

# De Soto



# High School

**Course Description Book 2018-2019**

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## *De Soto School District #73*



### *Senior High School*

Dear Parents and Students:

At De Soto High School, we are proud of the course offerings we provide our students. The curriculum is aligned to state standards and our teachers work to educate each student enrolled with engaging, research-based teaching strategies.

The career and education planning guide contains information to assist you as you organize and implement a plan for your high school career and beyond. The career paths and career clusters information offers a range of possible careers for each student to consider. Once a career cluster has been selected, you can use the Program of Study templates to guide you in course planning. Parents can use the career paths information to discuss course selection and career opportunities with their children.

Student course selection is extremely important. Schedule changes can be very difficult and/or denied; therefore, students and parents should carefully consider selections to ensure the most appropriate choices for students. We also ask that students take rigorous coursework that prepares them for the academic challenges they may face after high school. Teachers, counselors, and administrators are available to assist students and parents as they make course decisions. Please do not hesitate to ask for assistance.

Sincerely,

Lisa Queen, Senior Counselor & Jefferson College ATS Liaison

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# Graduation Requirements

High School Diploma			College Prep Diploma		
Course Category	Courses	Credits	Course Category	Courses	Credits
English	English 9, 10, 11, 12	4	English	English 9, 10, 11 and Advanced 12 <sup>th</sup> English or College Comp I/II	4
Math	Must pass Algebra 1	3	Math	Must complete Algebra II or higher	3
Science	Physics 1 <sup>st</sup> , Gen. Chemistry and Biology	3	Science	Physics 1 <sup>st</sup> , Gen. Chemistry and Biology	3
Social Studies	World History, American History and American Government	3	Social Studies	World History, American History and American Government	3
Foreign Language	None Required	0	Foreign Language	Spanish I/II or French I/II	2
Practical Arts	Unspecified	0.5	Practical Arts	Unspecified	0.5
Personal Finance	Personal Finance	0.5	Personal Finance	Personal Finance	0.5
Fine Arts	Unspecified	1	Fine Arts	Unspecified	1
Physical Education	PE, Strength Training	1	Physical Education	PE, Strength Training	1
Health	Health	0.5	Health	Health	0.5
ACT Prep	Not Required	0	ACT Prep	ACT Prep (waived with a composite ACT score of 24 or higher)	0.5
Electives	Unspecified	7.5	Electives	Unspecified (less are needed due to ACT Prep/Foreign Language Requirements)	5
Total		24	Total		24

Additional requirements for College Prep Diploma:

1. GPA 3.2 or higher
2. 22 ACT score
3. Valedictorian/Salutatorian must complete College Prep Diploma

# FRESHMAN COURSE OFFERINGS

All classes with an (\*) denotes a prerequisite

## CORE CLASSES

### English Department

- 9<sup>th</sup> English (1.0)
- Advanced 9<sup>th</sup> English (1.0)\*

### Social Studies Department

- World History (1.0)
- Advanced World History (1.0)\*

### Science Department

- Physics First (1.0)

### Math Department

- Math Course (1.0)

Recommendations for math courses  
will be coming from the student's  
MAP scores, placement tests, previous math  
classes and math class grades.

## ELECTIVES

### Foreign Language

- French I (1.0)
- Spanish I (1.0)

### Physical Education

- PE (0.5 or 1.0)
- Strength Training (0.5 or 1.0)\*
- Health (0.5)

## ELECTIVES CONTINUED

### Practical Arts

- Computer Applications (0.5)
- Multimedia (0.5)\*
- Foods I (0.5)
- International Foods (0.5)\*
- Fashion and Apparel (0.5)
- Family Living (0.5)
- Mass Media (1.0)\*

### Fine Arts

- Art I (1.0)
- Music Appreciation (0.5)
- Stage/Film/Video (0.5)
- Women's Choir (1.0)
- Men's Choir (1.0)
- Concert Choir (1.0)\*
- Concert Band (1.0)\*
- Marching Band (0.5)\*-1<sup>st</sup> semester only
- Symphonic Band (0.5)\*-2<sup>nd</sup> semester only
- Jazz Ensemble (1.0)\*
- Theatre Arts (1.0)

# SOPHOMORE COURSE OFFERINGS

All classes with an (\*) denotes a prerequisite

## CORE CLASSES

### English Department

- 10<sup>th</sup> English (1.0)
- Advanced 10<sup>th</sup> English (1.0)\*

### Social Studies Department

- American History (1.0)
- Honors American History (1.0)\*

### Science Department

- General Chemistry (1.0)
- Advanced Chemistry (1.0)\*

### Math Department

- Math Course (1.0)

Recommendations for math courses will be coming from the student's current math teacher. Please discuss with them which course they will be recommending for you.

## ELECTIVES

### Foreign Language

- French I (1.0)
- French II (1.0)\*
- Spanish I (1.0)
- Spanish II (1.0)\*

### Physical Education

- PE (0.5 or 1.0)
- Strength Training (0.5 or 1.0)

## ELECTIVES CONTINUED

### Practical Arts

- Computer Applications (0.5)
- Multimedia (0.5)\*
- Graphic Arts (0.5)\*
- Personal Finance (0.5)
- Business Law (0.5)
- Accounting I (1.0)
- Business Management: Sports and Entertainment (0.5)
- Chromeland Network Administration (1.0)\*
- Website Development (0.5)\*
- Website Development II (0.5)\*
- Foods I (0.5)
- International Foods (0.5)\*
- Nutrition and Wellness (0.5)\*
- Fashion and Apparel (0.5)
- Family Living (0.5)
- Family and Careers (0.5)\*
- Mass Media (1.0)\*

### Fine Arts

- Art I (1.0)
- Art II (1.0)\*
- Music Appreciation (0.5)
- Stage/Film/Video (0.5)
- Women's Choir (1.0)
- Men's Choir (1.0)
- Concert Choir (1.0)\*
- Concert Band (1.0)\*
- Marching Band (0.5)\* - 1<sup>st</sup> semester only
- Symphonic Band (0.5)\* - 2<sup>nd</sup> semester only
- Jazz Ensemble (1.0)\*
- Theatre Arts (1.0)
- Actor's Studio I (1.0)\*

### Miscellaneous

- Study Hall (0.5 or 1.0) (NO CREDIT)
- A+ Tutoring (0.5 or 1.0)

# JUNIOR COURSE OFFERINGS

All classes with an (\*) denotes a prerequisite

## CORE CLASSES

### English Department

- 11<sup>th</sup> English (1.0)
- Honors 11<sup>th</sup> English (1.0)\*

### Social Studies Department

- American Government (1.0)
- Advanced American Government (1.0)\*

### Science Department

- Biology (1.0)

### Math Department

- Math Course (1.0)

Recommendations for math courses will be coming from the student's current math teacher. Please discuss with them which course they will be recommending for you.

