite Courses** Agriscience  
Chemistry

**11th****Grade****Animal Science Cluster**

Fish and Wildlife Management

Animal Science

Aquascience

**Plant Science Cluster**

Horticultural Science

Plant Biotechnology

Botany

**12th****Grade****Animal Science Cluster**

Animal Biotechnology

Veterinary Science

Zoology

**Plant Science Cluster**

Forestry

Sports Turfgrass Production and Management

---

**2671 Agriscience**

Agriscience is a course that provides students with a general overview of the Agriculture, Food and Natural Resources Cluster, which contains five pathways: Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems

**3673 Fish and Wildlife Management**

Fish and Wildlife Management is a course that provides students with the opportunity to become knowledgeable about some of today's most valued, yet vulnerable, natural resources.

**3674 Animal Science**

Animal Science is a course that provides students with instruction regarding this area of the agricultural industry. Students participate in activities related to the animal science field as they engage in the study of topics such as career opportunities, safety, importance of the livestock industry, breed identification and characteristics, nutrition, disease and parasite control, genetics and reproduction, animal rights versus animal welfare, and specialty animal production and animal products.

**3675 Animal Biotechnology**

Animal Biotechnology is a course that provides students with an opportunity to develop knowledge of the principles and practices of animal genetics and biotechnology as they relate to agricultural products and services.

**3676 Veterinary Science**

Veterinary Science is a course designed to prepare students for entry-level employment or for advanced training in the veterinary assisting industry.

**3683 Horticultural Science**

Topics in Horticultural Science include career opportunities, safety, plant physiology, growing media, greenhouse facilities, greenhouse and nursery crop production, plant identification and classification, pest management, hydroponics and vegetable gardening, and technological applications.

**3684 Plant Biotechnology**

Plant Biotechnology is a course that provides students with an opportunity to develop an understanding of the principles and practices of plant genetics and biotechnology regarding agriculturally-related products and services.

**3685 Forestry**

Forestry is a course designed to enable students to become knowledgeable of forestry and wood technology. Students acquire an appreciation for increased emphasis on managing and conserving forests for the future.

**3686 Sports Turfgrass Production and Management**

Sports Turfgrass Production and Management is a course that prepares students for sports turfgrass careers.

**3372 Aquascience\***

Scientific process and application skills; freshwater, brackish water, saltwater ecosystems; fluid dynamics; biogeochemical cycles; properties of water; aquatic pollution; selective breeding; adaptations of marine organisms; fish production; harvesting techniques; disease.

**3373 Zoology\***

Scientific process and application skills; anatomical terminology; animal taxa; body plans, symmetry, and behavior; comparative anatomy; animal reproduction and genetics; adaptations; field study; bioethics.

**3370 Botany\***

Scientific process and application skills; plant phyla; plant reproduction and genetics; plant adaptations; plant structure, function, and organization; photosynthesis and cellular respiration; plant ecology; plant diseases.

**3371 Environmental Science and Management\***

Environmental Management is a course that provides students with the opportunity to develop an understanding of the principles and practices of environmental management.

Students are required to take Academy U.S History II and Academy Government/Economics in this program. Core science and social sciences courses provide weighted credit. See \*

---

All Academy Programs require a two (2) year commitments from students (Jr. and Sr. Year).

CAREER TECHNICAL COURSE DESCRIPTIONS

**TROY PIKE CENTER FOR TECHNOLOGY**  
**ONLY**

**BUILDING AND CONSTRUCTION TECHNOLOGY**

---

**2630 Architecture, Construction, and Manufacturing**

Architecture, Construction, and Manufacturing engages students in challenging curricula and developing technical skills in the areas of safety, related mathematics, usage of hand and power tools, blue print reading, basic rigging, and basic employability skills.

**2631 Safety and Health Regulations**

In this course students learn the importance of governmental as well as industry regulations and the student's individual responsibilities to perform all activities from a safety perspective.

**2632 Construction and Site Preparation and Foundation**  
**Prerequisite: Architecture, Construction, and Manufacturing**

Construction Site Preparation and Foundations is a course designed to facilitate student understanding of the first phases of construction. Students become familiar with types of structures and their uses.

**2633 Construction Framing**  
**Prerequisite: Construction and Site Preparation and Foundation**

Construction Framing is a course designed to facilitate student understanding of the framing phase of a structure. Students become familiar with the framing components of a structure.

**2634 Carpentry I**  
**Prerequisite: Architecture, Construction, and Manufacturing**

Carpentry I is a course designed to provide students with the fundamental knowledge and skills for this area of the construction industry. Emphasis is placed on job safety, use of hand and power tools, building materials, fasteners, adhesives, and flooring systems.

**2635 Carpentry II**  
**Prerequisite: Carpentry II**

Carpentry II is a course designed to provide students with advanced knowledge and skills for this area of the construction industry. Emphasis is placed on job safety; wall, ceiling, and roof framing; windows; entrance doors; and basic stair layout.

