



**Charleston High School**  
**Career and Educational**  
**Planning Guide**

Created January 2019

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## Letter from the Counselor

Dear Parent/Guardian,

As your student plans for the future, it is important that he or she makes careful course selections for their high school years. Students are most successful when they prepare for their future by establishing a common link between their high school courses and their ultimate career goals. The following information has been compiled in order to assist you and your student in the educational and career planning process. A sound educational plan will establish a good foundation and make it easier for students to move toward their desired goals.

This information has been developed by the counseling department, administration, and teachers at Charleston High School in order to assist students with course selections each year. The course offerings and brief descriptions have been included to assist you in understanding the courses which are offered at CHS. Career and post-secondary information is included in order to assist you and your student with career planning in order to make the transition from high school as seamless as possible.

Begin by reading the information with your student. Be sure to ask your student about any Career Interest Inventory results which will help them to establish a career pathway. These inventories are taken during middle school and are being integrated into a document known as the ICAP (Individual Career and Academic Plan). We are still in the development stages of this process, so your student may or may not currently have an ICAP, depending on their grade.

During the enrollment process each year, the career focus and selected courses may be changed in order to fit your student's current career choices and goals. Once your child has established a potential career pathway, they are able to look at the career cluster tables located at the end of this document in order to learn about courses and activities they should participate in while at CHS which relate to their future career plans.

If you have any questions concerning this information or the process of enrollment, please contact me for assistance.

Sincerely,

*Amy Brown*

CHS Counselor

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(573)683-3761

## Introduction

### Purpose

The purpose of this booklet is to provide assistance to students, parents, and counselors in developing educational plans for four years of high school study, continuing through post-secondary educational or career training. Students should consider their interests, talents, and abilities when focusing on a career area. Students are asked to set goals leading toward a future career by focusing on a career area and selecting courses for their educational plan.

The use of this guide will aid students in achieving their educational goals and planning for the future. Please note that students may change their career focus at any time during their high school years. As students have new experiences and gain new skills, they may change their career focus. These changes will need to be noted on their Individual Career and Academic Plan (ICAP) in order to ensure that the student is on the appropriate track to accomplish their goals.

### Establishing Goals for Career and Educational Planning

There are several items to consider when making a personal plan of study as part of the Individual Career and Academic Plan that is appropriate to meet your goals.

Remember:

- Your plan is **flexible**. You can change your goals as long as you meet course prerequisites and the graduation requirements for CHS by the end of your 12th grade year.
- You have specific **interests, abilities, and talents**. You know more about yourself than anyone; however, it is a good idea to get assistance from your school counselor, parents, teachers, and administration in order to enhance and broaden your understanding. The counselor can provide interest, aptitude, and ability surveys to help you establish a potential career pathway and cluster that might interest you.
- You need to **know about the career that you are planning for**. Within this handbook, there is a segment devoted to the 16 career clusters. You can obtain this information by referring to this section at the end of the document, talking to your school counselor about specific career information, checking online and printed resources, and talking to knowledgeable people about the career that you are interested in pursuing.

- Learn what **educational opportunities are available to you** (academic programs, vocational programs, courses available, and extra curricular activities that are available at CHS) as well as postsecondary opportunities.
- Students need to **set realistic goals**. What may seem impossible to attain as a freshman may be easily attained by a senior. Pushing yourself to **maximize your efforts now will pay off in the future**.
- After evaluating your interest and researching a variety of careers, **establish your goal**, and state your career focus within your Individual Career and Academic Plan (ICAP).
- Establish your personal plan of study (located within your ICAP) by **selecting courses that will help you attain your goal**.

## CHS Graduation Requirements

To graduate from Charleston High School all students must meet the following minimum credit requirements:

- 4 Language Arts (including English I, II, III)
- 3 Mathematics (does not include 8th grade math credit, if applicable)
- 3 Science (including Physical Science and Biology)
- 3 Social Studies (including American History, World History, and Government)
- 1 Fine Art
- 1 Practical Art
- 1 Physical Education
- 0.5 Personal Finance
- 0.5 Health
- 7 General Electives
- 24 Total Credits

### Additional Graduation Requirements

- Required End of Course Exams
  - ◆ English 2
  - ◆ Biology
  - ◆ Government
  - ◆ Algebra 1 (Algebra 2 if Algebra 1 was taken in 8th grade)
- 30 mins of CPR/First Aid Training
- Any student entering 9th grade after July 1, 2017, must pass an American civics exam.
- Passing score on both a Missouri and U.S. Constitution test.

## Post-Secondary Admission Requirements

It is recommended that students who have aspirations to pursue a college education, complete the following:

- 4 credits of English
- 4 credits of Math (Alg 1, Geometry, Alg 2, Adv Alg/Trig, Calculus)
- 3-4 credits of Science
- 3-4 credits of Social Studies
- 2-3 years of a Foreign Language

Additionally, it would be beneficial for these students to enroll in Honors courses when possible. Students planning to attend a college after graduation should also consider participating in Dual Enrollment courses in order to gain experience and credits prior to graduation.

The best way for students to ensure that they are prepared to gain admittance to the university of their choice is to know and understand their admission requirements as early as possible. Listed below are the current admission requirements for a few schools in the area.

### Southeast Missouri State Univ

- 4 units ELA
- 3 units Math
- 3 units Social Studies
- 3 units Science
- 1 unit Visual Art
- 3 units additional (Foreign Lang, etc)
- ACT sliding scale

### Arkansas State University

- GPA of 2.75 or higher
- ACT composite of 21

### Murray State University

- At least a 3.0 GPA
- At least a 18 or higher composite on ACT

### Lincoln University

- Minimum GPA of 2.0
- Minimum ACT score of 18

### Missouri State

- Courses required for graduation at CHS
- 1 unit Foreign Lang recommended
- Sliding scale ACT score

### Missouri S&T

- 4 units ELA
- 4 units Math
- 3 units Social Studies
- 3 units Science
- 1 unit Fine Art
- 2 units Foreign Lang
- ACT sliding scale

### Harris-Stowe

- 4 units ELA
- 4 units Math
- 3 units Social Studies
- 3 units Science
- 1 unit Fine Art
- 3 units Foreign Lang or additional core units
- 2.8 GPA
- 17 ACT Composite score

### Three Rivers College

- Open enrollment

\*\*\*Requirements were obtained via school websites (January 2019).



## Academic Programs

### Honors

Charleston High School has implemented “Honors Program” for students. Upon completion of this program, student will receive a “Graduated with Honors” Diploma. The following classes will be designated as Honors:

- **English Language Arts:** Honors English I, Honors English II, Honors English III, and DE English
- **Mathematics:** Freshmen Year: Geometry, Sophomore Year: Algebra II, Junior Year: Advanced Algebra/ Trig, Senior Year: Calculus
- **Social Studies:** Honors American History, Honors World History, Honors American Government, and 1 credit of a Social Studies elective.
- **Science:** Physics First, Honors Biology, one Science elective during Junior year, and one Science elective during senior year

Students will need to acquire the following:

- 14 Designated Honors Courses with 80% or higher. (12 for the graduating class of 2020)
- A minimum of 12 activities over 4 years (clubs, organizations, athletics, Band, Choir, and/or JAG)
- Students meeting the above mentioned requirements will be given an Honors Cord for Graduation and announced “Graduated with Honors”.

Entrance into honors courses will be based upon academic, achievement, attendance, and behavior. An Honors Application must be completed on the evening of scheduling in order to be deemed eligible for an honors course.

### Dual Enrollment

Charleston High School has partnered with Southeast Missouri State University to provide qualifying junior and senior students an opportunity to participate in dual enrollment classes. To qualify for participation in the dual credit program, students must have a minimum overall grade point average of 3.0 (on a scale of 4.0), and be recommended by the high school principal or his/her official designee.

- Courses are offered at a discount off SEMO’s regular tuition rate. Primary textbook rental will be paid by the school district. All course fees, university charges, and costs for additional textbooks required by instructors are the parents’/students’ responsibility.

- Qualifying juniors and seniors will be eligible to enroll in co-taught web based classes at the high school campus. The class is taught by a Southeast instructor and will be supervised by a member of the CHS faculty. Students are required to abide by the rules of CHS and the supervising teacher.
- Dual Enrollment courses are double weighted. The course grade assigned by the professor from Southeast will be utilized for CHS grade purposes with the additional course weight added. Please see the grade scale section for additional information.
- Students taking dual enrollment classes must abide by what is expected by university officials and college instructors. Misbehavior can result in a student losing the privilege of taking dual enrollment classes and disciplinary action by the high school.
- Dual enrollment course credits will usually transfer to most colleges; however, you will need to check with the college you are planning to attend in order to ask about their course equivalency.
- Upon graduation, the student will need to request official transcripts to be sent to their post secondary university. A small fee is generally required and will be the responsibility of the parent/student.

### **Advanced Placement (AP)**

These courses are available in some subject areas depending upon grade level. Placement in these courses is conditional upon grades and established criteria. These courses focus on preparing students for Advanced Placement exams. The student's score and a university's policy determine whether or not college credit will be given. There is no guarantee that all AP courses will be offered after enrollment is completed. There must be a minimum number of students who have signed up for each course. Students who take an AP course are strongly encouraged to take the AP exam. Students are responsible for the cost of this exam. AP courses are double weighted. (See grade scale for additional information.)

### **Sikeston Career and Technology Center (SCTC)**

During junior and senior year, our students have the opportunity to attend courses at the Sikeston Career and Technology Center at no charge to the student. Enrollment in SCTC programs are based upon a competitive application process, attendance, academic performance, and behavior. The following was copied from the Sikeston Academic Planning Guide in reference to SCTC:

*The Sikeston Career and Technology Center provides career and technical training for students in Sikeston Public Schools and ten area sending high schools. The various programs provide an opportunity to develop skills, attitudes, and knowledge that will enable students to*

*obtain higher-paying jobs, advance in their careers, or continue their career and technical education at a post-secondary level. These programs give the student an opportunity to learn and work in a related field and get work experience while still in high school.*

*SCTC courses combine technical skills and academics to develop better career goals. These technical/academic courses are oriented toward career and life skills. The SCTC counselors provide information concerning planning for a good educational foundation, setting career goals, and articulating with post secondary education centers. A variety of programs are available for students and adults to enhance their learning and job skills.*

*The DECA, Skills USA, FBLA (Future Business Leaders of America), FFA, and FCCLA (Family, Career and Community Leaders of America) student organizations are active groups of students who are committed to the development of leadership skills needed in today's work world. Each year these clubs compete in district, state, and/or national contests. The clubs help students focus on skills and attributes needed for success.*

*SCTC courses will be found in the Practical Arts course listing section of this packet. If you have questions or need information about the SCTC programs, call 471-5442 or speak with your high school counselor.*

## Grade Scale and Weighted Courses

It is the desire of the Charleston R-I School District to provide an academic experience for our students that is both rigorous and meaningful. To that end, we believe that challenging our students is key to their academic preparation. By offering an academic incentive, it is our belief that students will be encouraged to enroll in a more rigorous course of study, thereby preparing them for post-secondary education.

### Grade Scale

Percentage:	Grade Letter:	Base:	Single Weighted (+0.333):	Double Weighted (+0.666):
100-95%	A	4.0	4.333	4.666
94-90%	A-	3.666	3.999	4.333
89-87%	B+	3.333	3.666	3.999
86-83%	B	3.0	3.333	3.666
82-80%	B-	2.666	2.999	3.333
79-77%	C+	2.333	2.666	2.999
76-73%	C	2.0	2.333	2.666
72-70%	C-	1.666	1.999	2.333
69-67%	D+	1.333	1.666	1.999
66-63%	D	1.0	1.333	1.666
62-60%	D-	.666	.999	1.333
Below 60%	F	0	0	0

### Weighted Courses

<u>Single Weighted Courses:</u>		<u>Double Weighted Courses:</u>
Honors English 1	Honors Biology	Honors English 3
Honors English 2	Psychology/Sociology	Advanced Algebra/Trig
English 3	Contemporary Issues/Geography	Calculus
English 4	Honors American History	Chemistry 1

<p>Speech/Drama          School Publications          Geometry(Freshmen)          Algebra 2          Advanced Biology          Anatomy and Physiology          Forensics/Ecology          Physics First</p>	<p>Honors World History          Government          Law &amp; You/African Amer Studies          Spanish 2          French 2          German 2          JazzBand</p>	<p>AP Chemistry 2          Honors Government          Dual Enrollment Courses          Spanish 3</p>
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## Extra-Curricular Activities

### Clubs/Organizations

Charleston High School provides a variety of extra-curricular activities. The names of the organizations are listed below. Additional information about each organization can be obtained from each activity sponsor or from the office.

- Young Art Club
- FFA
- Future Teachers of America (FTA)
- National Honors Society (NHS)
- Library Club
- Key Club
- Student Council
- Color Guard (Band)
- Students Against Destructive Decisions (SADD)
- Future Business Leaders of America (FBLA)
- Fellowship of Christian Athletes (FCA)
- World Language Club

### Sports

Charleston High School is a member of the Missouri State High School Activities Association. To participate in activities with other schools, a student must meet the requirements set forth by the Missouri State High School Activities Association and the Charleston R-I Board of Education. A student must be enrolled in at least five classes to maintain his eligibility and must have passed 3.0 credits the previous semester. The following sports are available to students who meet the eligibility requirements. Additional information about eligibility can be obtained by speaking with the Athletic Director and/or the specific athletic coach.

- Football- Boys
- Volleyball- Girls
- Tennis- Girls
- Cheerleading
- Basketball- Boys and Girls
- Track- Boys and Girls
- Baseball- Boys
- Softball- Girls

## **Career Guidance and Testing**

Students are encouraged to see the counselor at any time regarding the development and/or adjustment of their personal plan of study (ICAP). The school counselor can provide information regarding the programs at CHS as well as information regarding post-secondary training, scholarships, financial aid, aptitude assessments, and contact information.

### **ACT**

#### **What is it?**

The ACT is an entrance exam used by most colleges and universities to make admissions decisions. It is a multiple-choice, pencil-and-paper test administered by ACT, Inc.

The purpose of the ACT test is to measure a high school student's readiness for college, and provide colleges with one common data point that can be used to compare all applicants. College admissions officers will review standardized test scores alongside your high school GPA, the classes you took in high school, letters of recommendation from teachers or mentors, extracurricular activities, admissions interviews, and personal essays. How important ACT scores are in the college application process varies from school to school.

Overall, the higher you score on the ACT, the more options for attending and paying for college will be available to you. The highest obtainable ACT score is a 36 with the average being a score of 21.

#### **When should I take the ACT?**

Most high school students take the ACT during the spring of their junior year or fall of their senior year. It's important to leave time to retake the test if you need to raise your score before you apply to college. The ACT exam is offered nationally every year in September, October, December, February, April, June, and July.

#### **What is on the test?**

There are four sections on each ACT exam. The four sections are Reading, English, Science, Mathematics. The ACT also includes an optional 40-minute Writing Test. Some colleges may require that you complete the ACT Writing Test. You can confirm each college's admissions policies on the school website.

#### **What is the cost?**

Each ACT costs \$50.50 without writing and \$67 with writing. Students who are eligible for an ACT Fee Waiver may use two fee waivers while attending CHS. Eligible students are

encouraged to utilize one fee waiver during Junior year and the second waiver early on in their Senior year. Documentation is required in order to receive a fee waiver and the qualifications are provided below. Please see your high school counselor for more information about utilizing an ACT Fee Waiver.