## ELECTIVES

### Foreign Language

- French I (1.0)
- French II (1.0)\*
- French III (1.0)\*
- Spanish I (1.0)
- Spanish II (1.0)\*
- Spanish III (1.0)\*

### Physical Education

- PE (0.5 or 1.0)
- Strength Training (0.5 or 1.0)

### Practical Arts

- Computer Applications (0.5)
- Multimedia (0.5)\*
- Graphic Arts (0.5)\*
- Personal Finance (0.5)
- Business Law (0.5)
- Accounting I (1.0)
- Accounting II (1.0)\*
- Business Management: Sports/Entertainment (0.5)
- Chromeland Network Administration (1.0)\*
- Website Development (0.5)\*
- Website Development II (0.5)\*
- Programming – C++ (0.5)\*
- Programming – JAVA (0.5)\*

## ELECTIVES CONTINUED

### Practical Arts Continued

- Foods I (0.5)
- International Foods (0.5)\*
- Nutrition and Wellness (0.5)\*
- Fashion and Apparel (0.5)
- Housing and Interior Design (0.5)\*
- Family Living (0.5)
- Family and Careers (0.5)\*
- Child Development (0.5)
- Child Development II (0.5)\*
- Mass Media (1.0)\*

### Fine Arts

- Art I (1.0)
- Art II (1.0)\*
- Art III (1.0)\*
- Music Appreciation (0.5)
- Stage/Film/Video (0.5)
- Women's Choir (1.0)
- Men's Choir (1.0)
- Concert Choir (1.0)\*
- Concert Band (1.0)\*
- Marching Band (0.5)\* - 1<sup>st</sup> semester only
- Symphonic Band (0.5)\* - 2<sup>nd</sup> semester only
- Jazz Ensemble (1.0)\*
- Theatre Arts (1.0)
- Actor's Studio I (1.0)\*
- Actor's Studio II/Directing (1.0)\*

### Miscellaneous

- A+ Tutoring (0.5 or 1.0)
- Study Hall (0.5 or 1.0) (NO CREDIT)
- Office Assistant (0.5 or 1.0)\*
- HISTEP (0.5)
- ACT Prep (0.5)
- Modern American Military History (0.5)
- Sociology (1.0)
- Psychology (0.5)
- Psychology II (0.5)\*
- Athletic Injuries and Orthopedic Assessment (0.5)\*
- Botany (0.5)\*
- Zoology (0.5)\*
- Physics (1.0)\*

# SENIOR COURSE OFFERINGS

All classes with an (\*) denotes a prerequisite

## CORE CLASSES

### English Department

- 12<sup>th</sup> English (1.0)
- Advanced 12th English (1.0)\*
- College Composition I & II (1.0)\*

### Math Department

- Math Course (1.0)

Recommendations for math courses will be coming from the student's current math teacher. Please discuss with them which course they will be recommending for you.

## ELECTIVES

### Foreign Language

- French I (1.0)
- French II (1.0)\*
- French III (1.0)\*
- French IV (1.0)\*
- Spanish I (1.0)
- Spanish II (1.0)\*
- Spanish III (1.0)\*
- Spanish IV (1.0)\*

### Social Studies Department

- Contemporary History (1.0)
- Modern American Military History (0.5)
- Sociology (1.0)
- Psychology (0.5)
- Psychology II (0.5)\*
- College American History I & II (1.0)\*

### Science Department

- Athletic Injuries and Orthopedic Assessment (0.5)\*
- Botany (0.5)\*
- Zoology (0.5)\*
- Physics (1.0)\*
- College Chemistry (1.0)\*
- Honors Anatomy and Physiology (1.0)\*

### Physical Education

- PE (0.5 or 1.0)
- Strength Training (0.5 or 1.0)

### Practical Arts

- Computer Applications (0.5)
- Multimedia (0.5)\*

## ELECTIVES CONTINUED

- Graphic Arts (0.5)\*
- Personal Finance (0.5)
- Business Law (0.5)
- Accounting I (1.0)
- Accounting II (1.0)\*
- Business Management: Sports/Entertainment (0.5)
- Chromeland Network Administration (1.0)\*
- Website Development (0.5)\*
- Website Development II (0.5)\*
- Programming – C++ (0.5)\*
- Programming – JAVA (0.5)\*
- CCE/Supervision (2.0-3.0)\*
- Foods I (0.5)
- International Foods (0.5)\*
- Nutrition and Wellness (0.5)\*
- Fashion and Apparel (0.5)
- Housing and Interior Design (0.5)\*
- Family Living (0.5)
- Family and Careers (0.5)\*
- Child Development (0.5)
- Child Development II (0.5)\*
- Mass Media (1.0)\*

### Fine Arts

- Art I (1.0)
- Art II (1.0)\*
- Art III (1.0)\*
- Art IV (1.0)\*
- Music Appreciation (0.5)
- Stage/Film/Video (0.5)
- Women's Choir (1.0)
- Men's Choir (1.0)
- Concert Choir (1.0)\*
- Concert Band (1.0)\*
- Marching Band (0.5)\* - 1<sup>st</sup> semester only
- Symphonic Band (0.5)\* - 2<sup>nd</sup> semester only
- Jazz Ensemble (1.0)\*
- Theatre Arts (1.0)
- Actor's Studio I (1.0)\*
- Actor's Studio II/Directing (1.0)\*

### Miscellaneous

- A+ Tutoring (0.5 or 1.0)
- Study Hall (0.5 or 1.0) (NO CREDIT)
- Office Assistant (0.5 or 1.0)\*
- Teacher's Assistant (0.5 or 1.0) (NO CREDIT)
- HISTEP (0.5)
- ACT Prep (0.5)

# ATHLETIC ELIGIBILITY

## De Soto High School 2018-2019 Missouri State High School Activities Association Eligibility

Knowing and following all MSHSAA standards will enable a student to protect his/her eligibility for MSHSAA interscholastic competition. Grades received the **preceding** semester will determine eligibility for each semester.

**Grades 9-12:** To be eligible for a spring or fall semester, a student must be enrolled in **six full classes** (study hall and teacher assistant does not count toward the six full classes) and have received passing grades in a minimum of six classes the previous semester (3 units of credit).