---

## **HEALTHSCIENCE TECHNOLOGY**

---

### **2661 Foundations of Health Science**

Foundations of Health Science is a course that introduces students to a wide range of health careers.

### **2665 Diagnostic Services**

#### **Prerequisite: Foundations of Health Science**

Diagnostic Services is a course designed to introduce students to careers in diagnostic services including, but not limited to, electrocardiographic technician, medical laboratory technologist, radiographic technician, pathologist, cardiovascular technician, and others.

### **2666 Therapeutic Services**

#### **Prerequisite: Foundations of Health Science**

Therapeutic Services is a course designed to introduce students to careers in therapeutic services including, but not limited to, nursing, medicine, physical therapist, surgical technologist, respiratory therapist, emergency medical technician, and others.

### **2667 Health Promotion and Wellness/Sports Medicine**

#### **Prerequisite: Diagnostic Services or Therapeutic Services**

Health Promotion and Wellness is designed to enable students to develop an understanding of personal, client, and community health. The course emphasizes wellness concepts related to positive health behaviors. Sports Medicine introduces students to the sports medicine profession. Course content specifies core knowledge and skills needed by workers in the sports medicine field.

### **2668 Health Science Internship I**

#### **Prerequisite: Diagnostic Services or Therapeutic Services**

Health Science Internship is a one or two-credit course designed for students in Grades 11 or 12. This course includes a variety of knowledge and skills necessary for becoming a health care worker or for preparing students for postsecondary health care education programs.

### **2669 Health Science Internship II**

#### **Prerequisite: Health Science Internship I**

This is the second in a two term course designed to prepare students for employment in a specific health care job and for entry into a post secondary program.

Healthscience Technology students participate in a project based independent study that includes mentorships, and internship components which require synthesis, analysis, and evaluation skills.

Industry certification available includes Alabama Department of Public Health Long Term Care Assistant and National Hospice Homemaker and Home Health Aide.

**All students are required to meet the requirements of the clinical agencies. This includes drug testing.**



## **INFORMATION TECHNOLOGY**

---

### **2653 Information Technology Fundamentals**

Information Technology Fundamentals is a course that introduces students to the knowledge base and technical skills for information technology careers. Students study the nature of business and demonstrate knowledge of the functions of information systems in business.

### **2654 Information Technology Support and Services** **Prerequisite: Information Technology Fundamentals**

Information Technology Support and Services is a course designed to provide students with knowledge of computer hardware, operating systems, and computer software applications.

### **2655 Computer Management and Support** **Prerequisite: Information Technology Fundamentals**

Computer Management and Support is a course designed to provide students with knowledge of computer management and support essentials.

### **2690 Networking I** **Prerequisite: Information Technology Fundamentals**

Networking I is a course designed to provide students with skills involving a hands-on, career-oriented approach to learning networking that includes practical experiences.

### **2691 Networking II** **Prerequisite: Network I**

Networking II is a course designed to provide students with skills involving hands-on learning by installing a router, configuring a server, and performing disaster recovery.

### **2692 Networking III** **Prerequisite: Network II**

Networking III is a course designed to provide students with skills needed to perform routing and switching in an enterprise network. Students configure a switch with virtual local area networks (VLANs) and inter-switch communication.

---

## **PRE-ENGINEERING: PROJECT LEAD THE WAY**

---

### **2641 Introduction to Engineering Design**

Introduction to Engineering Design uses a design development process while enriching problem solving skills; students create and analyze models using specialized computer software.

### **2642 Principles of Engineering**

#### **Prerequisite: Introduction to Engineering Design**

Principles of Engineering explores technology systems and manufacturing processes; addresses the social and political consequences of technological change.

### **2643 Digital Electronics**

#### **Prerequisite: Principles of Engineering**

Digital Electronics teaches applied logic through work with electronic circuitry, which students also construct and test for functionality.

### **2644 Aerospace Engineering**

#### **Prerequisite: Digital Electronics**

Aerospace Engineering expands horizons with projects with NASA-aerodynamics, astronautics, space-life sciences, and systems engineering.

### **2645 Computer Integrated Manufacturing**

#### **Prerequisite: Digital Electronics**

Computer Integrated Manufacturing enhances computer modeling skills by applying principles of robotics and automation to the creation of models of three-dimensional designs.

### **2646 Engineering Design and Development**

#### **Prerequisite: Aerospace Engineering or Computer Integrated Manufacturing**

Engineering Design and Development is a research course that requires students to formulate the solution to an open-ended engineering question. With a community mentor and skills gained in their previous courses, students create written reports on their applications, defend their reports, and submit them to a panel of outside reviewers at the end of the school year.