Fee Waiver Qualifications:

- Currently enrolled in high school in the 11th or 12th grade.
- Be testing in the US, US territories, or Puerto Rico.
- Meet one or more indicators of economic need listed below.
  - ◆ Enrolled in a program for the economically disadvantaged (Upward Bound)
  - ◆ Resides in a foster home, is a ward of the state, or is homeless
  - ◆ Family receives low-income public assistance or lives in federally subsidized public housing
  - ◆ Family's total annual income is at or below USDA levels for free or reduced-price lunches on the USDA Food and Nutrition Services website.

### **How do you register?**

Students may register to take the ACT on their website ([www.act.org](http://www.act.org)). Individuals wishing to take the test will need to create a profile which will be used later in order to access test scores. It is imperative that students retain their login information.

### **Accuplacer**

Accuplacer is utilized by two year and community colleges as a way to determine the skills of an incoming or potential student. The test helps place students where they are most likely to thrive in their academic pursuits. Accuplacer is a web-based assessment tool to determine skills in reading, writing, and math. It is untimed. Students can normally complete it in less than 90 minutes. Accuplacer test scores are available immediately upon completion of the assessment.

This assessment may determine whether a student goes directly into a college-level course or is required to take a remedial course. The Accuplacer is often required by community colleges and technical schools in the absence of proficient ACT scores. Students will need to contact the school in which they plan to attend in order to make arrangements for taking the Accuplacer exam.

### **ASVAB**

ASVAB stands for the Armed Services Vocational Aptitude Battery, which is a multiple-choice test that helps you identify which Army jobs (Military Occupational Specialties) would be best for you.



The Armed Services Vocational Aptitude Battery measures your knowledge and ability in ten different areas. It is not an IQ test, but the ASVAB does help the Army assess which jobs you are best suited to perform.

The ASVAB consists of ten short tests to complete during three hours. An ASVAB test administrator will give you instructions and tell you how long you have to complete each test. However, before you begin, you will have a chance to answer some practice questions and ask any questions about taking the test.

The ASVAB tests cover general science, arithmetic reasoning, word knowledge, paragraph comprehension, numerical operations, coding speed, auto and shop information, mathematics knowledge, mechanical comprehension and electronics information.

While there is no "failing" the ASVAB, you will need to score at least a 31 on the exam to be considered for enlistment. Your scores will be provided to you on a report called the ASVAB Student Results Sheet, with additional information to help you understand your score.

Charleston High School works with the military in order to test Juniors each year. Any student wanting to retake the assessment during their senior year will be allowed to do so. The ASVAB can also be taken once you have graduated by working with a local military recruiter.

## **ACT WorkKeys**

ACT WorkKeys® assessments are the cornerstone of ACT workforce solutions. The assessments measure foundational skills required for success in the workplace, and help measure the workplace skills that can affect job performance.

Each assessment offers varying levels of difficulty. The levels build on each other, incorporating the skills assessed at the previous levels. For example, at Level 5, individuals need the skills from Levels 3, 4, and 5. The complexity increases as the quantity and/or density of the information increases

Individuals who successfully complete the three WorkKeys assessments—Applied Math, Graphic Literacy, and Workplace Documents—earn the WorkKeys National Career Readiness Certificate®, a valuable credential for students and job seekers seeking to verify foundational workplace skills. ACT WorkKeys also offers additional assessments to measure interests, values, and behaviors that can lead to greater job satisfaction.

## **End of Course Exams**

The Missouri Assessment Program assesses students' progress toward the Missouri Learning Standards, which are Missouri's content standards. End-of-Course assessments are taken when a student has received instruction on the Missouri Learning Standards for an assessment, regardless of grade level. All EOC assessments are available only online, unless a student's IEP indicates another option.

Since the 2014-2015 accountability year, districts must ensure that students complete EOC assessments in Algebra I, English II, Biology, and Government prior to high school graduation. For students who complete the Algebra I EOC assessment prior to high school, Algebra II is the required high school mathematics assessment for accountability purposes. All students are required to participate in EOC assessments designated as "required" for accountability purposes.

## Post-Secondary Options

Students have several post-secondary options available to them. Students can enter a 4-year college/university, 2 year college, technical school, military, apprenticeship, or work. Below are a few of the options with a short description including examples of each. For additional information as well as to determine which is required for the job that you are interested in, consult your Individual Career and Academic Plan and/or the counselor.

### Technical Training or Associate's Degree

**Technical School:** Programs at these schools are generally one month to two years in length. Examples of vocational technical/trade school programs include practical nursing, robotics and business. (Cape Career and Technology Center, State Tech, Missouri Welding School, Ranken, etc)

**Community College:** offer two-year “degree” vocational training, associate degrees or credit transfer to a college or university where you can pursue a bachelor’s degree. Most community colleges have an open enrollment policy for high school graduates. (Three Rivers College, Mineral Area College, Shawnee, etc)

### Bachelor's Degree, Masters Degree, or More

**College/University:** A bachelor’s degree requires approximately four years of college. A master’s degree usually requires one to two years of college beyond the bachelor’s degree. Entrance requirements depend on the desired program/major but most often they will require a proficient ACT score. (Southeast Missouri State, Murray, University of Missouri, Arkansas State University, etc)

### Military

Training is available for many jobs while you are enlisted. You also receive financial assistance for college, pay, room and board, and insurance benefits. High school graduation is required. The ASVAB assessment is necessary in order to determine eligibility. (Army, National Guard, Navy, Air Force, etc)

### Job-Seeking

**On-the-Job Training:** Some occupations do not require training before employment. After the employee has begun working, they will receive all necessary training while working. (Examples: factories, sales positions, etc)

**Apprenticeship:** Apprenticeship is a three to four-year training program where you earn money while you learn; you are working on the job. You receive a license at the end of training. (Examples of trades that use apprenticeship are bricklaying, electrical repair, etc.)

**Job Corps:** Vocational/skill training is provided at various locations throughout the nation. Training, room and board are provided free to economically disadvantaged youth, male and female, ages 16-24.

### **A+ Schools Program**

Charleston High School has completed the requirements of the A+ Schools Program and received the designation as being an A+ School by the Board of Education of the State of Missouri. Qualified students graduating from Charleston High School will be eligible to receive the following:

- Scholarship funds to attend a participating public community college or vocational/technical school, or certain private two-year vocational/technical schools.
- Some Missouri four-year institutions offer scholarships for students who qualify for A+ funds.

To be eligible for the scholarship from the A+Schools Program, a student must be certified as an A+ student. To qualify, the student must meet the following criteria:

- Complete a Student Participation Agreement with the high school prior to graduation.
- Attend an A+ designated high school for at least three consecutive years.
- Graduate from high school with a cumulative, non-weighted grade point average of 2.5 or higher.
- Have at least a 95% attendance record overall for grades nine through twelve.
- Perform 50 hours of unpaid tutoring, of which up to 25% may include job shadowing.
- Maintain a record of good citizenship and avoid the unlawful use of drugs and/alcohol.
- Make a good faith effort to first secure all available federal post-secondary student financial assistance funds that do not require repayment.
- Students must achieve a proficient or advanced score on the Algebra I End of Course Exam (or other tests as determined by the Missouri Department of Higher Education).
- Must be a US citizen or a permanent resident.

Following high school graduation students will be eligible to receive the A+ Scholarship if they are full-time students, and maintain a 2.5 GPA, or otherwise maintain satisfactory academic progress toward their program of study.

The A+ Scholarship will be made available to reimburse the unpaid balance of the cost of tuition and general fees after available federal post-secondary student financial assistance funds

have been applied to those costs. Students must complete their coursework within 48 months of graduation.

Tuition reimbursement is contingent upon the availability of state funds. Funding is not the responsibility of the Charleston R-I School District. For more information about this program please contact the A+ Coordinator at Charleston High School or visit the Missouri Department of Higher Education's website: [www.dhe.mo.gov/ppc/grants/aplusscholarship.php](http://www.dhe.mo.gov/ppc/grants/aplusscholarship.php)

In order to obtain a list of schools who accept the A+ Scholarship, visit the following website: <https://dhe.mo.gov/ppc/grants/documents/EligibleAplusPostsecondarySchools.pdf>

### **NCAA and NAIA Eligibility Requirements**

If you are planning to participate in college athletics while enrolled at a post-secondary institution, it is critical that students and their parents check the websites below for specific information pertaining to eligibility requirements. This process should begin in the student's early high school years in order to ensure eligibility. There are specific classes that must be taken in order to ensure eligibility.

Speak to your coach, the principal, or counselor if you have further questions.

NCAA website: [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net)

NAIA website: [www.playnaia.org](http://www.playnaia.org)

## General Grade and Enrollment Information

### Grade Level Classification

Ninth Grade or Freshman Status .....	Under 6 credits
Tenth Grade or Sophomore Status.....	Minimum of 6 credits
Eleventh Grade or Junior Status.....	Minimum of 11 credits
Twelfth Grade or Senior Status .....	Minimum of 17 credits

### 8th Grade Credit

Any student who completes Algebra 1 during their 8th grade year, with passing grades, will be awarded high school credit for the course. This credit will be listed on the student's transcript but will NOT be calculated into the student's GPA. This math credit CANNOT count towards the three math credits required at CHS to graduate with a diploma. Additionally, if the student completes the Algebra 1 End of Course exam in 8th grade, they will be required to take the Algebra 2 End of Course Exam in order to graduate.

### Schedule Changes

The master schedule is developed as a result of student requests for classes. Considerable effort is made to ensure that each student receives the schedule of her or his choice. It may be impossible to schedule first-choice electives due to the period the class is offered or seat availability. Alternate electives may be substituted.

Student-initiated schedule changes will be considered prior to school starting as, well as during the first week of school. Following this deadline, the counselor will only make those schedule changes requested by teachers. All schedule changes are approved by the administration and are subject to parent approval. Semester schedule changes are made at the discretion of the administration and only when necessary.

### Class Rank

Student rank in class will be based on a 4.0, weighted grading scale. Grades from all subjects will be used to calculate rank in class. Summer school, correspondence courses, credit recovery classes, and courses taken in 8th grade will not be calculated in GPA.

The valedictorian is the graduating senior who has the highest weighted grade point average. The honor may be shared if two or more students tie. He/she will be chosen from those pursuing an honors diploma. A student must be in attendance at Charleston High School for three years to be eligible for valedictorian.

The salutatorian is the graduating senior who has the second highest weighted grade point average. The honor may be shared if two or more students tie. He/she will be chosen from those

pursuing an honors diploma. A student must be in attendance at Charleston High School for three years to be eligible for salutatorian.

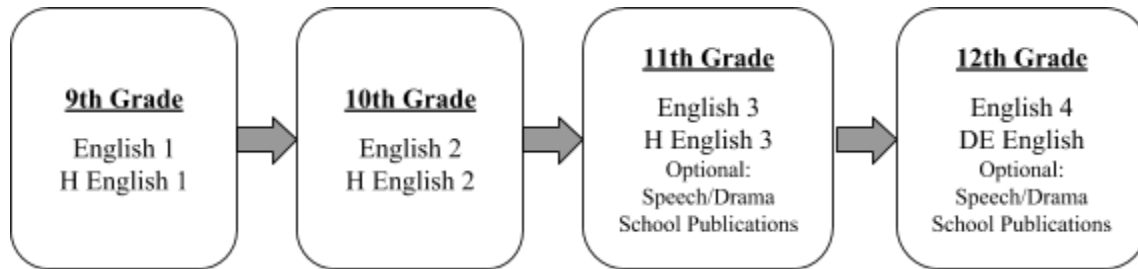
### **Credit Recovery**

Credit recovery is for students who have previously failed required courses and are behind on meeting the required credits toward graduation. The Plato Credit Attainment program is a computer based program where the student works independently on assigned coursework in order to obtain needed credits.

Credit Recovery may be completed in a variety of ways. Students who are extremely deficient in credits may be placed in CAC (at the discretion of the administration) for the entire school day in order to obtain credits. If a student is deficient in a small number of credits, the student may attend summer school in order to obtain 1 full credit. Students may also discuss the possibility of an hour of credit recovery built into their schedule with the counselor.

\*All of the above decisions are made by the Charleston High School administration in conjunction with the counselor.

## English Language Arts Course Descriptions



**Course Title:** ENGLISH 1.....**CREDIT:** 1.0

**Grade Eligible:** 9

**Pre-Requisites:** none

**Description:** During this English 1 course, reading, writing and speaking overlap as students deepen their study of language and literature and gain skills that help them in other subjects. Students intensify their study of vocabulary, and analyze and evaluate a wide variety of American, English, and World nonfiction and literary texts. They study the important works of authors, poets, and playwrights of various historical periods and critique their works. Students become effective researchers and write and deliver research reports and multimedia presentations. The development of persuasive thought and writing help students create strong oral and written skills that can be used in college and in the workplace.

**Course Title:** HONORS ENGLISH 1.....**CREDIT:** 1.0

**Grade Eligible:** 9

**Pre-Requisites:** meet established criteria for Honors course

**Description:** In this Honors English 1 course, students will be reading and writing in a variety of genres, from novels to research essays to poems. The content covered in this course will serve as the foundation for the English coursework that students will encounter throughout high school and college. Coursework will focus largely on writing skills and literary analysis, and, as this is an honors course, most assignments will involve some deeper critical thought. Quarterly book reports are a requirement for all Honors ELA courses.

\*This course is single weighted.

**Course Title:** ENGLISH 2.....**CREDIT:** 1.0

**Grade Eligible:** 10

**Pre-Requisites:** English 1

**Description:** This English 2 course will be an exploration of the literary genres. Students will be presented with units on novels, short stories, poetry, drama, and nonfiction. Students will also be expected to produce writing in several genres. The goal of this course is to expose the students to a wide variety of content and strengthen their skills as readers, writers, thinkers, and communicators in order to prepare them for future ELA coursework as well as college and/or the



workplace. Once students have completed this course, they will be required to take an End-of-Course exam in order to fulfill their graduation requirements.

**Course Title:** HONORS ENGLISH 2.....**CREDIT:** 1.0

**Grade Eligible:** 10

**Pre-Requisites:** meet established criteria for Honors course

**Description:** This Honors English 2 course will be an exploration of the literary genres. Students will be presented with units on novels, short stories, poetry, drama, and nonfiction. Students will also be expected to produce writing in several genres. This course will be focused on deeper level analysis that will require the students to exercise their minds and form their own ideas. The goal of this course is to expose the students to a wide variety of content and strengthen their skills as readers, writers, thinkers, and communicators in order to prepare them for future Honors ELA coursework, college, and the workplace. Quarterly book reports are a requirement for all Honors ELA courses. After students complete this course, they will be required to complete the English 2 End-of-Course exam in order to fulfill that aspect of their graduation requirements.

\*This course is single weighted.

**Course Title:** ENGLISH 3.....**CREDIT:** 1.0

**Grade Eligible:** 11

**Pre-Requisites:** English 1 and 2

**Description:** This English 3 course continues emphasis on composition skills and literary analysis through a focus on American Literature. Students will be taken on a journey through every period of American literary history, which gives the unique opportunity to experience our country's history through a variety of perspectives and lenses. Students will read a variety of short stories, non-fiction essays and poems, as well as the novel, John Steinbeck's Of Mice and Men. This class will help students prepare for the English and Reading portions of the ACT.