### NAIA College Freshman Athletics Eligibility Requirements

High school students planning to attend an NAIA institution must register at [www.playnaia.org](http://www.playnaia.org) to determine their eligibility. Specify the code 9876 to ensure the ACT score is sent directly to NAIA. To be eligible, students must be a high school graduate and meet two of the following three requirements:

- Achieve a minimum of 18 on the ACT or 860 on the SAT, or
- Achieve a minimum overall high school GPA of 2.0 on a 4.0 scale, or
- Graduate in the top half of your high school class

### NCAA College Freshman Athletics Eligibility Requirements

High school students planning to attend a NCAA institution must register at [www.ncaaclearinghouse.org](http://www.ncaaclearinghouse.org). The NCAA Eligibility Clearinghouse evaluates the transcript of every potential athlete who has registered with the Clearinghouse.

A student registering for the ACT may report their score directly to the eligibility center by using the code 9999. At the end of the student's sixth semester, the student should request a transcript be sent to the eligibility center. **It is the responsibility of the student athlete to secure the information needed for NCAA eligibility.**

#### DIVISION I

16 Core Courses:  
 4 years English  
 3 years math (Algebra I or higher)  
 2 years of natural/physical science (1 year of lab if offered by high school)  
 1 year of additional English, math, or natural/physical science  
 2 years of social studies  
 4 additional credits (English, math, natural/physical science, social studies or foreign language)  
 2.3 GPA in NCAA core classes

#### DIVISION II

3 years English  
 2 years of math (Algebra I or higher)  
 2 years of natural/physical science (1 year lab if offered by high school)  
 3 years of additional English, math or natural/physical science  
 2 years of social studies  
 4 additional credits (English, math, natural or physical science, social studies or foreign language)  
 2.2 GPA in NCAA core classes

## DE SOTO HIGH SCHOOL ASSESSMENTS

Standardized tests are designed to give a common measure of students' performance. They help compare an individual student's performance with the performance of a group of students from a given class, school or school system. Since a large number of students throughout the country take the same test, "standards" can be developed to show whether school programs are succeeding or how students are performing. Different types of standardized tests have different purposes. The following are the standardized tests given to high school students:

### **PSAT/NMSQT (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test)**

The PSAT/NMSQT measures verbal and mathematical reasoning skills important for academic success in college.

It serves three purposes:

- It gives the student practice for the SAT and ACT.
- It is the first step in qualifying for scholarships sponsored by the National Merit Scholarship Corporation and other scholarship programs.
- It gives the student the opportunity to participate in the Student Search Service.

The test is approximately two hours in length, given in the fall, and is primarily taken in the junior year for NMSQT qualification. Students interested should consult with their school counselor for additional information. **This test, which is an optional test, is administered on the DHS campus.**

### **ASVAB (The Armed Services Vocational Aptitude Battery)**

The ASVAB measures strengths, weaknesses, and potential for future success. The ASVAB also provides career information for various civilian/military occupations and is an indicator for success in future endeavors whether that is college, the workforce, vocational school, or a military career. All De Soto High School students participate in the ASVAB assessment in the fall of their junior year. **This test is administered on the DHS campus.**

### **ACT (American College Test)**

The ACT is a battery of four examinations: English, math, reading, and science reasoning. Each of these subgroups will yield separate scores measuring developed abilities in that area. The ACT also generates a composite score. The test is required by colleges as a part of the application process for admission. Check with your counselor about taking the ACT or visit the ACT website at [www.act.org](http://www.act.org). **This test is available to students five times a year on the DHS campus.** In addition, all students will take the ACT for free in April of their junior year.

### **SAT (Scholastic Aptitude Test)**

SAT is a test used to predict student performance in college. Required by some colleges (predominantly on the East and West coast) as part of the application process, this three-hour test has two main sections-verbal and math. Questions in the verbal section are divided into reading passages, analogies and sentence completion. Questions in the mathematical section cover standard multiple-choice, quantitative comparisons and grid-in-answers. Visit [www.sat.collegeboard.org](http://www.sat.collegeboard.org) to register. **This test is not administered on the DHS campus.**



### A+ Program Overview

The A+ Program provides scholarship funds to eligible graduates of A+ designated high schools who attend a participating public community college or vocational/technical school, or certain private two-year vocational/technical schools. In addition, there are some 4-year universities that will offer scholarship funds to students who meet A+ Program requirements.

### A+ Program Financial Benefits

Students who sign an A+ agreement and meet the A+ program requirements are eligible to receive two years of partial or free tuition at any public community college or accredited vocational/technical institution in Missouri and some 4 year universities (provided state funding is available). **NOTE: Pell grants will always override A+ funds.**

### A+ Student Eligibility

Students who graduate from a designated A+ high school may qualify for a state-paid financial incentive to attend any public community college or career/technical school in Missouri if the student successfully meets the following requirements:

- Enter into a written agreement with the high school prior to graduation. Agreement forms may be found in the Guidance Office.
- Attend an A+ designated school for three consecutive years immediately prior to graduation.
- Graduate with an overall GPA of 2.5 or higher on a 4-point scale.
- Have an overall attendance rate of at least 95% for grades 9-12.
- Perform 50 hours of district-supervised, unpaid tutoring/mentoring.
- Score Advanced or Proficient on the Algebra I EOC (End of Course Exam) or a 17 on the ACT math subtest.
- Maintain a record of good citizenship and avoid the use of drugs and alcohol.
- Males must register with the Selective Service (age 18 and over).
- The student must make a good faith effort to first secure all available federal financial aid (that does not require repayment) through the Free Application for Federal Student Aid (FAFSA).

## WEIGHTED/DUAL CREDIT COURSES

Weighted Courses	
Department	Course
English	College Composition I
	College Composition II
	Honors 11 <sup>th</sup> English
Social Studies	College American History I
	College American History II
	Honors American History
Science	College Chemistry
	Honors Anatomy & Physiology
Math	College Algebra
	College Calculus
AA/42 Hour Program	All dual enrollment courses for these programs will be weighted

**Weighted Course Description:** All weighted courses will have an additional weight of 0.025 factored in where a student earns a passing grade. The GPA calculation will only be added to the “cumulative” GPA and will be used for “rank” purposes only. All prerequisites will stay the same. The A+ program will continue to use non-weighted GPA.

Dual Credit Courses		
Department	Course	Credit
English	College Composition I	3 hours
	College Composition II	3 hours
Social Studies	College American History I	3 hours
	College American History II	3 hours
Science	College Chemistry	5 hours
Math	College Algebra	3 hours
	College Calculus	5 hours

**Dual Credit Course Description:** Along with being weighted, these courses can be taken for both high school and college credit. All college credit will be granted through Jefferson College. **Please note that some colleges may limit the number or type of dual credit courses they will accept in transfer. It is the responsibility of students to contact their college of choice to determine which dual credit courses they will accept.** Students should also inquire as to whether the dual credit courses they wish to take will satisfy one of the general education requirements of the institution. Please keep in mind that eligibility guidelines for the college credit options are different for each college/university. **Jefferson College agrees to pay 1/3 of the discounted dual credit tuition rate, the student will pay 1/3, and De Soto School District will pay 1/3 of the tuition.** Jefferson College will make available the same academic support services provided to all Jefferson College students, including the library, academic support, and student services support.