---

## **WELDING TECHNOLOGY**

---

### **2630 Architecture, Construction, and Manufacturing**

Architecture, Construction, and Manufacturing engages students in challenging curricula and developing technical skills in the areas of safety, related mathematics, usage of hand and power tools, blue print reading, basic rigging, and basic employability skills.

### **2611 Introduction to Welding**

#### **Prerequisite: Architecture, Construction, and Manufacturing**

This course provides students with a fundamental understanding of welding safety, basic shielded metal arc welding, blueprint reading, weld symbols, and identification of shop equipment. Students acquire knowledge for safe operation of shielded metal arc welding processes and oxy-fuel cutting.

### **2612 Applied Welding I with Plasma Arc Cutting**

#### **Prerequisite: Introduction to Welding**

This course provides students with instruction regarding safety and terminology in the shielded metal arc welding (SMAW) process, equipment identification, setup and operation of plasma arc equipment, and reading and interpreting detailed drawings.

### **2613 Gas Metal Arc Welding (480806)**

#### **Prerequisite: Applied Welding I with Plasma Arc Cutting**

This course that provides instruction on the various transfer methods of Gas Metal Arch Welding (GMAW) fillet welds. Topics include safety, equipment setup, joint design and preparation, and gas flow rates.

### **2614 Flux Cored Arc Welding**

#### **Prerequisite: Applied Welding I with Plasma Arc Cutting**

This course introduces students to flux cored arc welding (FCAW) process. Emphasis is placed on safe operating practices and on handling and storage of compressed gases.

### **2631 Safety and Health Regulations**

In this course students learn the importance of governmental as well as industry regulations and the student's individual responsibilities to perform all activities from a safety perspective.

## CAREER TECHNICAL COURSE DESCRIPTIONS

# PCHS AND GHS ONLY

### AGRICULTURAL TECHNOLOGY

---

#### **10508 Agriscience Exploration**

Agriscience Exploration is an exploratory course that provides Grade 8 students the opportunity to gain knowledge and acquire skills relating to the agricultural industry.

#### **2671 Agriscience**

Agriscience is a course that provides students with a general overview of the Agriculture, Food and Natural Resources Cluster, which contains five pathways: Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems.

### BUSINESS EDUCATION AND TECHNOLOGY

---

#### **2618 Business Technology Applications**

Business Technology Applications is a foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications.

#### **3750 Personal Finance**

Personal Finance introduces students to the management of personal and family resources to achieve personal goals and financial literacy.

#### **2619 Accounting**

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.

**2627 Advanced Accounting (520504)**

**Prerequisite: Accounting**

Advanced Accounting is a course designed to provide students with an increased emphasis on accounting principles and techniques for solving business problems and making financial decisions.

**CAREER TECHNICAL COURSE DESCRIPTIONS**

**CHARLES HENDERSON HIGH SCHOOL ONLY**

**CULINARY ARTS**

---

**2684 Hospitality and Tourism**

Hospitality and Tourism introduces students to hospitality and tourism, recreation, travel and tourism, lodging, restaurants and food and beverage services, safety and sanitation, customer relations, and quality services.

**2685 Culinary Arts I**

**Prerequisite: Hospitality and Tourism**

Culinary I introduces students to basic food production, management, and service activities in both the back- and- front-of-the- house. Emphasis is placed on sanitation, safety, and basic food preparation.

**2686 Culinary Arts II**

**Prerequisite: Culinary Arts I**

Culinary II provides advanced experiences in food production, management, and service. Topics include food service operations, advanced food production, and professionalism.

**ACADEMY OF BUSINESS AND FINANCE: PCHS**

**Prerequisite Courses:** Personal Finance and Accounting

**11th Grade**

1st Semester: Banking and Financial Services

2nd Semester: Advanced Accounting

**12th Grade**

1st Semester: Law in Society / Financial Planning and Services

**AGRISCIENCE AND TECHNICAL CAREER ACADEMY: GHS Prerequisite**

**Courses:** Agriscience and Chemistry

<b>11th Grade</b>	<b>Animal Science Cluster</b>	<b>Plant Science Cluster</b>
	Fish and Wildlife Management	Horticultural Science
	Animal Science	Plant Biotechnology
	Aquascience	Botany
<b>12th Grade</b>	<b>Animal Science Cluster</b>	<b>Plant Science Cluster</b>
	Animal Biotechnology	Forestry