\*This course is single weighted.

**Course Title:** HONORS ENGLISH 3.....**CREDIT:** 1.0

**Grade Eligible:** 11

**Pre-Requisites:** meet established criteria for Honors course

**Description:** This English 3 course continues emphasis on composition skills and literary analysis through a focus on American Literature. Students will be taken on a journey through every period of American literary history, which gives the unique opportunity to experience our country's history through a variety of perspectives and lenses. Students will read a variety of short stories, non-fiction essays and poems, as well as the novel, John Steinbeck's Of Mice and Men. This class will help students prepare for the English and Reading portions of the ACT.

Quarterly book reports are a requirement for all Honors ELA courses.

\*This course is double weighted.

**Course Title:** ENGLISH 4.....**CREDIT:** 1.0

**Grade Eligible:** 12

**Pre-Requisites:** English 1-3

**Description:** The emphasis of this English 4 course is on world literature, advanced composition and information organization. Students will read from The Iliad, various autobiographical excerpts, and short stories. Students will also compose narrative, persuasive, argumentative and research based essays. Technology and vocabulary development will be intricately woven into all areas of study. This course will help students to prepare for the English and Reading portions of the ACT.

\*This course is single weighted.

**Course Title:** SPEECH.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** successful completion of Eng 1 and 2

**Description:** This Speech semester long course is planned to help students overcome their fear of speaking and performing before groups so that they will gain confidence in themselves as speakers. This course aims to give students some fundamental skills in public speaking, discussion and interpersonal communication. To enhance their public speaking skills, students will present speeches to persuade, testimonials, presentation and acceptance, informative and introductions to the class.

\*This course is single weighted.

**Course Title:** DRAMA.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** successful completion of Eng 1 and 2

**Description:** In this semester long Drama course, students will study plays by reading and watching them. Students will also be required to write their own scripts and perform skits in front of the class in order to demonstrate their understandings of the dramatic arts.

\*This course is single weighted.

**Course Title:** SCHOOL PUBLICATIONS.....**CREDIT:** 1.0

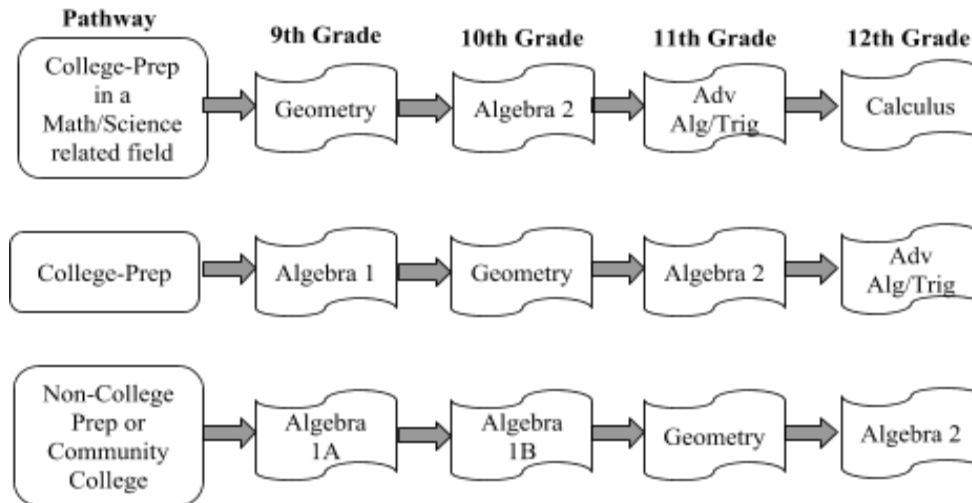
**Grade Eligible:** 11-12 (students are selected by administration with the assistance of the instructor)

**Pre-Requisites:** B average or higher in Eng1 and Eng2

**Description:** In this course students will gain skills in page design, advanced publishing techniques, editing, and photography while producing a creative, innovative yearbook which records school memories and events. Enrollment in this course requires students to attend a number of extra curricular activities in order to take photographs for the yearbook. Additionally, students are responsible for layout, design, editing, and writing stories for a bimonthly newspaper published at CHS. The ability to meet deadlines is a top priority in this course.

\*This course is single weighted.

## Mathematics Course Descriptions



### Course Descriptions

**Course Title:** ALGEBRA 1A.....**CREDIT:** 1.0

**Grade Eligible:** 9

**Pre-Requisites:** none

**Description:** Algebra 1A is a course in which students begin their study of the fundamentals of Algebra, with a specific focus on linear relationships, equations, and absolute value functions. Other topics studied include operations with real numbers, systems of linear equations, and some basic statistical concepts. Algebra 1A is the first half of a 2-year course sequence that includes all of the topics of algebra learned in Algebra I. Algebra I (or its equivalent) is a requirement for graduation. After completing both Algebra 1A and 1B, students are required to take an End of Course (EOC) exam.

\*\*\*Some universities, as well as the NCAA, only assign 0.5 credits for this course.

**Course Title:** ALGEBRA 1B.....**CREDIT:** 1.0

**Grade Eligible:** 10

**Pre-Requisites:** Algebra 1A

**Description:** Algebra 1B is a continuation of algebraic topics from Algebra 1A. Topics studied include concepts of functions, graphs of nonlinear functions, exponential relationships, and quadratic relationships. Algebra I (or its equivalent) is a requirement for graduation. After completing both Algebra 1A and 1B, students are required to take an End-of-Course (EOC) exam.

\*\*\*Some universities, as well as the NCAA, only assign 0.5 credits for this course.

**Course Title:** ALGEBRA 1.....**CREDIT:** 1.0

**Grade Eligible:** 9

**Pre-Requisites:** none

**Description:** In this Algebra 1 course, students will study algebraic fundamentals with a specific focus on linear, exponential and quadratic relationships. Other topics studied include operations with real numbers, concepts of functions, absolute value functions, and some basic statistical concepts. Algebra I (or its equivalent) is a requirement for graduation. Students who complete this course are required to take an End-of-Course (EOC) exam.

**Course Title:** GEOMETRY.....**CREDIT:** 1.0

**Grade Eligible:** 9-11

**Pre-Requisites:** Algebra 1

**Description:** This Geometry course includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, and trigonometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument.

\*This course is single weighted FOR FRESHMEN ONLY.

**Course Title:** ALGEBRA 2.....**CREDIT:** 1.0

**Grade Eligible:** 10-12

**Pre-Requisites:** Algebra 1 or its equivalent

**Description:** Algebra 2 is an upper level mathematics course that extends the knowledge and skills studied in Algebra 1 as well as introducing more advanced topics. These topics include linear equations, inequalities, systems, quadratics, polynomials, exponentials, logarithmic and rational functions, equations, and expressions, matrices, and some statistical concepts. The Algebra II EOC is a requirement for all students who did not take the Algebra I EOC while enrolled in high school.

\*This course is single weighted.

**Course Title:** ADVANCED ALGEBRA.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** Algebra 2

**Description:** Advanced Algebra is part of a 3rd / 4th year course in mathematics. It extends the topics of Algebra II such as linear relations and functions, graphing, systems of equations, quadratic, polynomial, logarithmic, and exponential functions. This course prepares students for Calculus as well as college mathematics coursework.

\*This course is double weighted.

**Course Title:** TRIGONOMETRY.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** Algebra 2, Geometry

**Description:** Trigonometry is a 3rd / 4th year course in mathematics. It provides an in depth study of Trigonometry including unit circle, right triangle trigonometric functions, graphing trigonometric functions, trigonometric identities, and Law of Sines.

\*This course is double weighted.

**Course Title:** CALCULUS.....**CREDIT:** 1.0

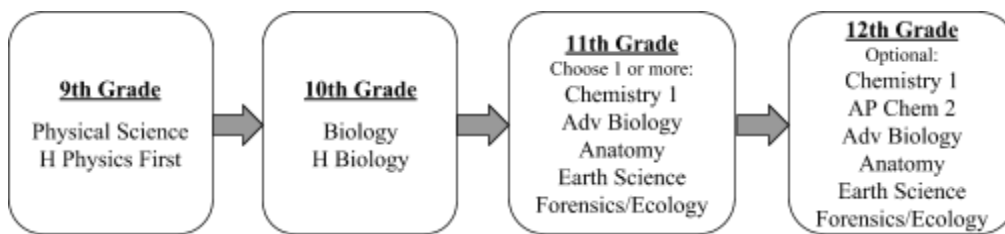
**Grade Eligible:** 12

**Pre-Requisites:** Advanced Algebra, Trigonometry

**Description:** This Calculus course is designed for college bound students seeking to further their mathematics knowledge. Students will prepare for college level mathematics with the study of functions, graphs, limits, differentiation and its applications, and integrals and their application.

\*This course is double weighted.

## Science Course Descriptions



**Course Title:** PHYSICAL SCIENCE.....**CREDIT:** 1.0

**Grade Eligible:** 9

**Pre-Requisites:** none

**Description:** In this Physical Science course, students take a practical look at physics and chemistry and their relationship to the world in which we live. Physical Science allows students to “see” their physical world through the lens of an integrated class before specializing in one single area. The concepts are linked to life experiences.

**Course Title:** PHYSICS FIRST.....**CREDIT:** 1.0

**Grade Eligible:** 9

**Pre-Requisites:** meet established criteria for Honors course

**Description:** Physics First is a Honors Physical Science course specifically for 9th grade students with a strong mathematical background beginning their high school science curriculum. Using physics as a unifying theme, topics will integrate a wide range of disciplines, both within and outside the “standard” science arena. This course will expand the understanding of motion, energy conservation, thermodynamics (heat), waves (mechanical and electromagnetic), and electromagnetism. All topics will incorporate basic scientific practices and methods. Projects, both individual and group, laboratory experiments, and research will all be integral parts of the program.

\*This course is single weighted.

**Course Title:** BIOLOGY.....**CREDIT:** 1.0

**Grade Eligible:** 10

**Pre-Requisites:** Physical Science

**Description:** Students in this Biology course will study cellular biology including cell structure and cell growth with emphasis on disease prevention, photosynthesis, respiration processes, cell division, DNA, and protein synthesis, the human body, and related issues including reproduction, diet, and exercise. Also covered are ecology and the environment, natural resources, endangered species, and principles of evolution. Laboratory skills such as observation, measurement, and technique will be developed. Students who complete this course are required to take an End-of-Course (EOC) exam.

**Course Title:** HONORS BIOLOGY.....**CREDIT:** 1.0

**Grade Eligible:** 10

**Pre-Requisites:** meet established criteria for Honors course

**Description:** Biology is a challenging course dealing with contemporary issues of Biology. A strong emphasis is placed on the cellular level of living things, genetics, evolution and ecology. Discussions about the social issues related to cellular research, such as genetic engineering and ethical use of cellular information will be expected. Traditional classifications of living things allow students an opportunity to compare and contrast the mechanisms of life. Some dissections will be required. After students have completed this course, they will be required to complete the state mandated End-of-Course exam in order to fulfill the necessary graduation requirement.

\*This course is single weighted.

**Course Title:** CHEMISTRY 1.....**CREDIT:** 1.0

**Grade Eligible:** 11-12

**Pre-Requisites:** Geometry

**Description:** Chemistry is an elective class designed to meet the needs of students with a strong background in mathematics and science. This course offers students a chance to learn the fundamental principles of chemistry, to learn safe laboratory techniques, to learn proper handling techniques of various chemical substances, and to develop problem solving and critical thinking skills needed to succeed at the college level. Chemistry is a laboratory science and participation in the laboratory is vital to student success in this course. This course is designed to complement and prepare students for AP Chemistry 2.

\*This course is double weighted.

**Course Title:** AP CHEMISTRY 2.....**CREDIT:** 1.0

**Grade Eligible:** 12

**Pre-Requisites:** Chemistry 1

**Description:** This AP Chemistry 2 course is a study of topics such as chemical equilibrium, solubility, kinetics, acids and bases, solutions, descriptive chemistry, chemical bonding, thermodynamics and electrochemistry. The course puts special emphasis on the quantitative aspects of the topics listed above. Laboratory skills will be developed and reinforced through numerous labs and activities. The schedule provides added time to complete laboratory activities. Students in this course are expected to take the Advanced Placement Chemistry exam at the conclusion of the course.

\*This course is double weighted.

**Course Title:** EARTH SCIENCE.....**CREDIT:** 1.0

**Grade Eligible:** 11-12

**Pre-Requisites:** Biology and Physical Science

**Description:** This Earth Science course deals with the exchange of energy between the various systems that make up the planet Earth. The topics studied include astronomy, rocks and minerals, geologic time, erosion and mountain building processes, weather, and oceanography.

**Course Title:** ADVANCED BIOLOGY.....**CREDIT:** 1.0

**Grade Eligible:** 11-12

**Pre-Requisites:** Biology and Physical Science

**Description:** This Advanced Biology course is designed for students who may be interested in careers in the health or science fields. Some topics covered are: cell structure, function, respiration, and fermentation; coding and transfer of cells; genetics; evolution; reproduction; animal biology; plant biology; and ecology. Topics presented in Biology are covered in greater depth and detail in this course.

\*This course is single weighted.

**Course Title:** ANATOMY & PHYSIOLOGY.....**CREDIT:** 1.0

**Grade Eligible:** 11-12

**Pre-Requisites:** Biology

**Description:** This Anatomy & Physiology course is designed as a college prep Anatomy course. Anatomy and Physiology will focus on structure and function of the human body. This course is strongly recommended for students who plan on pursuing a career in the healthcare field.

\*This course is single weighted.

**Course Title:** ECOLOGY.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** Ecology is a course that is designed to introduce students to major ecological concepts and the environmental problems that affect the world in which we live. This program provides one way in which students can become aware of the interactions of organisms and their environment. The course focuses on concepts that are real-life issues. It promotes awareness and understanding of practical everyday problems that affect the lives of all living things. It also relates important environmental issues to the lives of the students and their families.

\*This course is single weighted.

**Course Title:** FORENSIC SCIENCE.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

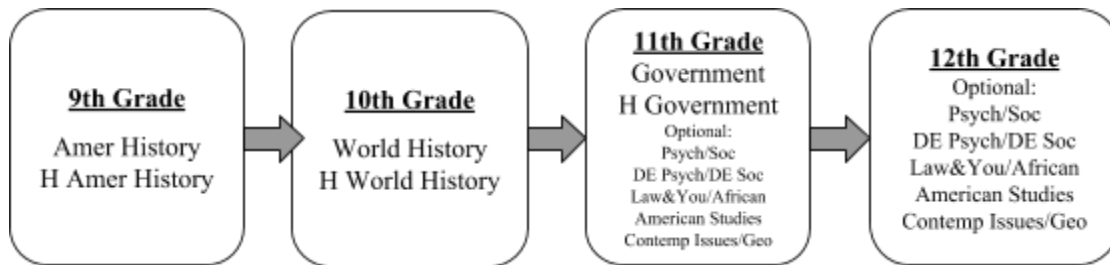
**Pre-Requisites:** none

**Description:** Forensic Science is the application of science for solving crimes. This is a course rich in exploration and lab investigations which apply many disciplines of scientific study such as biology/anatomy, chemistry, and physics to solving crimes. Students will be studying real life based cases of forensics. The cases studied in this course are fascinating, the labs engaging, and the content a satisfying application of all sciences studied up to this point.