**Note:** De Soto High School offers opportunities for those students who have exceeded DHS course offerings. For example, a student that has completed Calculus I and would like to take Calculus II may have the opportunity to take the course at Jefferson College. Please see a counselor for further details.

## DUAL CREDIT PROGRAMS - ASSOCIATE OF ARTS/42 HOUR BLOCK

### Associate of Arts Degree

In a partnership with Jefferson College, students can potentially graduate from high school with an Associate of Arts degree. The program begins the summer after the student's sophomore year of high school and continues through graduation. This program includes a combination of dual credit courses taught on the DHS campus and online courses through Jefferson College. Students would complete a total of 62-63 college credits. If the AA degree is completed successfully, most Missouri public universities will enroll the student as a junior. There is an application process involved in this program. Parents of students who qualify to apply for this program will be contacted with more information via e-mail in January of their sophomore year.

### 42 Hour Block

In a partnership with Jefferson College, students can potentially graduate from high school having completed the general education 42 hour block. The program begins the summer after the student's sophomore year of high school and continues through graduation. This program includes a combination of dual credit courses taught on the DHS campus and online courses through Jefferson College. Students would complete a total of 42 college credits, which, upon successful completion, would allow them to be enrolled as a sophomore at most Missouri public universities. There is an application process involved in this program. Parents of students who qualify to apply for this program will be contacted with more information via e-mail in January of their sophomore year.

### Eligibility

- 3.5 GPA or higher through first three semesters of high school
- Chemistry (B or Above) or Advanced Chemistry (C or Above)
- 10<sup>th</sup> English (A- or Above) or Advanced 10<sup>th</sup> English (B or Above)
- Be on track to take College Algebra or College Calculus by Senior year
- ACT subtest scores will be required-it is recommended for students interested in these programs to take the ACT prior to second semester of sophomore year
- Submit application by deadline (deadline dates will vary from year to year)

Eligible sophomores, along with their parents, will be invited to an informational meeting during the spring semester.

### Transferability

Parents and students should contact any university in which they are interested in to determine the transferability of the AA Degree and/or 42 Hour Block. Parents and students should also inquire about eligibility for athletics and scholarships (including A+) with desired university.

### Tuition

The tuition for courses will be split between student, De Soto High School, and Jefferson College, each paying 1/3. De Soto High School will provide textbooks for the courses taught on our campus. The student will be responsible for textbooks/necessary materials for any class taught online.

## **CAREER PATHS & CLUSTERS**

### **Career Paths**

Missouri has identified six Career Paths as a way to help students become aware of and explore careers in a logical and meaningful way. These paths are grouped according to students' interests, abilities, talents, or skills. Selecting a career path provides a student with an area of focus, along with flexibility and a variety of ideas to pursue. Selecting a career path is not a lifelong commitment; it is a place to begin focusing one's energies. As students take different courses and learn more about themselves and careers, they could possibly change career paths. Students who understand the career paths concept will be aware that there are a variety of other related possibilities if the first path no longer fits them. If different career paths become more interesting, the students can reevaluate plans, make appropriate decisions, and revise their high school plans as necessary. The six career paths are as follows:

**Arts & Communication**  
**Business, Management/Technology**  
**Human Services**

**Industrial & Engineering Technology**  
**Health Services**  
**Natural Resources Agriculture**

### **Career Clusters**

Within the Career Paths, Missouri uses 16 Career Clusters as a way of further organizing occupations and careers. Career Clusters assist educators and students with more specified career exploration and career planning. It is recommended that students select a Career Cluster of interest during high school in order to tailor coursework and related activities essential for postsecondary educational plans as well as future career aspirations. As a high school student, choosing a Career Cluster is about selecting an area for deeper exploration, not locking in a life-long career plan. See following pages for career clusters and suggested courses for that particular cluster.

**For more information, please visit the following websites:**




[www.missouriconnections.org](http://www.missouriconnections.org)

[www.missouricareereducation.org](http://www.missouricareereducation.org)

[www.missourieconomy.org](http://www.missourieconomy.org)

[www.missouricareersource.org](http://www.missouricareersource.org)

## 16 CAREER CLUSTERS

	<p>The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.</p>
	<p>Careers in designing, planning, managing, building and maintaining the built environment.</p>
	<p>Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.</p>
	<p>Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.</p>
	<p>Planning, managing and providing education and training services, and related learning support services.</p>
	<p>Planning, services for financial and investment planning, banking, insurance, and business financial management.</p>
	<p>Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.</p>
	<p>Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</p>
	<p>Hospitality &amp; Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.</p>
	<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>

	<p>Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.</p>
	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
	<p>Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.</p>
	<p>Planning, managing, and performing marketing activities to reach organizational objectives.</p>
	<p>Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.</p>
	<p>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</p>

## **De Soto High School**

### **Career Clusters Program of Study Templates**

“What do you want to do after high school?” That is a question that is asked of our students a multitude of times over the course of their public school education. It’s a question that is not easily answered, due to the enormous number of possible post-secondary alternatives that are currently available to our students. Technological advances and global competition have transformed the nature of both education and work. Tomorrow’s jobs will require more knowledge and training, highly developed 21<sup>st</sup> Century Skills, technological skills, and more flexible workers than ever before. Our students need to be prepared for, and informed of, the reality of several job and career changes over the course of their lifetimes. They need to understand that they will have to continually update their knowledge and skills, which may require additional training and/or education.

The De Soto School District offers a wide array of courses and experiences to its students. As students review course offerings and activities, we hope to guide them in choosing coursework and experiences that are relevant to their future goals.

In planning for post-secondary goals, students should start with examining where their own interests and talents lie. This can be accomplished in many different ways within the school district; researching middle and high school classes of interest, taking interest and skill inventories, participating in career fairs offered, and taking advantage of the many extra-curricular and enrichment activities available. The school district uses the Missouri Connections online program ([www.missouriconnections.org](http://www.missouriconnections.org)) for interest assessments and to explore the variety of options students have beyond high school.

Using the results of career assessments students create their personal plan of study for their high school years and beyond. School counselors, teachers and other district personnel, are available to guide students and parents in this important planning process. The planning process is critical to not only meeting graduation requirements, but also to taking the coursework that will ultimately lead to a successful post-secondary transition.