# CULINARY ARTS

Hospitality and Tourism

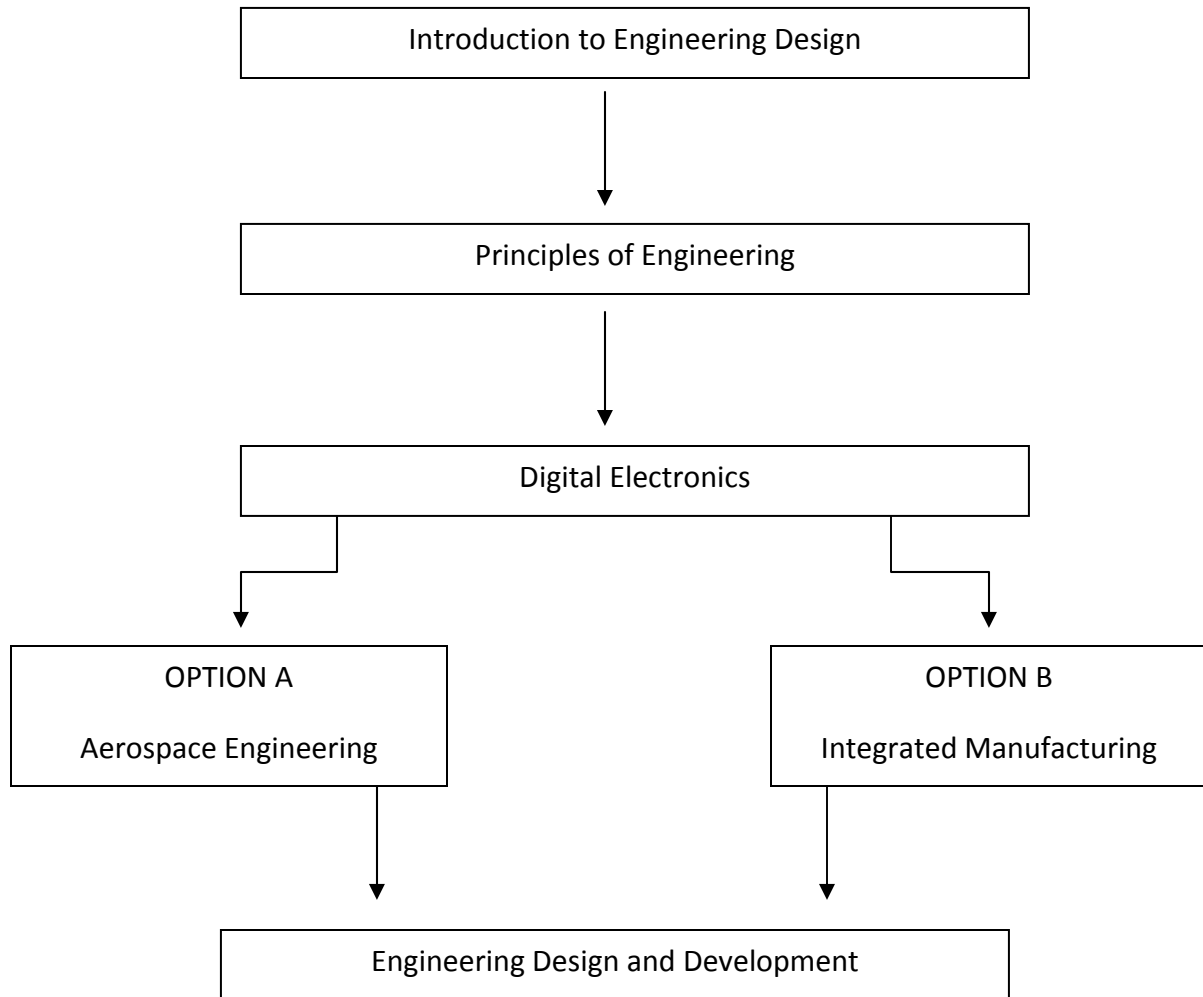


Culinary Arts I

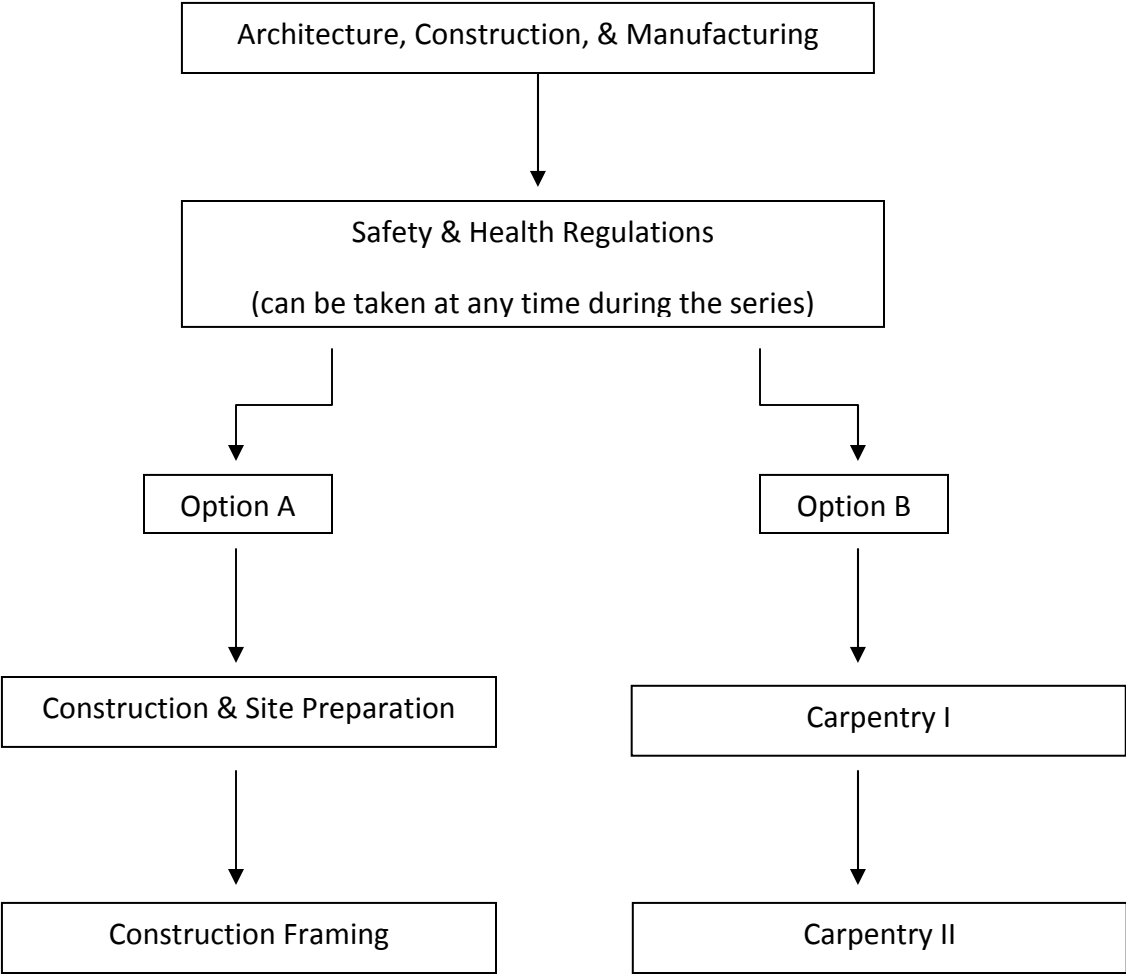