\*This course is single weighted.



## Social Studies Course Descriptions



**Course Title:** AMERICAN HISTORY.....**CREDIT:**  
1.0

**Grade Eligible:** 9

**Pre-Requisites:** none

**Description:** This is a course required by the state of Missouri for all high school students. It is a study of the key events & people who have shaped our nation politically, socially, & economically from the post-Civil War period (Reconstruction) to the present.

**Course Title:** HONORS AMERICAN HISTORY.....**CREDIT:** 1.0

**Grade Eligible:** 9

**Pre-Requisites:** meet established criteria for Honors course

**Description:** This is a course required by the state of Missouri for all high school students. It is a study of the key events & people who have shaped our nation politically, socially, & economically from the post-Civil War period (Reconstruction) to the present. This is an honors course and as such, students should be prepared to utilize advanced critical thinking and research skills within this course.

\*This course is single weighted.

**Course Title:** WORLD HISTORY.....**CREDIT:** 1.0

**Grade Eligible:** 10

**Pre-Requisites:** American History

**Description:** World History traces the development of civilization from the Neolithic Revolution to the Age of Industrialization. This course includes the study of past civilizations and their influences on modern societies. Students focus on reading for comprehension, evaluating sources of information, and writing analytical essays. Learning activities include lecture notes, seminar discussions, films, website activities, and library research so students practice library and research skills.

**Course Title:** HONORS WORLD HISTORY.....**CREDIT:** 1.0

**Grade Eligible:** 10

**Pre-Requisites:** meet established criteria for Honors course

**Description:** This full year course is designed for students willing to commit to a class that will challenge their analytical thinking and writing skills. The purpose of World History is to develop a greater understanding of how geography along with cultural institutions and beliefs shape the evolution of human societies. Honors World History traces the development of civilization to the Age of Industrialization. Students focus on many combinations of strategies like reading for comprehension, evaluating sources of information, and writing analytical essays. Learning activities include lecture notes, seminar discussions, films, website activities, projects, and library research so students practice library and research skills.

\*This course is single weighted.

**Course Title:** AMERICAN GOVERNMENT.....**CREDIT:** 1.0

**Grade Eligible:** 11

**Pre-Requisites:** World History

**Description:** This course is a survey of the principles of the American government. The students will study the development and principles of our government, the Constitution, the Bill of Rights, and the structure and function of federal, state, and local government. The students will also learn the electoral process and the importance of political participation, law, and the legal system, and the basic economic principles of our nation. Students who complete this course are required to take an End-of-Course (EOC) exam.

\*This course is single weighted.

**Course Title:** HONORS AMERICAN GOVERNMENT.....**CREDIT:** 1.0

**Grade Eligible:** 11

**Pre-Requisites:** meet established criteria for Honors course

**Description:** This course will cover the following topics: the constitution, political beliefs and behaviors, political parties, institutions of national government, public policy and civil rights and liberties. This will be done through a combination of strategies, including a major emphasis on essay writing, that will enhance the student's abilities to synthesize information and facts. Students who complete this course are required to take an End-of-Course (EOC) exam.

\*This course is double weighted.

**Course Title:** CONTEMPORARY ISSUES.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** Using current events, this elective course focuses on world and local issues that affect students' everyday lives, such as economics, national political events, environmental news and criminal justice. This course uses newspapers, online media, cartoons, and newscasts to support class discussion. Additionally, students participate in group projects, presentations and work with primary source materials and opinion pieces in order to better understand the world around them.

\*This course is single weighted.

**Course Title:** GEOGRAPHY.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** Geography is a semester course that deals with the earth and how people interact with their environment. The course offers an understanding of the way people live in particular places and why they live as they do. Exploration of the physical and cultural features of the earth, changing earth resources, political boundaries, analyzing maps, economic growth and technological changes will also be studied. The concepts will be explored within regions.

\*This course is single weighted.

**Course Title:** LAW AND YOU.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** Law and You is a semester long social studies elective that serves as an introductory course to law and legal systems in the United States. Units will include Introduction to Law, Criminal Law and the Criminal Justice Process, and Individual Rights and Liberties. Like any introductory course, Law and You is a survey. We will touch on broad and specific legal topics to give students a better understanding of law and how it affects you in real life. We will use case studies, individual research, group discussion / debate, and mock trials throughout the course in order to reach our goal. Dueling opinions and lively debate should be the norm in this course making the class fun, enriching and meaningful.

\*This course is single weighted.

**Course Title:** AFRICAN AMERICAN HISTORY.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** African American History is a semester elective designed to develop an understanding of the causes, character, and consequences of the African American experience and its influence on the world, the United States, and the African American community. Beginning with a historical, geographical, social, political, economic, and cultural understanding of the African continent, the course will provide a descriptive and corrective overview which will introduce the student to the study of the African and African American experiences.

\*This course is single weighted.

**Course Title:** PSYCHOLOGY.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This course is designed to introduce students to psychology as a field. It will present basic psychological concepts such as brain structure, How we learn, senses and perceptions, stress and its impact on learning, and learning disabilities. These are just some of the topics that will be addressed in class. As an upper-level course, there is an expectation of weekly writing and quarterly projects.

\*This course is single weighted.

**Course Title:** SOCIOLOGY.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This course is designed to introduce students to Sociology as a field. It will present basic Sociological concepts such as why humans interact in the way that they do. In this class, students will explore the three main studies of sociology and apply their perspective to various topics in our daily lives such as the Criminal Justice System, Religion, deviancy, and human development and behavior. As an upper-level course, there is an expectation of weekly writing and quarterly projects.

\*This course is single weighted.

## Fine Art- Music Course Descriptions

**Course Title:** CHOIR.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** The CHS Choir is a performing vocal ensemble that will be featured in school events and concerts throughout the school year. All students in this class will be required to perform outside of scheduled class time as a portion of their grade. During class, students will learn to recognize and understand musical notation and apply that knowledge in rehearsal of the performance literature. This course will expand students’ knowledge and interest in choral repertoire from a variety of genres and cultures. Students will also be encouraged to participate in extra activities. Participation in this course will require an audition/interview with the instructor prior to it being added to their schedule.

**Course Title:** MUSIC APPRECIATION.....**CREDIT:**

1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** This course emphasizes the examination of music as an artistic expression and the analysis of the role music has played in the human experience. The emphasis is on Baroque, Classical, Romantic, 20th century time periods and music in Non-Western Culture.

**Course Title:** JAZZ BAND.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** must be enrolled in band, audition/interview is required

**Description:** This Jazz band course develops an understanding of representative jazz band literature through study and performance. Credit will be given for as many semesters as taken. Membership is controlled by the band director. An audition/interview is required before enrolling in the course.

\*This course is weighted +1.

**Course Title:** BAND.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** previous band experience

**Description:** This course develops an understanding of representative band literature through study, rehearsal, and performance. Credit will be given for as many semesters as taken. Students who have not taken Band during the previous school year will need to have permission from the instructor in order to enroll in the course.

## Fine Art- Visual Art Course Descriptions

**Course Title:** ART 1.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** Art 1 is designed to provide a foundation for your artistic career. Emphasis is placed on understanding the Elements of Art and Principles of Design as a basis for composition. Students will explore a variety of artists, art processes and materials such as drawing, painting, printmaking, two & three-dimensional design. Student artwork will reflect aesthetics & cultural and historical contexts. Willingness to get involved in the creative process is more important than the student's talent or previous experience. Each class in Art will become more detailed with expectations and work increasing.

**Course Title:** ART 2.....**CREDIT:** 1.0

**Grade Eligible:** 10-12

**Pre-Requisites:** Art 1

**Description:** Art 2 is designed to build on previous knowledge in the area of artistic expression. Emphasis is placed on understanding the Elements of Art and Principles of Design as a basis for composition. Students will explore a variety of artists, art processes and materials such as drawing, painting, printmaking, two & three-dimensional design. Student artwork will reflect aesthetics & cultural and historical contexts. Willingness to get involved in the creative process is more important than the student's talent or previous experience. Each class in Art will become more detailed with expectations and work increasing.

**Course Title:** ART 3.....**CREDIT:** 1.0

**Grade Eligible:** 11-12

**Pre-Requisites:** Art 1-2

**Description:** Art 3 is designed to build on previous knowledge in the area of artistic expression. Emphasis is placed on understanding the Elements of Art and Principles of Design as a basis for composition. Students will explore a variety of artists, art processes and materials such as drawing, painting, printmaking, two & three-dimensional design. Student artwork will reflect aesthetics & cultural and historical contexts. Willingness to get involved in the creative process is more important than the student's talent or previous experience. Each class in Art will become more detailed with expectations and work increasing.

**Course Title:** ART 4.....**CREDIT:** 1.0

**Grade Eligible:** 12

**Pre-Requisites:** Art 1-3

**Description:** Art 4 is designed to build on previous knowledge in the area of artistic expression. Emphasis is placed on understanding the Elements of Art and Principles of Design as a basis for composition. Students will explore a variety of artists, art processes and materials such as drawing, painting, printmaking, two & three-dimensional design. Student artwork will reflect

aesthetics & cultural and historical contexts. Willingness to get involved in the creative process is more important than the student's talent or previous experience. Each class in Art will become more detailed with expectations and work increasing.

**Course Title:** COMMERCIAL ART.....**CREDIT:** 1.0

**Grade Eligible:** 10-12

**Pre-Requisites:** Art 1

**Description:** The goal and purpose of commercial art is to help students learn how to make and market their art. Students learn how to effectively create layout and design for posters, logos, illustrations and tee shirts. Each year students will participate in ongoing displays and have their work exhibited at various locations in the community. This class is a great opportunity to learn how to strengthen art skills while demonstrating creativity. Students will be required to work everyday. Students will be in charge of keeping bulletin boards fresh throughout the district.

**Course Title:** DRAWING & PAINTING.....**CREDIT:** 1.0

**Grade Eligible:** 10-12

**Pre-Requisites:** Art 1

**Description:** An advanced course that provides an opportunity for students to expand on the drawing and painting concepts introduced in Art 1-4. Emphasis is placed on experiences with design principles, drawing techniques and painting skills leading to the development of abilities that are necessary for advanced art courses. Students are given more in depth problems to solve creatively while becoming more adept through a broad exposure to various media. You will be required to draw or paint everyday. There will also be times when you're asked to work outside of class.

## Practical Art- Business Course Descriptions

**Course Title:** INTRO TO BUSINESS.....**CREDIT:** 1.0

**Grade Eligible:** 9-10

**Pre-Requisites:** none

**Description:** This course is designed to introduce students to how business works in today's society and to provide a foundation for other business courses. Content includes business functions such as accounting, management, marketing, and other consumer issues regarding money and money management, banking system and services, government's role in business, and technology in the business world.

**Course Title:** MULTIMEDIA.....**CREDIT:** 1.0

**Grade Eligible:** 10-12

**Pre-Requisites:** none

**Description:** Students will work with multimedia software to develop electronic presentations. They will learn how to manipulate text, art and graphics, photography, animation, audio, and video for presentations in various media formats.

**Course Title:** MARKETING.....**CREDIT:** 0.5

**Grade Eligible:** 10-12

**Pre-Requisites:** Intro to Business

**Description:** This course acts as an instructional program for students who are interested in a career in the field of marketing and management. This course includes instructional areas designed to provide an understanding of the fundamental marketing processes and an orientation to the American free enterprise system.

**Course Title:** BUSINESS LAW.....**CREDIT:** 0.5

**Grade Eligible:** 10-12

**Pre-Requisites:** none

**Description:** This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content includes the basic characteristics of the American system of free enterprise, rights of private property, basic elements of contracts, employer-employee relations, landlords and tenants, individual rights, wills and estates, family and juvenile justice law, and community property.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** CAREER IMAGES.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none



**Description:** Students will engage in a variety of self-discovery initiatives through an exploration of personal interests, values, and abilities. With this information, students will utilize various techniques to define and clarify educational and career plans. In addition, several methods of researching academic and career opportunities after graduation will be explored.

**Course Title:** DESKTOP PUBLISHING.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** Students will develop proficiency in using graphic arts/desktop publishing software to create a variety of business publications such as flyers, brochures, newsletters, etc.

**Course Title:** BUSINESS TECHNOLOGY.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** This course is designed to help students develop the qualities, knowledge and skills necessary for working in a business. Areas of study include exploring career opportunities, processing information through the use of word processing, database, spreadsheet and presentation software, using office procedures and organizational skills, transcribing business correspondence, using a calculator to solve mathematical problems, simulating proper records management procedures and preparing employment documents. Personal development skills are integrated throughout the course.

**Course Title:** BUSINESS MANAGEMENT.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This course is designed for students interested in pursuing a career in business. This course includes study of business environment, types of business ownership, human resources management and management functions.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** BANKING & FINANCIAL SERVICES.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This is a course designed to help prepare students for careers in which they plan, manage, and analyze the financial and monetary aspects and success of business enterprises. Skills in money management are enhanced through study of basic concepts of economics, insurance, credit, savings, investments, and budgeting. The course will also investigate business cycles, opportunity cost, cost-benefit analysis, methods of financing business, stocks and bonds, profit and loss and other important economic concepts.

\*\*This course is offered on a rotation and thus will not be available each year.

## Practical Art- Agriculture Science Course Descriptions

**Course Title:** AG SCIENCE 1.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** This course is designed as an introduction to general agriculture. Units of instruction will include introduction to agriculture, general animal science, animal breeding and nutrition. Units of instruction will also include plant reproduction, crop science, forestry and introduction to woodworking. Instruction in leadership (FFA) and supervised agricultural experience program development as well as exposure to over 200 career opportunities will be provided.

**Course Title:** AG SCIENCE 2.....**CREDIT:** 1.0

**Grade Eligible:** 10-12

**Pre-Requisites:** Ag Science 1

**Description:** This course will teach students leadership, personal growth, career success skills, technical skills used in certain areas of AG, agribusiness management, plant systems and many other various topics related to ag science.

**Course Title:** ANIMAL SCIENCE.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** This course is the entry-level course for the Animal Science Pathway. It is designed to explore the animal science industry and the food system of the United States in order to foster an understanding of the steps involved in producing livestock products for consumers, as well as cover food safety issues. This course will involve the study of economically important food animals through their biological processes, production, and management practices. Students will be provided with the opportunity for hands-on experiences with large domestic animals housed in the Charleston FFA Livestock Facility to facilitate classroom instruction.

**Course Title:** GREENHOUSE.....**CREDIT:** 1.0

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** This course develops a basic understanding of greenhouse techniques such as care and growth of ornamental/bedding plants and the starting of plants from cuttings, seeds, grafts, and layering. Students will also explore greenhouse structures and the management of the greenhouse environment (light, temperature, water, humidity and pests).