The following program of study templates, serve as a guide, along with other career planning materials, to help students develop their personal plans of study. Courses listed within these programs of study templates are recommended coursework only and should be individualized to meet each learner’s educational and career goal.



**De Soto High School**  
**Agriculture, Food & Natural Resources**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Foods I  International Foods		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE  Foreign Language II  Nutrition and Wellness  Family and Careers	Culinary Arts I  Metal Fabrication I	<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	Fine Art of your choice  ACT Prep/A+ Tutoring  Computer Apps/Multi Media  Fashion and Apparel  Accounting I	Culinary Arts II  Metal Fabrication II  Welding I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	Botany/Zoology  College Chemistry* ♦	Sociology  College American History I/II* ♦	Accounting II  CCE	Culinary Arts III  Metal Fabrication III  Welding II	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
								<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____

**Postsecondary Offerings – For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mccckc.edu">www.mccckc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a> Ozarks Technical Community College <a href="http://www.otc.edu">www.otc.edu</a> St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> State Technical College of Missouri <a href="http://www.statetechmo.edu">www.statetechmo.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Columbia Area Career Center <a href="http://www.career-center.org">www.career-center.org</a> Davis Hart Career Center <a href="http://www.mexicoschools.net">www.mexicoschools.net</a> Eldon Career Center <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a> Hannibal Career and Technical Center <a href="http://www.hannibal.tec.mo.us">www.hannibal.tec.mo.us</a> Kirksville Area Tech Center <a href="http://www.kirksville.k12.mo.us">www.kirksville.k12.mo.us</a> Lake Career & Technical Center <a href="http://www.camdentonschools.org">www.camdentonschools.org</a> Moberly Area Tech Center <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a> Ranken Tech College <a href="http://www.ranken.edu">www.ranken.edu</a> Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	A.T. Skill University of Health Sciences <a href="http://www.atsu.edu">www.atsu.edu</a> Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College - <a href="http://www.hlg.edu">www.hlg.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood University <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a> MO Univ of Science & Technology <a href="http://www.mst.edu">www.mst.edu</a> Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist University <a href="http://www.sbuniv.edu">www.sbuniv.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> University of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – St Louis - <a href="http://www.umsu.edu">www.umsu.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> Petropolis Academy of Grooming & Training - <a href="http://www.petropolisacademy.com">www.petropolisacademy.com</a> Midwest Institute <a href="http://www.midwestinstitute.com">www.midwestinstitute.com</a>

**Sample Careers By Educational Level – For Occupational Specialties, go to [www.careerclusters.org](http://www.careerclusters.org) or [www.missouriconnections.org](http://www.missouriconnections.org)**

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
Animal Caretakers Animal Trainers Bakers Commercial Fishers Farm and Ranch Workers Farm Equipment Mechanics Farmers Food Processing Workers Log Graders and Scalars Loggers Meat Cutters Mining Machine Operators Nursery Workers Rock Splitters Trash Collectors Veterinary Assistants Water Treatment Plant Operators	Fish and Game Wardens Forestry Technicians Precision Agriculture Technicians	Agricultural Engineers Agricultural Scientists Animal Scientists Conservation Scientists Farm and Home Management Advisors Food Scientists Foresters Park Naturalists Zoologists	Agricultural Sciences Teachers, Postsecondary Animal Scientists Farm and Home Management Advisors Veterinarians Zoologists and Wildlife Biologists



**De Soto High School**  
**Architecture & Construction**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Art I		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE  Foreign Language II  Art II	Residential Carpentry I  Building Repair Technology I  Metal Fabrication I	<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring  Computer Apps/Multi Media  Graphic Arts  Art III	Advanced Residential Carpentry  Building Repair Technology II  Metal Fabrication II	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	Physics  College Chemistry* ♦	Sociology  College American History I/II* ♦	Art IV  Housing & Interior Design  CCE	Advanced Residential Carpentry  Building Repair Technology III  Advanced Metal Fabrication  HVAC	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
		<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Art Club <input type="checkbox"/> Other: _____						

\* Dual Credit      ♦ Weighted Course

For Information on Transfer Course Library approved by Coordinating Board of Higher Education - <http://dhe.mo.gov/CoreTransfer.php>

**Postsecondary Offerings – For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a>	Arcadia Valley Tech Center - <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a>	MO University of Science & Technology <a href="http://www.mst.edu">www.mst.edu</a>	• Apprenticeship • Military • On-the-Job Training
	East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a>	Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	
	Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a>	Boonslick Technical Education Center – <a href="http://www.boonville.k12.mo.us/schools/btec">www.boonville.k12.mo.us/schools/btec</a>	Bryan College - <a href="http://www.bryancolecollege.com">www.bryancolecollege.com</a>	Park University - <a href="http://www.park.edu">www.park.edu</a>	Foley-Belsaw Institute <a href="http://www.foley-belsaw.com">www.foley-belsaw.com</a>
	Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a>	Clinton Technical School - <a href="http://www.clinton.k12.mo.us">www.clinton.k12.mo.us</a>	Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a>	Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a>	Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a>
	Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Columbia Area Career Ctr - <a href="http://www.career-center.org">www.career-center.org</a>	College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a>	Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a>	DeVry University <a href="http://www.drury.edu">www.drury.edu</a>
	Moberly Area Comm College <a href="http://www.macc.edu">www.macc.edu</a>	Davis Hart Career Ctr- <a href="http://www.mexicoschools.net">www.mexicoschools.net</a>	Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a>	Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a>	Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a>
	North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a>	Eldon Career Ctr - <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a>	Drury University - <a href="http://www.drury.edu">www.drury.edu</a>	Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a>	ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a>
	Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a>	Franklin Technology- MSSU <a href="http://www.ftcjoplin.com">www.ftcjoplin.com</a>	Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a>	Southwest Baptist Univ - <a href="http://www.sbuniv.edu">www.sbuniv.edu</a>	Job Point (Columbia & Sedalia) <a href="http://www.jobpointmo.com">www.jobpointmo.com</a>
	St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a>	Gibson Tech Ctr - <a href="http://www.wolves.k12.mo.us/gtc">www.wolves.k12.mo.us/gtc</a>	Everest College <a href="http://www.everest-college.edu">www.everest-college.edu</a>	Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a>	MERS/Missouri Goodwill Industries <a href="http://www.mersgoodwill.org">www.mersgoodwill.org</a>
	St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a>	Grand River Technical School - <a href="http://www.grts.org">www.grts.org</a>	Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a>	Univ of MO – Columbia - <a href="http://www.missouri.edu">www.missouri.edu</a>	Missouri Welding Institute <a href="http://www.nwi.ws">www.nwi.ws</a>
	State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>	Hannibal Career and Technical Center <a href="http://www.hannibal.tec.mo.us">www.hannibal.tec.mo.us</a>	Hannibal-Lagrange College - <a href="http://www.hlg.edu">www.hlg.edu</a>	Univ of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a>	National American University <a href="http://www.national.edu">www.national.edu</a>
	State Technical College of Missouri <a href="http://www.statetechmo.edu">www.statetechmo.edu</a>	Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a>	Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a>	Univ of Phoenix - <a href="http://www.phoenix.edu">www.phoenix.edu</a>	
	Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Hillyard Technical Ctr - <a href="http://www.hillyardtech.com">www.hillyardtech.com</a>	Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a>	Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a>	
		Lake Career & Technical Center <a href="http://www.camdentonschools.org">www.camdentonschools.org</a>	Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a>	Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a>	
		Lebanon Technology and Career Ctr <a href="http://www.lebanon.k12.mo.us">www.lebanon.k12.mo.us</a>	Maryville Univ of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a>	Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a>	
		Lex La-Ray Tech Ctr <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a>	Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a>	Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a>	
		Kirksville Area Tech Ctr <a href="http://www.kirksville.k12.mo.us">www.kirksville.k12.mo.us</a>	Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a>	William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a>	
		Moberly Area Tech Ctr - <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a>	Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a>	William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	
		Nichols Career Center - <a href="http://www.jcps.k12.mo.us">www.jcps.k12.mo.us</a>	Missouri Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a>		
		Northland Career Center <a href="http://www.northlandcareercenter.com">www.northlandcareercenter.com</a>	Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a>		
		Northwest Tech School - <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a>	Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>		
		Perryville Area Career/Tech Center <a href="http://www.perryville.k12.mo.us">www.perryville.k12.mo.us</a>			
		Pike-Lincoln Tech Ctr - <a href="http://www.pltc.k12.mo.us">www.pltc.k12.mo.us</a>			
		Poplar Bluff Technical Career Center <a href="http://www.r1schools.org">www.r1schools.org</a>			
		Ranken Tech College - <a href="http://www.ranken.edu">www.ranken.edu</a>			
		Rolla Tech Institute - <a href="http://www.rolla.k12.mo.us">www.rolla.k12.mo.us</a>			
		Sikeston Career & Tech Ctr - <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a>			
		South Central Career Ctr - <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a>			
		Unitec Career Center - <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>			
		Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>			