Culinary Arts II

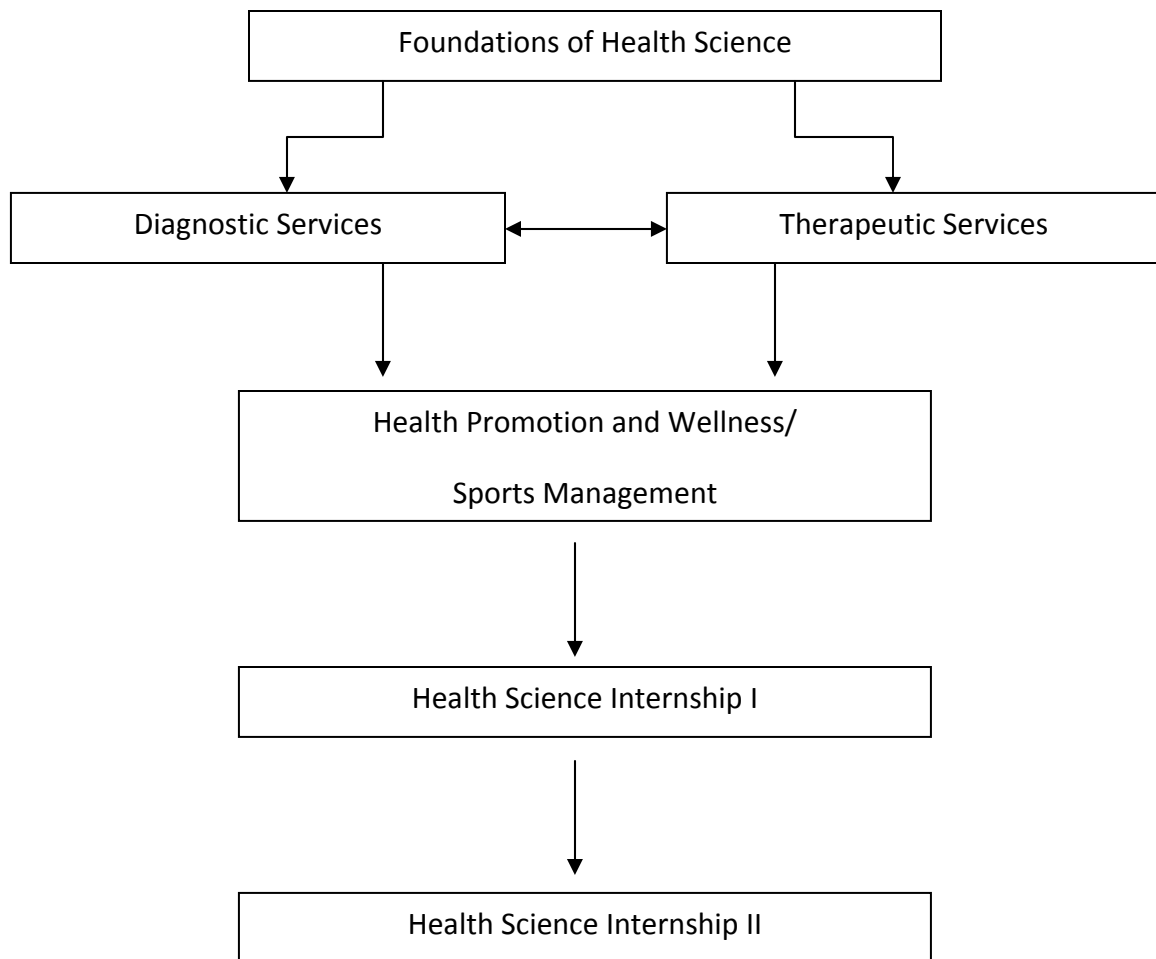
# PRE-ENGINEERING – PROJECT LEAD THE WAY