**Course Title:** LANDSCAPING MANAGEMENT.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** Students will take part in landscape design, landscape construction, landscape maintenance, plant ID and hands on landscaping projects around school etc.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** TURF MANAGEMENT.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** Turfgrass Management emphasizes turf management skills while learning about the many different varieties of turf found around the country and world. The course of study also looks at current environmental, social, political and business issues as well as strategies followed within the turf industry.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** AG CONSTRUCTION.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** Woodworking, Intro to welding, concrete finishing etc. The main objective of this course is to get the students familiar with using certain tools and equipment that they have never seen or used or know very little about that pertain to agriculture.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** AG STRUCTURES.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** When building an agricultural structure, developing and understanding a simple construction drawing is the first step in actually producing the structure. This will be taught throughout the semester through a variety of in class construction projects.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** VET SCIENCE.....**CREDIT:** 0.5

**Grade Eligible:** 10-12

**Pre-Requisites:** Animal Science

**Description:** This course introduces students to the field of veterinary science. Major topics include veterinary terminology, safety, sanitation, anatomy/physiology, clinical exams, hospital procedures, parasitology, posology, laboratory techniques, nutrition, disease, office management, and animal management. Careers are also explored. Leadership development will be provided through FFA.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** EQUINE SCIENCE.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** Animal Science

**Description:** This course is about horse ownership and obligations, selection, age determination, colors and markings, feed and nutrition, management practices, anatomy and physiology of the horse, grooming, tack, loading, hauling, breeding and many other subjects related to horses.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** AG SALES.....**CREDIT: 0.5**

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** This course combines economic principles of business with sales, management, and service skills. Economic principles will include supply/demand, fix/variable costs, time value of money, futures/options/ market, business management, and price forecasting. Students will be expected to complete a farm or small business plan. Sales units will include human relations, personal inventory, careers, sales presentations, customer relations, marketing, purchasing, grading, and transporting.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** AG COMMUNICATIONS.....**CREDIT: 0.5**

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** Agricultural Communications is a course that will give insight to the needs of the agricultural industry. We will learn about agricultural issues that affect us locally and nationally and how we can make a difference. We will focus on individual forms of communication and utilizing it for the betterment of a group. We will learn about all types of agricultural communications such as event planning, debate, marketing, salesmanship, etc.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** CROP SCIENCE.....**CREDIT: 0.5**

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** General principles of field crop production. Factors such as environmental concerns, economic constraints, weather, soil fertility, varietal differences, cultural practices, and pests will be discussed. The course will also cover basic tillage practices, basic crop breeding and development, and harvest techniques of popular field crops. Specific crops include corn, soybeans, wheat, and other crops that have potential in the Midwest.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** AG MANAGEMENT & ECONOMICS.....**CREDIT: 1.0**

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** A course that combines economics principles of business with sales, management, and service skills. Economic principles will include supply/demand, fix/variable costs, time value of money, futures/options/ market, business management, and price forecasting. Students will be expected to complete a farm or small business plan. Sales units will include human

relations, personal inventory, careers, sales presentations, customer relations, marketing, purchasing, grading, and transporting.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** AG POWER 1.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** An introduction to engines and the tools and equipment needed to work on them. Students will be able to explain the principles of operation as well identify engine parts.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** AG POWER 2.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** Students will study engines and the tools and equipment needed to work on them. Students will be able to explain the principles of operation as well identify engine parts. Students will work on servicing engines as well as test and analyze multi cylinder components.

\*\*This course is offered on a rotation and thus will not be available each year.

**Course Title:** NURSERY OPERATION & MANAGEMENT.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** Ag Science 1 and Ag Science 2

**Description:** Students will learn to operate and manage outdoor plant farms, tree and shrub nurseries, and related facilities that develop domesticated plant products for propagation, harvesting, and transplantation.

\*\*This course is offered on a rotation and thus will not be available each year.

### Approved Agricultural Specific Career Pathways

Agricultural Business and Management Systems (01.0101)			
9th Grade:	10th Grade:	Odd Year 11th/12th Grade:	Even Year 11th/12th Grade:
Ag Science 1	Ag Science 2	Ag Management & Economics	Ag Sales and Marketing/ Ag Communications

Agricultural Mechanics and Technology Systems (01.0201)			
9th Grade:	10th Grade:	Odd Year 11th/12th Grade:	Even Year 11th/12th Grade:
Ag Science 1	Ag Science 2	Ag Power 1/ Ag Power 2	Ag Construction/ Ag Structures

<b>Plant Science/Horticulture Systems (01.0601)</b>			
<b>9th Grade:</b>	<b>10th Grade:</b>	<b>Odd Year 11th/12th Grade:</b>	<b>Even Year 11th/12th Grade:</b>
Ag Science 1	Ag Science 2	Crop Science/ Nursery Operation & Mgmt	Landscaping Mgmt/ Turf Mgmt

<b>Animal Science Systems (01.0901)</b>			
<b>9th Grade:</b>	<b>10th Grade:</b>	<b>Odd Year 11th/12th Grade:</b>	<b>Even Year 11th/12th Grade:</b>
Ag Science 1	Ag Science 2	Animal Science	Veterinary Science/ Equine Science

## Practical Art-SCTC Course Descriptions

**Course Title:** AUTO SERVICE TECHNOLOGY 1.....**CREDIT:** 3.0

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This is a beginning course in automotive technologies. Students will learn the fundamentals of maintenance and light repair through a combination of study and practical hands-on experience. Students are introduced to other automotive systems such as: electrical, fuel, cooling, brake, and powertrain. All students are expected to participate in hands-on repairs of vehicles. Pre-employment training is used to help prepare students for a job search.

**Course Title:** AUTO SERVICE TECHNOLOGY 2.....**CREDIT:** 3.0

**Grade Eligible:** 12

**Pre-Requisites:** Auto Service Technology 1

**Description:** Students will do a more in-depth study of the various systems of the automobile. New systems studied during the second year include: alternators, starters, suspension, and air conditioning. All students are expected to participate in hands-on repairs of vehicles. Pre-employment training is used to help prepare students for a job search. Students are eligible to test for student ASE certifications in Maintenance and light truck repair, along with other specialties.

**Course Title:** COLLISION REPAIR TECHNOLOGY 1.....**CREDIT:** 3.0

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This is a course applying basic techniques used throughout the I-CAR curriculum. I-CAR is an internationally recognized collision repair, paint refinishing, and basic welding training program. This course is for those seeking a career in a collision repair related field and requires math skills and reading comprehension.

**Course Title:** COLLISION REPAIR TECHNOLOGY 2.....**CREDIT:** 3.0

**Grade Eligible:** 12

**Pre-Requisites:** Collision Repair Technology 1

**Description:** Students acquire advanced conventional auto body repair skills. Students acquire these skills by repairing and refinishing wrecked vehicles. After successful completion of both Collision Repair I and II, a student can test for pro level one collision repair and pro level one refinishing I-CAR certification and should have the skills to obtain an entry level job in a collision repair shop. Students will have obtained the necessary foundation courses to advance their I-CAR training in the future.

**Course Title:** CONSTRUCTION TECHNOLOGY 1.....**CREDIT:** 3.0

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** Students will gain knowledge about and develop skills utilized in a variety of careers in the construction field. They will be introduced to a variety of tools and materials with an emphasis on safety. A variety of trades will be covered such as wiring, masonry, plumbing, roofing, and general carpentry. Highlights of this course include competition at SkillsUSA.

**Course Title:** CONSTRUCTION TECHNOLOGY 2.....**CREDIT:** 3.0

**Grade Eligible:** 12

**Pre-Requisites:** Construction Technology 1

**Description:** Second year students will engage in more specific detailed work to develop and improve “hands on” construction skills. Students completing Construction I and II will be eligible to test for an Industry Recognized Credential certification. This could lead to careers in construction, inspections, and further training in project management, or apprenticeships. Highlights of this course include competition at SkillsUSA.

**Course Title:** WELDING TECHNOLOGY 1.....**CREDIT:** 3.0

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This course is for students who are interested in learning skills in welding and metal fabrication. Students will learn theory and get hands-on training in all areas of Welding Technology; Oxyacetylene Welding-OFW, Brazing, Arc Welding-SMAW, MIG Welding-GMAW, Flux Core Welding-FCAW, TIG Welding-GTAW, Submerged Arc Welding-SAW, Oxyacetylene Cutting-OFC, Plasma Cutting-PAC, Arc Gouging, Plasma CAM Design, and Print Reading/Design. An American Welding Society Level 1- Entry Welding Certification is offered to motivated completers of this course.

**Course Title:** WELDING TECHNOLOGY 2.....**CREDIT:** 3.0

**Grade Eligible:** 12

**Pre-Requisites:** Welding Technology 1

**Description:** The second year student will work more independently on welding projects based on their ability and interest. Students will prepare for a multitude of contests throughout the year and prepare for industry standard weld test exams. Several plant tours will be taken so students can get a better insight into how the industry looks in a real world setting. An American Welding Society Level 2- Advanced Welding Certification is offered to motivated completers of this course.

**Course Title:** CRIMINAL JUSTICE 1.....**CREDIT:** 3.0

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This is a career course intended for individuals who plan to pursue a vocation in some Criminal Justice related field. The primary focus is an in-depth examination of the three branches of the American criminal justice system, specifically law enforcement, the judiciary, and corrections. First year students will also be introduced to U.S. Constitutional Law, personal values systems, and forensic science. Students will also gain practical knowledge in crime scene



investigation, professional ethics and leadership skills, and CPR. Highlights of this course include competition at the SkillsUSA Missouri State Championships in Crime Scene Investigation and Practical Police Procedure, and various field trips to course related locations.

**Course Title:** CRIMINAL JUSTICE 2.....**CREDIT:** 3.0

**Grade Eligible:** 12

**Pre-Requisites:** Criminal Justice 1

**Description:** Second year students in this course will continue with a deeper analysis of the criminal justice system, forensic science and criminal investigations, but will also shift emphasis into independent study of areas of personal interest. Highlights of this course include competition at the SkillsUSA Missouri State Championships in Crime Scene Investigation and Practical Police Procedure, and various field trips to course related locations. Exemplary students may have the opportunity to leave the classroom and participate in an internship.

**Course Title:** CULINARY ARTS 1.....**CREDIT:** 3.0

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** An instructional program that presents the world of foodservice operations and management in everyday language students can understand. Culinary Arts introduces students to restaurant and foodservice concepts not found in more traditional programs. In addition to the fun of food preparation, topics like customer relations, cost accounting, food cost controls, and marketing are covered. This knowledge can translate into higher earnings for the students down the road.

**Course Title:** CULINARY ARTS 2.....**CREDIT:** 3.0

**Grade Eligible:** 12

**Pre-Requisites:** Culinary Arts 1

**Description:** Second year of an instructional program that presents the world of foodservice operations and management in everyday language students can understand. Culinary Arts introduces students to restaurant and foodservice concepts not found in more traditional programs. In addition to the fun of food preparation, topics like customer relations, cost accounting, food cost controls, and marketing are covered. This knowledge can translate into higher earnings for the students down the road.

**Course Title:** EARLY CHILDHOOD EDUCATION 1.....**CREDIT:** 3.0

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** Students will learn about child development and the ways preschool-age children learn as well as how to develop age-appropriate learning activities for children ages 3-5. The student will begin a professional portfolio necessary for national certification. Students will also be responsible for helping to operate the Bulldog Preschool Facility.

**Course Title:** EARLY CHILDHOOD EDUCATION 2.....**CREDIT:** 3.0

**Grade Eligible:** 12

**Pre-Requisites:** Early Childhood Education 1

**Description:** Second year students will be co-teachers in the Bulldog Preschool Facility. The students will learn to write lesson plans and implement those plans with the preschool children. Students will also learn classroom management techniques required to teach preschool and will finish the remaining 480 clock hours of interaction with children required for the Child Development Associate (CDA) examination. This is a national certification recognized in 48 states and opens employment doors in State-licensed daycares as well as Head Start programs.

**Course Title:** DIGITAL MEDIA PRODUCTION 1.....**CREDIT:** 3.0

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This course will provide a foundation for the student in learning how to properly use industry standard video and audio equipment. Building upward from that foundation, students will learn the techniques used in editing on computers using state-of-the-art programs such as Adobe Premiere Pro and Adobe Audition. Proper methods to deliver video and audio content via different forms of media will be emphasized. Students will also learn how to edit and create graphics on Adobe Photoshop. This course will provide numerous opportunities to create a variety of productions which will allow them to express personal creativity. Content will be created for live sports productions as well as content shown over our video scoreboards. This is a highly technical course and above average computer skills are necessary. Adobe Certified Associate (ACA) credentials can be obtained through this course.

**Course Title:** DIGITAL MEDIA PRODUCTION 2.....**CREDIT:** 3.0

**Grade Eligible:** 12

**Pre-Requisites:** Digital Media Production 1

**Description:** This course is a continuation of Digital Media Productions I and goes into more depth. Personal specialization in a focused area of concentration will be discussed based on the interests of the student. The student and the instructor will collaborate on the area(s) the student would prefer to specialize in and pursue. Some of the specialization areas to choose from are video production, audio production, graphics for video, special effects, directing, and animation. At the end of this course, students will test for their Adobe Certified Associate (ACA) credentials, in the Premiere Pro editing program.

**Course Title:** GRAPHIC ARTS 1.....**CREDIT:** 3.0

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This course is designed to expose students to all areas of the commercial printing and advertising industry. The student will gain an intermediate knowledge of Adobe InDesign, Adobe Photoshop and Adobe Illustrator. Students need to have basic computer skills, work ethic,

and willing to work as a team. Students will also learn to screen print, use dye sublimation, digital photography, digital and offset printing presses to produce paper printed product.

**Course Title:** GRAPHIC ARTS 2.....**CREDIT:** 3.0

**Grade Eligible:** 12

**Pre-Requisites:** Graphic Arts 1

**Description:** This course will advance the student’s knowledge and skill in all phases of commercial printing and advertising industry. Student projects will focus on actual commercial printing jobs and the continued knowledge and experience of the screen printing and design. Students will test for their Adobe certification and will be ready for entry level commercial printing, design, and screen printing jobs. Students who complete this program are also prepared for pursuing a degree in graphic design and advertising.

**Course Title:** HEALTH OCCUPATIONS 1.....**CREDIT:** 3.0

**Grade Eligible:** 11

**Pre-Requisites:** none

**Description:** During this course the students will learn patient care skills in the classroom and lab. Students will learn basic nursing and communication skills, anatomy and physiology, path physiology, medical terminology, and abbreviations. There is a strong emphasis on medical math. American Heart Association Heart-Saver CPR and First Aid certification will be available. Students are eligible to join a national student professional organization, Health Occupations Students of America (HOSA) and SkillsUSA.

**Course Title:** HEALTH OCCUPATIONS 2.....**CREDIT:** 3.0

**Grade Eligible:** 12

**Pre-Requisites:** none

**Description:** This course applies the knowledge gained in Health Occupations I to the skills and coursework required to become a Certified Nursing Assistant, an entry-level career in the healthcare field. Health Occupations 1 is not a requirement to enroll in this course, though a strong basic understanding of writing and math is critical. Curriculum encompasses the foundations of healthcare, safety, legal and ethical responsibilities, healthcare careers, customer service, and step-by-step instructions for nurse assisting. Students will become certified in Basic Life Support for Health Care Providers and gain hands-on experience through clinical hours completed in a local skilled nursing facility. There, they will be required to provide all aspects of direct personal care for the elderly. CP credit students and those wishing to deepen their educational experience will be offered assignments that will require a more detailed exploration of the course topics which will challenge the student and provide a greater basis for further nursing and/or medical education. Upon completion of state mandated classroom and clinical hours, mastery of all skills, successful knowledge of material, and satisfactory attendance, the student will be eligible to sit for the Missouri State licensing exam at the end of the Spring semester.