**Sample Careers By Educational Level – For Occupational Specialties, go to [www.careerclusters.org](http://www.careerclusters.org) or [www.missouriconnections.org](http://www.missouriconnections.org)**

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
Bricklayers, Stonemasons and Cement Masons Cabinetmakers 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	Commercial Divers Drafters Energy Auditors Interior Designers	Architects Construction Managers Cost Estimators Landscape Architects Surveyors	Architects, Except Landscape and Naval Architecture Teachers, Postsecondary Engineering Managers Engineering Teachers, Postsecondary Historians Operations Research Analysts Political Scientists Sociologists Sociology Teachers, Postsecondary



**De Soto High School**  
**Arts, A/V Technology & Communications**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health Foreign Language I Art I Theatre Arts Band Choir Mass Media		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE Foreign Language II Art II Actor's Studio I Band Choir Mass Media Graphic Arts Computer Apps/Multi Media Chromeland Network Administration		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring Website Development SFV/Music App Art III Actor's Studio II Band Choir Mass Media Graphic Arts Programming Chromeland Network Administration	Digital Media Technology I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦		College American History I/II* ♦	Website Development II Art IV Actor's Studio II Band Choir Mass Media Chromeland Network Administration CCE	Digital Media Technology II	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
								<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Art Club <input type="checkbox"/> ITS <input type="checkbox"/> Other: _____

\* Dual Credit      ♦ Weighted Course

For Information on Transfer Course Library approved by Coordinating Board of Higher Education - <http://dhe.mo.gov/CoreTransfer.php>