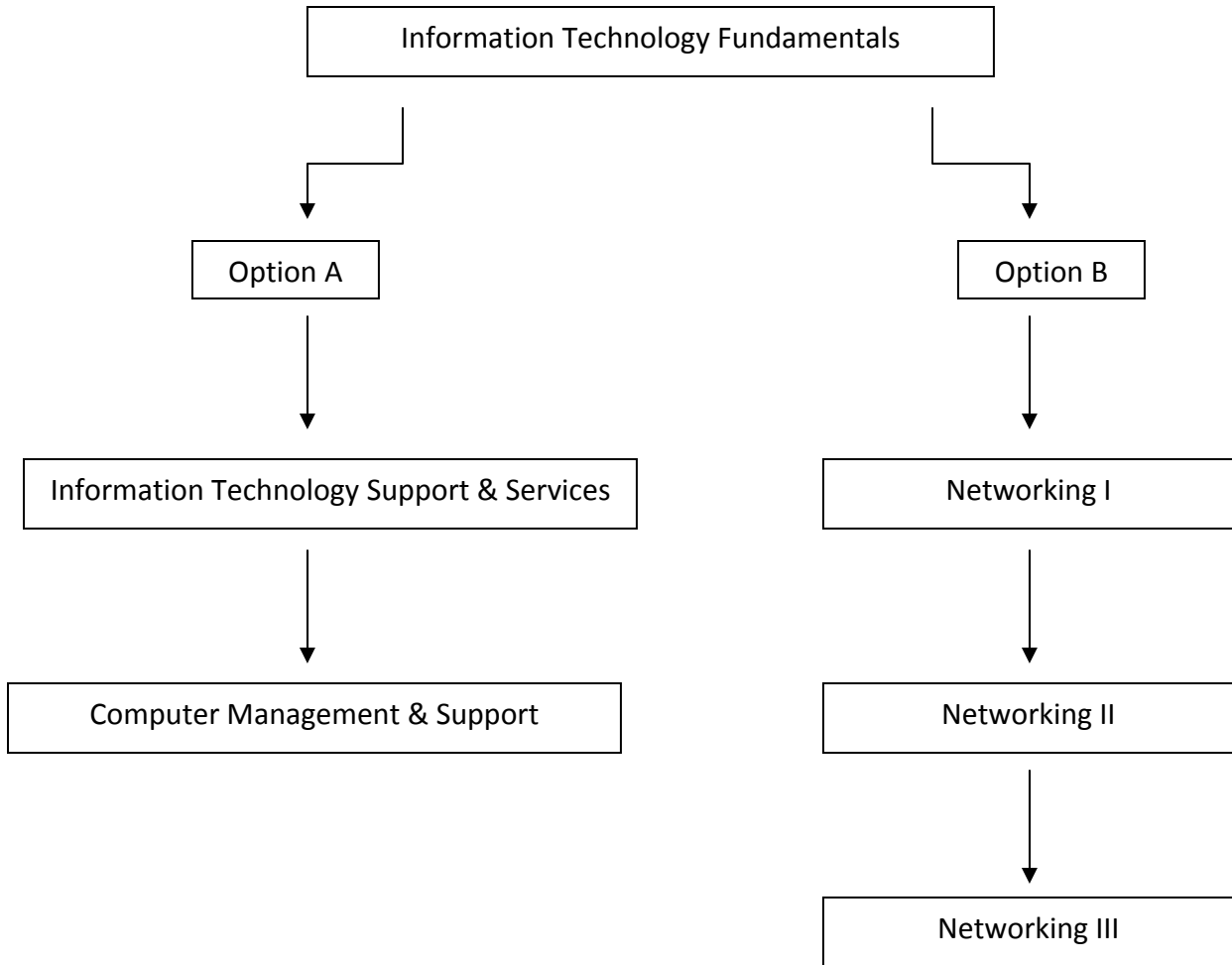
**BUILDING AND CONSTRUCTION TECHNOLOGY**