## World Languages Course Descriptions

**Course Title:** SPANISH 1.....**CREDIT:**  
1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** Spanish 1 is an introductory course that emphasizes real-world interactions and usage of the Spanish language, while highlighting cultural aspects of the Spanish-speaking world. Students will learn reading, writing, listening and speaking of the Spanish language.

**Course Title:** SPANISH 2.....**CREDIT:** 1.0

**Grade Eligible:** 10-12

**Pre-Requisites:** Spanish 1

**Description:** Spanish 2 is a continuation of Spanish 1 with an emphasis in strengthening students' comprehension and usage of the Spanish language. Spanish 2 also focuses on real-world interactions using the Spanish language and highlights cultural aspects of the Spanish-speaking world. Vocabulary will become more complex throughout the year.

\*This course is single weighted.

**Course Title:** SPANISH 3.....**CREDIT:**  
1.0

**Grade Eligible:** 11-12

**Pre-Requisites:** Spanish 1 prior to the 2017-2018 school year and have since taken Spanish 2

**Description:** Spanish 3 is an advanced study of the Spanish language and cultures associated with the Spanish-speaking world. Students will focus on grammar, vocabulary, writing, listening and speaking skills in order to use the Spanish language in real-world interactions with others. This class builds upon the skills learned in previous Spanish courses.

\*This course is double weighted.

**Course Title:** FRENCH 1.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** French 1 is an introductory course that emphasizes real-world interactions and usage of the French language, while highlighting cultural aspects of the French-speaking world. Students will learn reading, writing, listening and speaking of the French language.

**Course Title:** FRENCH 2.....**CREDIT:** 1.0

**Grade Eligible:** 10-12

**Pre-Requisites:** French 1

**Description:** French 2 is a continuation of French 1 with an emphasis in strengthening students' comprehension and usage of the French language. French 2 also focuses on real-world

interactions using the French language and highlights cultural aspects of the French-speaking world. Vocabulary will become more complex throughout the year.

\*This course is single weighted.

**Course Title:** GERMAN 1.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** German 1 is an introductory course that emphasizes real-world interactions and usage of the German language, while highlighting cultural aspects of the German-speaking world. Students will learn reading, writing, listening and speaking of the German language.

**Course Title:** GERMAN 2.....**CREDIT:** 1.0

**Grade Eligible:** 10-12

**Pre-Requisites:** German 1

**Description:** German 2 is a continuation of German 1 with an emphasis in strengthening students' comprehension and usage of the German language. German 2 also focuses on real-world interactions using the German language and highlights cultural aspects of the German-speaking world. Vocabulary will become more complex throughout the year.

\*This course is single weighted.

## JAG Course Description

**Course Title:** JOBS FOR AMERICAN GRADUATES.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** Jobs for America’s Graduates – Missouri is a career exploration and preparation course that provides a hands-on approach to exploring personal strengths and challenges as well as job attainment skills and workplace “survival” skills. Students will work to build strengths in academic areas, time management, and communication. Individual and team project work will help students come to an understanding of their personality and temperament and the relationship between personal actions and the consequences that follow. Students will make connections to their career interests, abilities, and aptitudes by determining their education and career goals through the use of an Individual Development Plan. This course involves individual assignments, team activities/projects, academic remediation support, service learning opportunities, guest speakers, field trips, and career exploration. Students will also participate in the JAG-Missouri Career Association in various activities focused on Career and Leadership Development, Service Learning, and Civic and Social Awareness.

## Physical Education Course Descriptions

**Course Title:** PHYSICAL EDUCATION.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** This course offers a variety of team sports and lifetime sports including: basketball, flag football, Ultimate Frisbee, recreational sporting activities, aerobics, jogging, walking, strength and endurance training. While improving their levels of fitness, students gain a base knowledge for a variety of sports, activities, and wellness. Health and strength levels will be monitored throughout the year.

**Course Title:** LIFETIME FITNESS.....**CREDIT:** 1.0

**Grade Eligible:** 9-12

**Pre-Requisites:** none

**Description:** This course will provide the student that is interested in athletics with increasing their overall body conditioning. Students will focus on human anatomy while participating in an advanced weightlifting routine emphasizing strength building, speed, agility, muscle toning/development, flexibility, cardiovascular endurance, and injury prevention strategies. Students will understand the importance of setting goals for personal improvement and achievement. Students will leave the class with a lifelong understanding of how to maintain adequate physical fitness for a healthy lifestyle.

## Required Course Descriptions

**Course Title:** HEALTH.....**CREDIT:** 0.5

**Grade Eligible:** 10-12 (generally taken in 10th grade)

**Pre-Requisites:** none

**Description:** This is an introductory course of health that stresses current health issues facing our society today. Emphasis is placed on structure and function of the different body systems, facts concerning substance abuse, ways to avoid substance abuse, nutrition, communicable diseases and their prevention, and other health issues that can affect the quality of one's life.

**Course Title:** PERSONAL FINANCE.....**CREDIT:** 0.5

**Grade Eligible:** 10-12 (generally taken in 10th grade)

**Pre-Requisites:** none

**Description:** This course emphasizes the understanding of money management, saving, investing, spending and credit. Real life simulations and scenarios are used to teach students the basic principles of personal finance.



## Additional Elective Course Descriptions

**Course Title:** ACT PREP.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This ACT Prep course is intended for college-bound juniors and seniors who want to improve their ACT Composite Score. This course will include an ACT content review and specific test-taking strategies for the ACT subtests to prepare students for the ACT. This is an online course.

**Course Title:** ASVAB PREP.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** This ASVAB Prep course is intended for juniors and seniors who plan to enter the military and want to improve their ASVAB score. This course will contain test prep in the subtests that are used to calculate the entrance score. This is an online course.

**Course Title:** CADET TEACHING.....**CREDIT:** 1.0

**Grade Eligible:** 12

**Pre-Requisites:** admin approval based on attendance/behavior/grades

**Description:** This course will allow students to experience what it is like to be a classroom teacher. Students will go to an elementary or middle school classroom as a tutor and as an observer, and will work with individuals, small groups and large groups. Students interested in pursuing a career in the field of education should consider this course.

**Course Title:** OFFICE WORKER.....**CREDIT:** 1.0

**Grade Eligible:** 12

**Pre-Requisites:** admin approval, based on attendance/behavior/grades

**Description:** Students chosen for this highly selective course will provide help in the school office. Students will perform such tasks as greeting and recording outside visits and assisting with general office duties/tasks. These students should have a positive demeanor and general grasp of office management.

## Dual Enrollment Course Descriptions

**Course Title:** EN100 ENGLISH COMPOSITION.....**CREDIT:** 0.5

**Grade Eligible:** 12

**Pre-Requisites:** English placement test

**Description:** Students must take and pass an entrance exam to be accepted into this course. The course focuses on techniques of effective written expression. Students who successfully complete this course will earn 3 hours of college credit.

\*This course is double weighted.

**Course Title:** EN140 RHETORIC & CRITICAL THINKING.....**CREDIT:** 0.5

**Grade Eligible:** 12

**Pre-Requisites:** English placement test and EN100

**Description:** This course focuses on effective written expression in the context of a liberal education; emphasis upon critical thinking and the research paper. Students who successfully complete this course will earn 3 hours of college credit.

\*This course is double weighted.

**Course Title:** PY101 PSYCHOLOGICAL PERSPECTIVES ON BEHAVIOR....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** Examination of human behavior and experience from a psychological perspective. Application of psychological principles to understanding of human behavior. Students who successfully complete this course will earn 3 hours of college credit.

\*This course is double weighted.

**Course Title:** SO102 SOCIETY, CULTURE, AND SOCIAL BEHAVIOR.....**CREDIT:** 0.5

**Grade Eligible:** 11-12

**Pre-Requisites:** none

**Description:** A series of lectures, projects and group discussions analyzing the impact of society and culture on human social behavior. Students who successfully complete this course will earn 3 hours of college credit.

\*This course is double weighted.

Before signing up for these courses, please be aware of the following:

1. These are college courses and may be different/more difficult than other courses that have been taken in the past.
2. The grade given by the SEMO professor will be the grade listed on the high school transcript.
3. These courses are double weighted in order to account for their difficult nature.
4. These courses do come at a cost to the student. Please see the high school counselor for current pricing information.

## Business Management and Administration Career Pathway

### Definition

Business, management, and administrative workers give the support needed to make a business run. You might check employee time records or train new employees. Or, you might work as a top executive and provide the overall direction for a company or department.

### Sample Careers

#### On the Job Training or Less

- Billing Clerks
- Bookkeeping and Accounting Clerks
- Computer Operators
- Couriers and Messengers
- Data Entry
- File Clerks
- General Office Clerks
- Human Resources Assistants
- Interviewing Clerks
- Mail Clerks
- Order Clerks and Stock Clerks
- Payroll and Timekeeping clerks
- Secretaries
- Shipping and Receiving Clerks

#### Technical Training or Associate Degree

- Court Reporters
- First-Line Supervisors/Managers
- General and Operations Managers
- Production and Operating Workers

#### Bachelor Degree

- Administrative Services Managers
- Advertising Managers
- Business Executives
- Computer and Information Systems Managers
- Human Resources Managers
- Job Benefits and Analysis Specialists
- Management Analysts
- Market Research Analysts
- Meeting and Convention Planners
- Property and Real Estate Managers
- Public Relations Managers, Specialists
- Purchasing Manager and Sales Managers
- Regulatory Affairs Specialists
- Social and Community Services Managers
- Storage and Distribution Manager

#### Master Degree or Higher

- Business Teacher, Postsecondary
- Chief Executives
- Controller, Treasurers
- Economists
- Medical and Health Services Managers
- Operations Research Analysts
- Statistician

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology

				Anatomy Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law & You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>none</b>	<b>none</b>
<b>Courses that Correspond with Career Cluster</b>	<b>Intro to Business Business Tech</b>	<b>Intro to Business Business Tech Multimedia Marketing Business Law*</b>	<b>Business Tech Multimedia Marketing Business Law* Career Images Desktop Publishing Business Mgmt* Banking&amp;Finance *</b>	<b>Business Tech Multimedia Marketing Business Law* Career Images Desktop Publishing Business Mgmt* Banking&amp;Finance *</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>Future Business Leaders of America</b>	<b>Future Business Leaders of America</b>	<b>Future Business Leaders of America</b>	<b>Future Business Leaders of America</b>

\*Indicates courses which are not taught each year.

## Finance Career Pathway

### Definition

Finance workers keep track of money. You might work in financial planning, banking, or insurance. For example, you might provide financial services to a business or individual. Or, you could maintain financial records or give advice to business executives on how to operate their business.

### Sample Careers

#### On the Job Training or Less

- Bank Tellers
- Bill and Account Collectors
- Brokerage Clerks
- Credit Checkers and Authorizers
- Insurance Adjusters and Examiners
- Insurance Claims Clerk
- Insurance Policy and Claims Clerks
- Loan Clerks
- Tax Preparers
- Title Examiners and Searchers

#### Technical Training or Associate Degree

- Claims Examiners, Property and Casualty Insurance
- Insurance Appraisers, Auto Damage
- Insurance Sales Agents
- Insurance Underwriters

#### Bachelor Degree

- Accountants and Auditors
- Appraisers and Assessors
- Budget Analysts
- Credit Analysts
- Financial Analysts
- Financial Examiners
- Financial Managers
- Insurance Agents
- Insurance Underwriters
- Loan Officers
- Securities Salespeople

#### Master Degree or Higher

- Actuaries
- Business Teacher, Postsecondary
- Economists
- Treasurers and Controllers

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honors Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych	Optional: Sociology/Psych Cont Issues/Geo AA History/ Law

			Cont Issues/Geo AA History/ Law&You DE Psych/Soc	&You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>none</b>	<b>none</b>
<b>Courses that Correspond with Career Cluster</b>	<b>Geometry</b> <b>Intro to Business</b>	<b>Algebra 2</b>	<b>Advanced Alg/Trig</b> <b>ACT Prep</b>	<b>Calculus</b> <b>Career Images</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>Future Business Leaders of America</b>	<b>Future Business Leaders of America</b>	<b>Future Business Leaders of America</b>	<b>Future Business Leaders of America</b>

## Information Technology Career Pathway

### Definition

Information technology workers are in a growing and always changing field. You might work with computer hardware, software, multimedia, or network systems. You might design new computer equipment or work on a new computer game. Some information technology workers support and manage computer hardware. For example, you might make sure the networks are working or manage a network that links people across the world. Or, you might support others and answer questions about specific software or hardware.

### Sample Careers

#### Technical Training or Associate Degree

- Computer Operators
- Computer Support Specialists
- Network Systems and Data Communications Analysts
- Numerical Tool and Process Control Programmers
- Web Administrators
- Web Developers

#### Master Degree or Higher

- Computer and Information Scientists, Research
- Computer Science Teachers, Postsecondary
- Engineering Managers

#### Bachelor Degree

- Computer and Information Systems Managers
- Computer Engineers
- Computer Programmers
- Computer Security Specialists
- Computer Software Engineers
- Computer Systems Administrators
- Computer Systems Analysts
- Data Communications analysts
- Database Administrators
- Graphic Designers
- Multimedia Artists and Animators
- Network and Computer Systems Administrators
- Software Quality Assurance Engineers and Tester

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional:	Optional: Sociology/Psych Cont Issues/Geo

			Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>none</b>	<b>none</b>
<b>Courses that Correspond with Career Cluster</b>	<b>Business Tech Intro to Business</b>	<b>Business Tech</b>	<b>Multimedia Business Tech</b>	<b>Desktop Publishing Business Tech</b>
<b>Clubs and Activities related to Career Cluster</b>				



## Marketing, Sales, and Service Career Pathway

### Definition

Marketing, sales, and service workers help businesses sell products. You might advertise and promote products so customers want to buy them. Or, you might sell products and services to customers. For example, you might develop a marketing plan for a small start-up company; sell furniture; or measure and fit lenses and frames for eyeglass customers.

### Sample Careers

#### On the Job Training or Less

- Advertising Salespeople
- Buyers and Purchasing Agents
- Cashiers
- Counter and Rental Clerks
- Demonstrators and Promoters
- Floral Designers
- Merchandise Displayers
- Models
- Opticians
- Parts Salespeople
- Retail Salespeople
- Route Salespeople
- Telemarketers

#### Bachelor Degree

- Art Directors
- Editors
- Market Research Analysts
- Public Relations Specialists
- Sales Managers
- Sales Representatives
- Survey Researchers
- Technical Writers

#### Technical Training or Associate Degree

- Advertising Sales Agents
- Assessors
- Fashion Designers
- Interior Designers
- Lodging Managers
- Property, Real Estate, and Community Association Managers
- Real Estate Brokers
- Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products
- Travel Agents
- Wholesale and Retail Buyers, Except Farm Products

#### Master Degree or Higher

- Business Teacher, Postsecondary
- Marketing Managers
- Public Relations Managers
- Purchasing Managers
- Sales Managers

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy

				Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>none</b>	<b>none</b>
<b>Courses that Correspond with Career Cluster</b>	<b>Intro to Business Business Tech</b>	<b>Intro to Business Business Tech Multimedia Marketing Business Law*</b>	<b>Business Tech Multimedia Marketing Business Law* Career Images Desktop Publishing Business Mgmt* Banking&amp;Finance*</b>	<b>Business Tech Multimedia Marketing Business Law* Career Images Desktop Publishing Business Mgmt* Banking&amp;Finance*</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>Future Business Leaders of America</b>	<b>Future Business Leaders of America</b>	<b>Future Business Leaders of America</b>	<b>Future Business Leaders of America</b>

\*Indicates courses that are not taught each year.