Postsecondary Offerings - For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>					
Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a>	Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>	• Apprenticeship • Military • On-the-Job Training
	East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a>	Clinton Technical School <a href="http://www.clinton.k12.mo.us/ts.php">www.clinton.k12.mo.us/ts.php</a>	Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a>	Missouri Valley College – <a href="http://www.moval.edu">www.moval.edu</a>	American College of Technology <a href="http://www.acot.edu">www.acot.edu</a>
	Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a>	Davis Hart Mexico Technical School <a href="http://www.mexicoschools.org">www.mexicoschools.org</a>	Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a>
	Metropolitan Comm College <a href="http://www.mccck.edu">www.mccck.edu</a>	Eldon Career Center - <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a>	College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	Barbizon School of Clayton <a href="http://www.barbizonmodeling.com">www.barbizonmodeling.com</a>
	Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Four Rivers Technical Center <a href="http://www.washington.k12.mo.us">www.washington.k12.mo.us</a>	Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a>	Ozark Christian College – <a href="http://www.occ.edu">www.occ.edu</a>	Broadcast Center <a href="http://www.broadcastcenterinfo.com">www.broadcastcenterinfo.com</a>
	Moberly Area Comm College <a href="http://www.macc.edu">www.macc.edu</a>	Franklin Technology - MSSU - <a href="http://www.ftc.joplin.com">www.ftc.joplin.com</a>	Culver-Stockton College – <a href="http://www.culver.edu">www.culver.edu</a>	Park University - <a href="http://www.park.edu">www.park.edu</a>	Calvary Bible College and Theological Seminary - <a href="http://www.calvary.edu">www.calvary.edu</a>
	Ozarks Tech Comm College <a href="http://www.otc.edu">www.otc.edu</a>	Gibson Tech Ctr - <a href="http://www.wolves.k12.mo.us/gtc">www.wolves.k12.mo.us/gtc</a>	DeVry University – <a href="http://www.devry.edu">www.devry.edu</a>	Patricia Stevens College <a href="http://www.patriciastevenscollege.edu">www.patriciastevenscollege.edu</a>	Central Bible College - <a href="http://www.cbccag.edu">www.cbccag.edu</a>
	St. Charles Comm College <a href="http://www.stchas.edu">www.stchas.edu</a>	Hannibal Career and Technical Center <a href="http://www.hannibal.tec.mo.us">www.hannibal.tec.mo.us</a>	Drury University - <a href="http://www.drury.edu">www.drury.edu</a>	Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a>	Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a>
	St. Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a>	Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a>	Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a>	Saint Louis Univ - <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a>	Court Report Academy <a href="http://www.thecourtreportingacademy.com">www.thecourtreportingacademy.com</a>
	State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>	Hillyard Tech Center - <a href="http://www.hillyardtech.com">www.hillyardtech.com</a>	Everest College <a href="http://www.everest-college.com">www.everest-college.com</a>	Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a>	ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a>
	State Technical College of Missouri <a href="http://www.statetechmo.edu">www.statetechmo.edu</a>	Kennett Career & Technology Center – <a href="http://www.kennett.k12.mo.us">www.kennett.k12.mo.us</a>	Hickey College <a href="http://www.hickeycollege.edu">www.hickeycollege.edu</a>	Seaside MO State Univ - <a href="http://www.semo.edu">www.semo.edu</a>	Kansas City Art Inst - <a href="http://www.kcai.edu">www.kcai.edu</a>
	Three Rivers Comm College <a href="http://www.trcc.edu">www.trcc.edu</a>	Kirkville Area Technical Center - <a href="http://www.kirkville.k12.mo.us">www.kirkville.k12.mo.us</a>	Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a>	Southwest Baptist Univ - <a href="http://www.sbuniv.edu">www.sbuniv.edu</a>	Midwestern Baptists Theological Seminary - <a href="http://www.mbts.edu">www.mbts.edu</a>
		Lake Career and Technical Center <a href="http://www.camdentonschools.org">www.camdentonschools.org</a>	Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a>	Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a>	Missouri Tech – <a href="http://www.motech.edu">www.motech.edu</a>
		Lex La-Ray Tech Ctr - <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a>	Maryville Univ of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a>	Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a>	National American University <a href="http://www.national.edu">www.national.edu</a>
		Moberly Area Tech Ctr - <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a>	Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a>	Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a>	
		Nichols Career Center - <a href="http://www.jcps.k12.mo.us">www.jcps.k12.mo.us</a>	Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a>	Univ of MO – Columbia - <a href="http://www.missouri.edu">www.missouri.edu</a>	
		Perryville Area Career/Technical Center <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a>	Univ of MO – Kansas City - <a href="http://www.umkc.edu">www.umkc.edu</a>	
		Poplar Bluff Tech Career Ctr – <a href="http://www.r1schools.org">www.r1schools.org</a>	MO Southern State Univ - <a href="http://www.mssu.edu">www.mssu.edu</a>	Univ of MO – Rolla – <a href="http://www.umsr.edu">www.umsr.edu</a>	
		Ranken Technical College - <a href="http://www.ranken.edu">www.ranken.edu</a>	Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a>	Univ of MO – St Louis - <a href="http://www.umsi.edu">www.umsi.edu</a>	
		Rolla Technical Institute - <a href="http://www.rolla.k12.mo.us">www.rolla.k12.mo.us</a>		Vatterott Coll - <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a>	
		Sikeston Career & Technology Center <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a>		Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a>	
		Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>		Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a>	
				William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a>	
				William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	
Sample Careers By Educational Level - For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>					
On-The-Job Training or Less		Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More	
Actors Bookbinders and Bindery Workers Camera/Photographic Equipment Repairers Communications Equipment Mechanics Costume and Wardrobe Specialists Dancers Fine Artists Floral Designers Movie Projectionists Musical Instrument Repairers and Tuners Musicians and Singers Painting, Coating, and Decorating Workers Photographers Potters Printing Press Operators Proofreaders Ushers and Ticket Takers		Audio and Video Equipment Technicians Broadcast Technicians and Sound Engineering Techs Camera Operators, Film and Video Editors Choreographers Communications Equipment Mechanics Computer, Automated Teller, & Office Machine Repairers Desktop Publishers and Page Layout Workers Directors- Stage, Motion Pictures, Television, and Radio Electronic Home Entertainment Equipment Installers/Repairers Fashion Designers and Interior Designers Fine Artists, Including Painters, Sculptors, and Illustrators Multi-Media Artists and Animators Music Directors Poets, Lyricists and Creative Writers Producers Radio Mechanics and Operators Telecommunications Equipment Installers and Repairers	Agents and Business Managers Animators and Multi-media 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 Multi-Media Artists and Animators Museum Technicians and Conservators Music Composers, Directors, and Arrangers Poets, Lyricists and Creative Writers Proofreaders and Copy Markers Reporters and Correspondents Set and Exhibit Designers Vocational Education Teachers, Postsecondary	Art, Drama, and Music Teachers, Postsecondary Communications Teachers, Postsecondary English Language and Literature Teachers, Postsecondary Historians Librarians	



**De Soto High School**  
**Business Management & Administration**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE/Health  Foreign Language I  Computer Apps/Multi Media		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE Foreign Language II Graphic Arts Business Law/Business Management Chromeland Network Administration		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring Website Development I/II Accounting I Programming Office Assistant Chromeland Network Administration	Business Management I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	College Chemistry* ♦	College American History I/II* ♦	Fine Art Website Development I/II Accounting II Programming Office Assistant CCE Chromeland Network Administration	Business Management II	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
								<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> STUCO <input type="checkbox"/> Other: _____

\* Dual Credit      ♦ Weighted Course

For Information on Transfer Course Library approved by Coordinating Board of Higher Education - <http://dhe.mo.gov/CoreTransfer.php>

**Postsecondary Offerings – For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mccckc.edu">www.mccckc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a> North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a> Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a> St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a> St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a> Clinton Tech School <a href="http://www.clinton.k12.mo.us">www.clinton.k12.mo.us</a> Eldon Career Center <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a> Franklin Technology - MSSU <a href="http://www.ftcjoplin.com">www.ftcjoplin.com</a> Grand River Technical School <a href="http://www.grts.org">www.grts.org</a> Hillyard Technical Center <a href="http://www.hillyardtech.com">www.hillyardtech.com</a> Kirksville Area Technical Center <a href="http://www.kirksville.k12.mo.us">www.kirksville.k12.mo.us</a> Lex La-Ray Technical Center <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a> Moberly Area Technical Center <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a> Northwest Technical School <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a> Pike-Lincoln Tech Center <a href="http://www.pltc.k12.mo.us">www.pltc.k12.mo.us</a> Ranken Tech College - <a href="http://www.ranken.edu">www.ranken.edu</a> Saline County Career Center <a href="http://www.marshallschools.com/sccc">www.marshallschools.com/sccc</a> Sikeston Career and Technology Center <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a> Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a> DeVry University – <a href="http://www.devry.edu">www.devry.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College - <a href="http://www.everest-college.com">www.everest-college.com</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College - <a href="http://www.hlg.edu">www.hlg.edu</a> Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a> Hickey College - <a href="http://www.hickeycollege.edu">www.hickeycollege.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville Univ of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a> MO Southern State Univ - <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Patricia Stevens College <a href="http://www.patriciastevenscollege.edu">www.patriciastevenscollege.edu</a> Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a> Southeast MO State Univ - <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist Univ - <a href="http://www.sbuniv.edu">www.sbuniv.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> Univ of MO – Columbia - <a href="http://www.missouri.edu">www.missouri.edu</a> Univ of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – Rolla – <a href="http://www.umsr.edu">www.umsr.edu</a> Univ of MO – St Louis - <a href="http://www.umsi.edu">www.umsi.edu</a> Univ of Phoenix – <a href="http://www.phoenix.edu">www.phoenix.edu</a> Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	<ul style="list-style-type: none"> <li>• Apprenticeship</li> <li>• Military</li> <li>• On-the-Job Training</li> </ul> Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> Daruby School <a href="http://www.darubyschool.com">www.darubyschool.com</a> Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a> ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a> Job Point (Columbia & Sedalia) <a href="http://www.jobpointmo.com">www.jobpointmo.com</a> Metro Business College <a href="http://www.metrobusinesscollege.edu">www.metrobusinesscollege.edu</a> MVC Computer & Business School <a href="http://www.mvcschool.com">www.mvcschool.com</a> National American University <a href="http://www.national.edu">www.national.edu</a> TechSkills <a href="http://www.techskills.com">www.techskills.com</a> Texas County Technical Institute <a href="http://www.texascountytech.edu">www.texascountytech.edu</a>