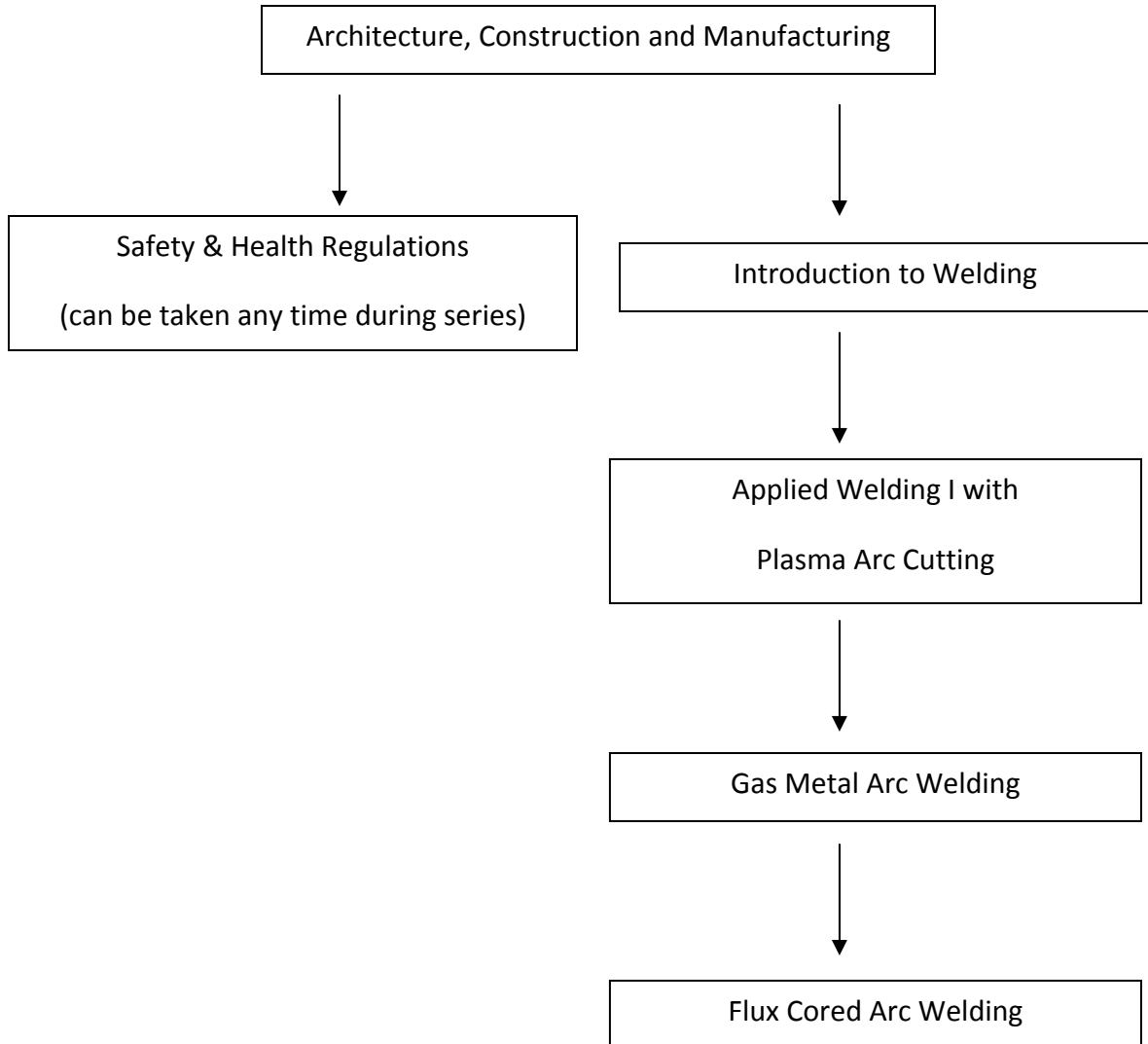
# HEALTH SCIENCE TECHNOLOGY



# INFORMATION TECHNOLOGY



# WELDING TECHNOLOGY



# **OCCUPATIONAL DIPLOMA COURSE**

## **DESCRIPTIONS**

### **2911 EMPLOYMENT ENGLISH (Emp Eng)**

This course delineates functional content standards necessary for achieving reading, writing, and language competency in the workplace and in community life. Reading focuses on decoding and comprehending essential information for successful community inclusion; writing emphasizes comprehending and using written information to communicate with others effectively; and language competencies focus on receptive and expressive communication modes, and the mechanics, grammar, and usage conventions of standard English. The student is expected to acquire and master the skills in whatever mode of communication is appropriate.