## Agriculture, Food, and Natural Resources Career Pathway

### Definition

Agriculture, food, and natural resources workers produce agricultural goods. This includes food, plants, animals, fabrics, wood, and crops. You might work on a farm, ranch, dairy, orchard, greenhouse, or plant nursery. You could also work in a clinic or laboratory as a scientist or engineer. Some agriculture, food, and natural resources workers market, sell, or finance agricultural goods. For example, you might market products made from plants and animals. Or, you might sell services that farmers and ranchers use to improve products. You could also work to conserve natural resources or protect the environment.

### Sample Careers

#### On the Job Training or Less

- Animal Caretakers
- Animal Trainers
- Bakers
- Commercial Fishers
- Farm and Ranch Workers
- Farm Equipment Mechanics
- Farmers
- Food Processing Workers
- Log Graders and Scalers
- Loggers
- Meat Cutters
- Mining Machine Operators
- Nursery Workers
- Rock Splitters
- Trash Collectors
- Veterinary Assistants
- Water Treatment Plant Operators

#### Technical Training or Associate Degree

- Fish and Game Wardens
- Forestry Technicians
- Precision Agriculture Technicians

#### Bachelor Degree

- Agricultural Engineers
- Agricultural Scientists
- Animal Scientists
- Conservation Scientists
- Farm and Home Management Advisors
- Food Scientists
- Foresters
- Park Naturalists
- Zoologists

#### Master Degree or Higher

- Agricultural Sciences Teachers, Postsecondary
- Animal Scientists
- Farm and Home Management Advisors
- Veterinarians
- Zoologists and Wildlife Biologists

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology

				Anatomy Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>none</b>	<b>none</b>
<b>Courses that Correspond with Career Cluster</b>	<b>Ag Science 1 Animal Science</b>	<b>Ag Science 1 Ag Science 2 Animal Science Vet/Equine Science</b>	<b>Ag Science 1 Ag Science 2 Animal Science Vet/Equine Science Greenhouse Ag Sales/Comm Ag Const/Struct Land/Turf Manage Adv Bio Zoology</b>	<b>Ag Science 1 Ag Science 2 Animal Science Vet/Equine Science Greenhouse Ag Sales/Comm Ag Const/Struct Land/Turf Manage Adv Bio Zoology</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>Future Farmers of America</b>	<b>Future Farmers of America</b>	<b>Future Farmers of America</b>	<b>Future Farmers of America</b>

**Agricultural Business and Management Systems (01.0101)**

<b>9th Grade:</b>	<b>10th Grade:</b>	<b>Odd Year 11th/12th Grade:</b>	<b>Even Year 11th/12th Grade:</b>
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Ag Science 1	Ag Science 2	Ag Management & Economics	Ag Sales and Marketing/ Ag Communications
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<b>Agricultural Mechanics and Technology Systems (01.0201)</b>			
<b>9th Grade:</b>	<b>10th Grade:</b>	<b>Odd Year 11th/12th Grade:</b>	<b>Even Year 11th/12th Grade:</b>
Ag Science 1	Ag Science 2	Ag Power 1/ Ag Power 2	Ag Construction/ Ag Structures

<b>Plant Science/Horticulture Systems (01.0601)</b>			
<b>9th Grade:</b>	<b>10th Grade:</b>	<b>Odd Year 11th/12th Grade:</b>	<b>Even Year 11th/12th Grade:</b>
Ag Science 1	Ag Science 2	Crop Science/ Nursery Operation & Mgmt	Landscaping Mgmt/ Turf Mgmt

<b>Animal Science Systems (01.0901)</b>			
<b>9th Grade:</b>	<b>10th Grade:</b>	<b>Odd Year 11th/12th Grade:</b>	<b>Even Year 11th/12th Grade:</b>
Ag Science 1	Ag Science 2	Animal Science	Veterinary Science/ Equine Science

## Education and Training Career Pathway

### Definition

Education and training workers guide and train people. As a teacher, you could influence young lives. You could also support the work of a classroom teacher as a counselor, librarian, or principal. You could coach sports activities or lead community classes. You could also work with adults. For example, you could lead training to employees in a business. Or you could work as a university or college professor for undergraduate or graduate students.

### Sample Careers

#### On the Job Training or Less

- Audio-Visual Specialists
- Coaches and Scouts
- Library Assistant
- Teacher Aides

#### Bachelor Degree

- Adult and Vocational Education Instructors
- Adult Literacy, Remedial Education, GED Teachers
- Audio-Visual Specialists
- Education Administrators
- Elementary School Teachers
- Employee Training Specialists
- High School Teachers
- Kindergarten Teachers
- Middle School Teachers
- Poets, Lyricists, and Creative Writer
- Public Health Educators
- Special Education Teachers

#### Technical Training or Associate Degree

- Adult and Vocational Education Instructors
- Fitness Trainers and Aerobics Instructors
- Library Technical Assistants
- Preschool Teachers
- Teacher Assistants

#### Master Degree or Higher

- Adult and Vocational Education Instructors
- Audiologists
- Coaches and Scouts
- College and University Administrators
- Curriculum and Instruction
- Dieticians and Nutritionists
- Education Administrators
- Historians
- Instructional Coordinators
- Librarians
- School Psychologists
- Speech Pathologists
- Teacher

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy Forensics/Ecology

<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>Early Childhood Ed 1</b>	<b>Early Childhood Ed 2</b>
<b>Courses that Correspond with Career Cluster</b>			<b>Psych/Soc DE Psych/Soc</b>	<b>Cadet Teaching Psych/Soc DE Psych/Soc</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>Future Teachers of America SADD</b>	<b>Future Teachers of America SADD</b>	<b>Future Teachers of America SADD SkillsUSA</b>	<b>Future Teachers of America SADD SkillsUSA</b>

## Government and Public Administration Career Pathway

### Definition

Government and public administration workers help pass and enforce the law. You could work in national, state, or local government. You will find almost every type of occupation within the government, including some jobs that are only found within government. For example, you might inspect new or remodeled buildings for safety, help people file the paperwork for a marriage license, or create proposals for urban development.

### Sample Careers

#### On the Job Training or Less

- Compliance Officers and Inspectors
- Government Benefits Interviewers
- Interpreters and Translators
- License Clerks
- Mail Carriers
- Meter Readers
- Postal Clerks

#### Technical Training or Associate Degree

- Assessors
- Eligibility Interviewers, Government Programs
- General, Operations and Transportation Managers
- Licensing Examiners and Inspectors
- Municipal and Court Clerks
- Postmasters and Mail Superintendents
- Tax Examiners, Collectors, and Revenue Agents
- Tax Preparers

#### Bachelor Degree

- Administrative Services Managers
- Broadcast News Analysts & Public Relations Specialists
- City and Regional Planning Aides
- Emergency Management Specialists
- Equal Opportunity Representatives and Officers
- Financial Examiners
- Legislators
- Reporters and Correspondents
- Social and Community Service Managers
- Storage and Distribution Managers
- Urban and Regional Planners

#### Master Degree or Higher

- Architecture Teachers, Postsecondary
- Chief Executives
- Communications Teachers, Postsecondary
- Coroners
- Economists
- Engineering Managers
- Political Science Teachers, Postsecondary
- Political Scientists

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy	Optional: Chemistry 1 AP Chemistry 2 Earth Science



			Forensics/Ecology	Adv Biology Anatomy Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>none</b>	<b>none</b>
<b>Courses that Correspond with Career Cluster</b>			<b>Psych/Soc DE Psych/Soc Law &amp; You Contemp Issues</b>	<b>Psych/Soc DE Psych/Soc Law &amp; You Contemp Issues</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>SADD Key Club Student Council</b>	<b>SADD Key Club Student Council</b>	<b>SADD Key Club Student Council NHS</b>	<b>SADD Key Club Student Council NHS</b>

## Hospitality and Tourism Career Pathway

### Definition

Hospitality and tourism workers help people enjoy vacations and entertainment activities. You might work at a restaurant, resort, sports arena, theme park, museum, or hotel. For example, you might manage operations of a college cafeteria, guide high school students on a trip to Spain, or rent equipment at a recreation center.

### Sample Careers

#### On the Job Training or Less

- Amusement and Recreation Workers
- Baggage Porters and Bellhops
- Bartenders
- Casino Gaming Workers
- Chefs and Dinner Cooks
- Counter
- Attendants
- Fast Food Cooks
- Food Preparation Workers
- Hotel Desk Clerks
- Janitors and Cleaners
- Maids and Housekeepers
- Professional Athletes
- Recreation Attendants
- Recreation Guides
- Recreation Workers
- Tour Guides
- Umpires and Referees
- Waiters and Waitresses

#### Technical Training or Associate Degree

- Animal Trainers
- Casino Gaming Workers
- First-Line Supervisors/Managers of Housekeeping and
- Janitorial Workers
- Flight Attendants
- Food Service Managers
- Lodging Managers
- Reservation and Transportation
- Ticket Agents and Travel
- Clerks
- Residential Advisors
- Self Enrichment Education Teachers
- Travel Agents

#### Bachelor Degree

- Interpreters and Translators
- Meeting and Convention Planners
- Recreation Workers
- Set and Exhibit Designers
- Social and Community Service Managers

#### Master Degree or Higher

- Farm and Home Management Advisor

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy Forensics/Ecology

<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>Culinary Arts 1</b>	<b>Culinary Arts 2</b>
<b>Courses that Correspond with Career Cluster</b>		<b>Multimedia Marketing</b>	<b>Geography Multimedia Marketing</b>	<b>Geography Multimedia Marketing Office Worker</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>FBLA Foreign Lang Club</b>	<b>FBLA Foreign Lang Club</b>	<b>FBLA Foreign Lang Club SkillsUSA</b>	<b>FBLA Foreign Lang Club SkillsUSA</b>

## Human Services Career Pathway

### Definition

Human services workers help individual and families meet their personal needs. You might work in a government office, hospital, nonprofit agency, nursing home, spa, hotel, or school. Or, you might work in your own home. For example, you might help students with career and education choices at a high school, cut and color hair in a salon, or manage funeral services at a funeral home.

### Sample Careers

#### On the Job Training or Less

- Child Care Workers
- Customer Service Representatives
- Funeral Attendants
- Laundry and Dry Cleaning Workers
- Lifeguards and Other Recreational Protective Service Workers
- Residential Counselors
- Social and Human Service Assistants

#### Technical Training or Associate Degree

- Barbers
- Embalmers and Funeral Director
- Government Programs
- Hairstylists and Cosmetologists
- Manicurists
- Preschool Teacher
- Professional Makeup Artists
- Residential Advisors
- Skin Care Specialists
- Social and Human Service Assistants

#### Bachelor Degree

- Addiction Counselors
- Director, Religious Activities and Education
- Early Childhood Educator
- Financial Counselors
- Health Educators
- Recreation Workers
- Rehabilitation Counselors
- Social and Community Service Manager
- Social Workers

#### Master Degree or Higher

- Clergy
- Industrial-Organizational Psychologists
- Marriage and Family therapists
- Mental Health Counselors
- Psychologists
- Rehabilitation Counselors
- School Counselors
- Social Workers
- Substance Abuse and Behavioral Disorder Counselors
- Teachers, Postsecondary

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy

				Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>Early Childhood Ed 1</b>	<b>Early Childhood Ed 2</b>
<b>Courses that Correspond with Career Cluster</b>			<b>Psych/Soc DE Psych/Soc</b>	<b>Psych/Soc DE Psych/Soc</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>SADD</b>	<b>SADD</b>	<b>SADD SkillsUSA</b>	<b>SADD SkillsUSA</b>

## Law, Public Safety, Corrections, and Security Career Pathway

### Definition

Law, public safety, corrections, and security workers are found in a variety of settings. For example, you might guard the public and enforce the law as a police officer or security guard. Or, you might provide fire protection as a firefighter. Other workers provide legal services to people who commit crimes. For example, you might monitor activities within a prison, advise clients of their legal rights, or research legal procedures to support court cases.

### Sample Careers

#### On the Job Training or Less

- Ambulance Drivers
- Animal Control Workers
- Bailiffs
- Corrections Officers
- Court Clerks
- Crossing Guards
- Fire Fighters
- Forest Fire Fighters
- Gaming Surveillance Officers and Gaming Investigators
- Life Guards and Ski Patrol
- Trollers
- Parking Enforcement Officers
- Parking Enforcement Workers
- Police, Fire, and Ambulance Dispatchers
- Security Guards
- Sheriffs
- Transportation Security Agents

#### Bachelor Degree

- Arbitrators and Mediators
- Coroners
- Correctional Treatment Specialists
- Criminal Investigators and Special Agents
- Emergency Management Specialists
- Forensic Science Technicians
- Immigration and Customs Inspectors
- Judges and Hearing Officers
- Law Clerks
- Probation Officers

- Correctional Officers and Jailers
- Court Reporters
- Emergency Medical Technicians and Paramedics
- Fire Investigators
- First-Line Supervisors/Managers of Police and Detectives
- Forest Fire Fighting and Prevention Supervisors
- Forest Fire Inspectors and Prevention Specialists
- Legal Secretaries
- Municipal Fire Fighting and Prevention Supervisors
- Paralegals and Legal Assistants
- Police Detectives
- Police Identification and Records Officers
- Police Patrol Officers
- Private Detectives and Investigators
- Sheriffs and Deputy Sheriffs
- Title Examiners, Abstractors, and Searchers
- Transit and Railroad Police

#### Master Degree or Higher

- Anthropology and Archeology Teachers, Postsecondary
- Child, Family, and School Social Workers
- Criminal Justice and Law Enforcement Teachers, Postsecondary
- Lawyer
- Psychology Teachers, Postsecondary

### Technical Training or Associate Degree

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English

<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La & You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>Criminal Justice 1</b>	<b>Criminal Justice 2</b>
<b>Courses that Correspond with Career Cluster</b>			<b>Law &amp; You Psych/Soc DE Psych/Soc</b>	<b>Law &amp; You Psych/Soc DE Psych/Soc</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>SADD</b>	<b>SADD</b>	<b>SkillsUSA SADD</b>	<b>SkillsUSA SADD</b>

## Architecture and Construction Career Pathway

### Definition

Architecture and construction workers work on buildings and other structures. This includes highways, bridges, houses, and buildings. You might create the designs or plans for new structures. Or, you might use the plans to build it or manage the workers on the project. Some architecture and construction workers do skilled trades, like carpentry, painting, or plumbing. For example, you might do all of the electrical work for a renovated office space. Or, you might work as a landscaper and take care of flowers and trees on large properties.