### **2921 CAREER PREPARATION (Career/Gov Eco)**

This course includes community-based instruction which will enable students with disabilities to practice previously learned concepts in an authentic setting. Skills to be developed and applied include community orientation skills, mobility skills, basic geographical concepts, governmental concepts, and the individual's role as a citizen in a democratic republic. Instruction in consumer responsibilities enables the young adult to demonstrate basic principles of prudent personal management, including paying taxes and saving for a planned, secure future.

### **2931 LIF SKILLS SCIENCE (LS Sci/Conn)**

This course prepares students with disabilities for independent living by providing awareness and acquisition of health care knowledge, personal self-care skills, and basic scientific concepts relevant to productive independent living and employment. This curriculum area targets the skills required to surmount personal social barriers related to disabilities. Although these barriers frequently present employment difficulties, they will be addressed and minimized through concentrated intentional teaching of appropriate behaviors and skill development through Life Skills Science.

### **2941 JOB SKILLS MATH (Essen/Alg Exp)**

This course engages the student in acquisition of functional math concepts designed to equip the individual with math skills needed for successful employment and independent living. Content standards include basic math skills such as numerical operations, decimals and fractions, basic geometric concepts, and basic calculator and computer skills. Students may use a calculator for the more complex mathematical operations. Essential workplace competencies and applications are emphasized as well as independent living needs such as budgeting, personal finance, and banking skills.

---

## **OTHER SPECIAL COURSE OFFERINGS**

**SPECIAL PROGRAM STUDENTS ONLY:**

- 2980      ADAPTIVE PHYSICAL EDUCATION**
- 2912      READING-3 (LEARNING DISABLED STUDENTS)**
- 2914      READING-3 (MR STUDENTS)**
- 2951      HEALTH-3**
- 2964-65    JOB SKILLS**
- 2966-67    TRANSITION I & II**
- 2968-69    TRANSITION/WORK I & II**
- 2970-71    SERVICE LEARNING I & II**
- 2972-73    TALENTED AND GIFTED (TAG) I & II**

Students interested in these courses should contact the school guidance counselor.

---

## **JUNIOR HIGH COURSE OFFERINGS**

### **SEVENTH GRADE**

- 2111    ENGLISH 7**
- 2113    JR. READING 7**
- 2211    SOCIAL STUDIES 7**
- 2311    SCIENCE 7**
- 2411    MATHEMATICS 7 OR**  
**2423    PRE-ALGEBRA**
- 2056    JR. MATH I**
- 2505/2535    PHYSICAL EDUCATION**

### **EIGHTH GRADE**

- 2121    ENGLISH 8**
- 2123    JR. READING 8**
- 2221    SOCIAL STUDIES 8**
- 2321    SCIENCE 8**
- 2421    MATHEMATICS 8 OR**  
**2481    ALGEBRA I**
- 2057    JR. MATH II**
- 2505/2535    PHYSICAL EDUCATION**
- 2618    BUSINESS TECH ESSENTIALS**
-

**JUNIOR HIGH ELECTIVES:**

**2508 Advanced Physical Education (Boys)**  
**2509 Advanced Physical Education (Girls)**  
**2268 Current Events (7<sup>th</sup>)**  
**2269 Civics (8<sup>th</sup>)**  
**2700 Introductory Art**  
**2719 Introductory Music**  
**2722 Ecology**  
**2725 Beginner Band**  
**2726 Intermediate Band**  
**2727 Marching Band**  
**2728 Concert Band**  
**2729 Spanish Exploration**  
**010504 Pre-Agriculture (7<sup>th</sup>)**  
**010508 Ag. Sci. Exploration (8<sup>th</sup>)**

**Special Program Courses (JR)**

**2011 English Skills**  
**2021 Soc. Sci. Skills**  
**2041 Math Skills**  
**2031 Science Skills**  
**2014 Reading Skills**

---

## Four Year Student Planner

	Ninth Grade Term 1	Ninth Grade Term 2	Tenth Grade Term 1	Tenth Grade Term 2	Eleventh Grade Term 1	Eleventh Grade Term 2	Twelfth Grade Term 1	Twelfth Grade Term 2
<b>CORE ENGLISH</b>								
<b>CORE MATH</b>								
<b>CORE SCIENCE</b>								
<b>CORE SOC. SCI.</b>								
<b>Electives:</b>	<b>Required Physical Education</b>		<b>Required Health</b>		<b>Required Fine Arts</b>			
<b>Electives:</b>								
<b>Electives:</b>								
<b>Elective: Must Include (2) Foreign Languages If Seeking Adv. Endorsement</b>								

---