### Sample Careers

#### On the Job Training or Less

- Bricklayers, Stonemasons and Cement Masons
- Cabinet makers and Carpenters
- Drywall Finishers & installers and Plasterers
- Electricians
- Fence Builders
- Heating and Cooling System Mechanics
- Highway Maintenance Workers & Paving Equip Operators
- Line Installers and Repairers
- Plumbers and Pipefitters
- Roofers
- Sheet Metal Workers and Structural Metal Workers
- Surveying and Mapping Technicians
- Tile Setters

#### Technical Training or Associate Degree

- Commercial Divers
- Drafters
- Energy Auditors
- Interior Designer

#### Bachelor Degree

- Architects
- Construction Managers
- Cost Estimators
- Landscape Architects
- Surveyors

#### Master Degree or Higher

- Architects, Except Landscape and Naval
- Architecture Teachers, Postsecondary
- Engineering Managers
- Engineering Teachers, Postsecondary
- Historians
- Operations Research Analysts
- Political Scientists
- Sociologists
- Sociology Teachers, Postsecondary

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy Forensics/Ecology



<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>Construction Technology 1</b>	<b>Construction Technology 2</b>
<b>Courses that Correspond with Career Cluster</b>	<b>JAG Ag Science 1</b>	<b>JAG Ag Science 2</b>	<b>Ag Structures Ag Construction Greenhouse Land/Turf Mang JAG</b>	<b>Ag Structures Ag Construction Greenhouse Land/Turf Mang JAG</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>FFA</b>	<b>FFA</b>	<b>SkillsUSA FFA</b>	<b>SkillsUSA FFA</b>

## Manufacturing Career Pathway

### Definition

Manufacturing workers work with products and equipment. You might design a new product, decide how the product will be made, or make the product. You might work on cars, computers, appliances, airplanes, or electronic devices. Other manufacturing workers install or repair products. For example, you might install refrigerators or washers, repair plumbing in commercial buildings, or diagnose engine problems in cars and trucks.

### Sample Careers

#### On the Job Training or Less

- Crane and Tower Operators
- Hoist and Winch Operators
- Locksmiths
- Machinists
- Metal and Plastic Processing Workers
- Operating Engineers and Construction Equipment Operators
- Painting and Coating Machine Operators
- Power Plant Operators
- Quality Control Inspectors
- Small Engine Mechanics
- Tailors
- Tire Building Machine Operators
- Tool and Die Makers
- Tool Grinders
- Upholsterers
- Vehicle Painters
- Woodworking Machine Operators

#### Technical Training or Associate Degree

- Automotive Electronics Installers
- Computer, ATM, and Office Machine Repairers
- Electric Motor Repairers
- Home Electronics Repairers
- Industrial Electronics Repairers
- Jewelers
- Manufacturing Production Technicians
- Security and Fire Alarm Systems Installers
- Semiconductor Processing Operators
- Welders and Solderers
- Welding and Soldering Machine Operators

#### Bachelor Degree

- Chemical Engineers
- Occupational Health and Safety Specialists
- Safety Engineer

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy Forensics/Ecology
<b>Social Studies</b>	American History Honor Amer History	World History Honors World History	Government Honors Government	Optional: Sociology/Psych

(3 credits required)			Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>Welding Technology 1</b>	<b>Welding Technology 2</b>
<b>Courses that Correspond with Career Cluster</b>	<b>Ag Science 1 JAG</b>	<b>Ag Science 1 Ag Science 2 JAG</b>	<b>Ag Science 1 Ag Science 2 Ag Const/Struct JAG</b>	<b>Ag Science 1 Ag Science 2 Ag Const/Struct JAG</b>
<b>Clubs and Activities related to Career Cluster</b>	<b>FFA</b>	<b>FFA</b>	<b>FFA SkillsUSA</b>	<b>FFA SkillsUSA</b>

## Science, Technology, Engineering, and Math Career Pathway

### Definition

Science, technology, engineering, and mathematics workers do scientific research in laboratories or the field. Others plan or design products and systems. Or, you might support scientists, mathematicians, or engineers as they do their work. For example, you might oversee the construction of roads, develop systems to prevent diseases, or help engineers do research and read blueprints.

### Sample Careers

#### Technical Training or Associate Degree

- Electronics Engineering Technologists
- Engineering Technicians
- Manufacturing Engineering Technologists
- Science Technicians

#### Master Degree or Higher

- Anthropologists
- Archeologists
- Astronomers
- Biologists
- Environmental Scientists
- Geographers
- Geologists and Geophysicists
- Historians
- Mathematicians
- Physicists
- Political Scientists
- Robotics Engineers
- Sociologists

#### Bachelor Degree

- Aerospace Engineers
- Biomedical Engineers
- Cartographers
- Chemists
- Civil Engineers
- Electrical and Electronics Engineers
- Energy Engineers
- Environmental Engineers
- Geospatial Information Scientists and Technologists
- Industrial Engineers
- Manufacturing Engineers
- Materials Engineers
- Mechanical Engineers
- Meteorologists
- Mining Engineers
- Nuclear Engineers
- Petroleum Engineers
- Photonics Engineers
- Remote Sensing Scientists and Technologists

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy

				Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>none</b>	<b>none</b>
<b>Courses that Correspond with Career Cluster</b>			<b>ACT Prep Chemistry 1 Adv Alg/Trig Earth Science Adv Biology</b>	<b>ACT Prep Chemistry 1 Chemistry 2 Adv Alg/Trig Calculus Earth Science Adv Biology</b>
<b>Clubs and Activities related to Career Cluster</b>				

# Transportation, Distribution, and Logistics Career Pathway

## Definition

Transportation, distribution, and logistics workers move people and products by road, air, rail, and water. You might work as a driver, pilot, engineer, or captain. You might repair or maintain the vehicles, trains, planes, and ships that move people and products. Or, you might work behind the scenes to make sure the products and people get to the right place on time.

## Sample Careers

### On the Job Training or Less

- Air Traffic Controllers and Flight Attendants
- Auto Body Repairers
- Bicycle Repairers
- Bus Drivers and School Bus Drivers
- Dispatchers and Traffic Technicians
- Freight Handlers
- Heavy Equipment Mechanics
- Heavy Truck Drivers
- Motorboat & Motorcycle Mechanics
- Parking Lot Attendants
- Riggers
- Service Station Attendants, Tire Repairers and Changers
- Transportation Agents

### Bachelor Degree

- Airline Pilot
- Logisticians
- Storage and Distribution Managers

### Technical Training or Associate Degree

- Aircraft Mechanic
- Automobile Mechanics
- Bus and Truck Mechanics and Diesel Engine Specialists
- Electrical/Electronics Installers/Repairers
- Electronic Equipment Installers/Repairers, Motor Vehicles
- First-Line Supervisors/Managers of Transportation
- Material-Moving Machine and Vehicle Operators
- Motorboat Mechanics and Motorcycle Mechanics
- Signal and Track Switch Repairers
- Traffic Technicians
- Transportation Vehicle, Equipment/Systems Inspectors

### Master Degree or Higher

- Chief Executive

## Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy Forensics/Ecology
<b>Social Studies</b>	American History	World History	Government	Optional:

(3 credits required)	Honor Amer History	Honors World History	Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>Auto Service Technology 1 Collision Repair Technology 1</b>	<b>Auto Service Technology 2 Collision Repair Technology 2</b>
<b>Courses that Correspond with Career Cluster</b>	<b>JAG Ag Science 1</b>	<b>JAG Ag Science 1 Ag Science 2</b>	<b>JAG Ag Science 1 Ag Science 2 Geography</b>	<b>JAG Ag Science 1 Ag Science 2 Geography</b>
<b>Clubs and Activities related to Career Cluster</b>			<b>SkillsUSA</b>	<b>SkillsUSA</b>

## Health Science Career Pathway

### Definition

Health science workers promote health and wellness. They diagnose and treat injuries and disease. As a physician, dentist, or nurse, you could work directly with patients. You could also work in a laboratory to get information used in research or provide administrative support by keeping medical records. Health science jobs are found at a variety of different sites. For example, you could work in a hospital, office, clinic, or nursing home. Or you could work on a cruise ship, at a sports arena, or within a patient's home.

### Sample Careers

#### On the Job Training or Less

- Dental Assistants
- Dental Laboratory Technicians
- Home Health Aides
- Medical Appliance Technicians
- Medical Assistants
- Medical Equipment Preparers
- Medical Secretaries
- Personal and Home Care Aides
- Pharmacy Aides
- Pharmacy Technicians
- Physical Therapist Aides
- Psychiatric Aides

#### Bachelor Degree

- Administrative Services Managers
- Athletic Trainers
- Biomedical Engineers
- Computer Programmers
- Computer Software Engineers, Applications
- Dietitians
- Health Educators
- Medical and Clinical Laboratory Technologists
- Medical Laboratory Technologists
- Occupational Health and Safety Specialists
- Orthotic and Prosthetic Specialists
- Petroleum Engineers
- Public Relations Specialists
- Recreational Therapists
- Rehabilitation Counselors

#### Technical Training or Associate Degree

- Emergency Medical Technicians
- Health Information Technicians
- Licensed Practical Nurses
- Medical Laboratory Technicians
- Medical Sonographers
- Medical Transcriptionists
- Occupational Therapist Assistants
- Physical Therapist Assistants
- Radiation Therapists
- Radiologic Technologists
- Registered Nurses
- Respiratory Therapists
- Surgical Technologists
- Veterinary Technologists and Technicians

#### Master Degree or Higher

- Athletic Trainers, Physical and Occupational Therapists
- Biologists, Physicists, Hydrologists, Epidemiologists
- Clinical Psychologists and Mental Health Counselors
- Computer and Information Scientists, Research
- Dietitians and Nutritionists
- Farm and Home Management Advisors
- Health Specialties Teachers, Postsecondary
- Home Economics Teachers, Postsecondary
- Medical and Health Services Managers
- Natural Sciences Mgrs, Zoologists and Wildlife Biologists
- Nurse Anesthetists and Physician Assistants
- Pharmacists
- Speech-Language Pathologists
- Veterinarians



### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
<b>English</b> (4 credits required)	English 1 Honors English 1	English 2 Honors English 2	English 3 Honors English 3	English 4 DE English
<b>Math</b> (3 credits required)	Algebra 1A Algebra 1 Geometry	Algebra 1B Geometry Algebra 2	Geometry Algebra 2 Adv Alg/Trig	Optional: Algebra 2 Adv Alg/Trig Calculus
<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honors Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La & You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>Health Occupations 1</b>	<b>Health Occupations 2</b>
<b>Courses that Correspond with Career Cluster</b>			<b>Anatomy Adv Biology</b>	<b>Anatomy Adv Biology</b>
<b>Clubs and Activities</b>			<b>SkillsUSA</b>	<b>SkillsUSA</b>

## Arts, Audio-Visual Technology, and Communications Career Pathway

### Definition

Arts, audio/video technology, and communications workers use creativity and their talents on the job. You might work for an audience as a performer or artist. This includes painters, dancers, sculptors, actors, and singers. Or, you might work behind the scenes to make a performance successful. This includes set designers, editors, broadcast technicians, and camera operators. Some audio/video technology and communications workers have high-profile jobs. For example, you might work as a news reporter or fashion designer. Or, you might use your creative talents with technology and work as an animator, graphic designer, or film editor.

### Sample Careers

#### On the Job Training or Less

- Actors
- Camera/Photographic Equipment Repairers
- Communications Equipment Mechanics
- Costume and Wardrobe Specialists
- Dancers
- Fine Artists
- Floral Designers
- Musical Instrument Repairers and Tuners
- Musicians and Singers
- Painting, Coating, and Decorating Workers
- Photographers
- Potters
- Printing Press Operators

#### Bachelor Degree

- Agents and Business Managers
- Animators and Multimedia Artists
- Art Directors and Talent Directors
- Broadcast News Analysts and News Reporters
- Copy Writers, Technical Writers and Editors
- Directors-Stage, Motion Pictures, Television, and Radio
- Film and Video Editors
- Graphic Designers
- Industrial Designers
- Interpreters and Translators
- Multimedia Artists and Animators
- Museum Technicians and Conservators
- Music Composers, Directors, and Arrangers
- Poets, Lyricists and Creative Writers
- Reporters and Correspondents
- Set and Exhibit Designers

#### Technical Training or Associate Degree

- Audio and Video Equipment Technicians
- Broadcast Technicians and Sound Engineering Techs
- Camera Operators, Film and Video Editors
- Communications Equipment Mechanics
- Computer, Automated Teller, & Office Machine Repairers
- Desktop Publishers and Page Layout Workers
- Directors-Stage, Motion Pictures, Television, and Radio
- Fashion Designers and Interior Designers
- Fine Artists, Including Painters, Sculptors, and Illustrators
- Multimedia Artists and Animators
- Music Directors
- Poets, Lyricists and Creative Writers
- Producers
- Radio Mechanics and Operators
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#### Master Degree or Higher

- Art, Drama, and Music Teachers, Postsecondary
- Communications Teachers, Postsecondary
- English Language and Literature Teachers, Postsecondary
- Historians
- Librarians

### Career Planning Guide

Course Category	9th Grade	10th Grade	11th Grade	12th Grade
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<b>Science</b> (3 credits required)	Physical Science Honors Physics First	Biology Honors Biology	Chemistry 1 Earth Science Adv Biology Anatomy Forensics/Ecology	Optional: Chemistry 1 AP Chemistry 2 Earth Science Adv Biology Anatomy Forensics/Ecology
<b>Social Studies</b> (3 credits required)	American History Honor Amer History	World History Honors World History	Government Honors Government Optional: Sociology/Psych Cont Issues/Geo AA History/ Law&You DE Psych/Soc	Optional: Sociology/Psych Cont Issues/Geo AA History/ La &You DE Psych/Soc
<b>PE/Health/Personal Finance</b>	PE Lifetime Fitness	Health Personal Finance		
<b>Fine Art</b> (1 credit required) Only introductory courses are listed.	Art 1 Band Choir Music Appreciation	Art 1-2 Band Choir Music Appreciation	Art 1-3 Band Choir Music Appreciation	Art 1-4 Band Choir Music Appreciation
<b>Practical Art</b> (1 credit required) Only introductory courses are listed.	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course	Intro to Business Business Technology Ag Science 1 Animal Science SCTC course
<b>Foreign Lang</b> If planning to attend college	Spanish 1 French 1 German 1	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2	Spanish 1-2 French 1-2 German 1-2
<b>Corresponding SCTC Programs</b>			<b>Digital Media Productions 1 Graphic Arts 1</b>	<b>Digital Media Productions 2 Graphic Arts 2</b>
<b>Courses that Correspond with Career Cluster</b>	<b>Art Band Choir Jazz Band Music Appreciation</b>	<b>Art Drawing/Painting Commercial Art Multimedia Band</b>	<b>Art Drawing/Painting Commercial Art Multimedia School</b>	<b>Art Drawing/Painting Commercial Art Multimedia School</b>

		<b>Choir</b> <b>Jazz Band</b> <b>Music</b> <b>Appreciation</b>	<b>Publications</b> <b>Desktop Publishing</b> <b>Band</b> <b>Choir</b> <b>Jazz Band</b> <b>Music</b> <b>Appreciation</b>	<b>Publications</b> <b>Desktop Publishing</b> <b>Band</b> <b>Choir</b> <b>Jazz Band</b> <b>Music</b> <b>Appreciation</b>
<b>Clubs and</b> <b>Activities related to</b> <b>Career Cluster</b>	<b>Young Art Club</b>	<b>Young Art Club</b>	<b>SkillsUSA</b> <b>Young Art Club</b>	<b>SkillsUSA</b> <b>Young Art Club</b>