**Sample Careers By Educational Level – For Occupational Specialties, go to [www.careerclusters.org](http://www.careerclusters.org) or [www.missouriconnections.org](http://www.missouriconnections.org)**

On-the-Job Training	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
Billing Clerks Bookkeeping and Accounting Clerks Computer Operators Copy Machine 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 Receptionists Secretaries Shipping and Receiving Clerks Typists	Court Reporters First-Line Supervisors/Managers General and Operations Managers Production and Operating Workers	Administrative Services Managers Advertising Managers Business Executives Computer and Information Systems Managers Employee Training Specialists Employment Interviewers and Recruiters 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 Managers	Business Teacher, Postsecondary Chief Executives Controller, Treasurers Economists Medical and Health Services Managers Operations Research Analysts Statisticians



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**Education & Training**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY					
		It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.					
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Fine Art	
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE Foreign Language II Family and Careers Computer Apps/Multi Media Chromeland Network Administration	
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring Graphic Arts Child Development I/Child Development II HISTEP/Family Living Office Assistant Chromeland Network Administration	Early Childhood & Elementary Education I
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	College Chemistry* ♦	Sociology  College American History I/II* ♦	Cadet Teaching Teacher Assistant Office Assistant Chromeland Network Administration CCE	Early Childhood & Elementary Education II

**School-Based:**

- ☐ Career Research  
☐ Cooperative Education  
☐ Job Shadowing  
☐ Other:  
 \_\_\_\_\_

**Community Based:**

- ☐ Mentorship  
☐ Volunteer  
☐ Part-time Employment  
☐ Other:  
 \_\_\_\_\_

**Assessments/Certifications:**

- ☐ Technical Skills Attainment (TSA)  
☐ Other:  
 \_\_\_\_\_

**Placement Assessments:**

- ☐ Compass Test  
☐ ACT  
☐ PSAT  
☐ SAT  
☐ ASVAB  
☐ Other:  
 \_\_\_\_\_

**Student Organizations:**

- ☐ DECA  
☐ FBLA  
☐ FCCLA  
☐ Skills USA  
☐ TREND  
☐ STUCO  
☐ Other:  
 \_\_\_\_\_

Postsecondary Offerings - For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> .					
Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a> North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a> Ozarks Tech Community College <a href="http://www.otc.edu">www.otc.edu</a> St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a> St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>		Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> Cottey College - <a href="http://www.cottey.edu">www.cottey.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a> Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a> Missouri Valley College – <a href="http://www.moval.edu">www.moval.edu</a> Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis Univ - <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> St Louis Christian College <a href="http://www.slcconline.edu">www.slcconline.edu</a> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist University <a href="http://www.sbuniv.edu">www.sbuniv.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> University of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> University of MO – St Louis <a href="http://www.umsu.edu">www.umsu.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> Webster University <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	<ul style="list-style-type: none"><li>• Apprenticeship</li><li>• Military</li><li>• On-the-Job Training</li></ul> Baptist Bible College & Graduate School <a href="http://www.baptist.edu">www.baptist.edu</a> Calvary Bible College and Theological Seminary - <a href="http://www.calvary.edu">www.calvary.edu</a> Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> Conception Seminary College <a href="http://www.conceptionabbey.org">www.conceptionabbey.org</a> Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a> National American University <a href="http://www.national.edu">www.national.edu</a> Paris II Educational Center <a href="http://www.parisii.net">www.parisii.net</a> Wentworth Military Academy <a href="http://www.wma1880.org">www.wma1880.org</a>
Sample Careers By Educational Level - For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>					
	On-The-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More	
	Audi-Visual Specialists Coaches and Scouts Library Assistant Teacher Aides	Adult and Vocational Education Instructors Fitness Trainers and Aerobics Instructors Library Technical Assistants Preschool Teachers Teacher Assistants	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	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	



**De Soto High School**  
**Finance**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Fine Art		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE  Foreign Language II  Computer Apps/Multi Media		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring  Accounting I  Business Law/Business Management	Business Management I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	College Chemistry* ♦	College American History I/II* ♦	Accounting II  CCE	Business Management II	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
		<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Math Club <input type="checkbox"/> Other: _____						

\* Dual Credit      ♦ Weighted Course

For Information on Transfer Course Library approved by Coordinating Board of Higher Education - <http://dhe.mo.gov/CoreTransfer.php>

**Postsecondary Offerings – For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a> Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a> North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a> Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a> St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a> St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>		Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> DeVry University – <a href="http://www.devry.edu">www.devry.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College <a href="http://www.everest-college.com">www.everest-college.com</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a> Hickey College - <a href="http://www.hickeycollege.edu">www.hickeycollege.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a> Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> Univ of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> University of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – Rolla – <a href="http://www.umar.edu">www.umar.edu</a> Univ of MO – St Louis - <a href="http://www.umsl.edu">www.umsl.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a> Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a>	<ul style="list-style-type: none"> <li>• Apprenticeship</li> <li>• Military</li> <li>• On-the-Job Training</li> </ul> Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> National American University <a href="http://www.national.edu">www.national.edu</a>
Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>					
On-the-Job Training	Technical or Associate Degree	Bachelor's Degree	Master's Degree or More		
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	Claims Examiners, Property and Casualty Insurance Insurance Appraisers, Auto Damage Insurance Sales Agents Insurance Underwriters	Accountants and Auditors Appraisers and Assessors Budget Analysts Credit Analysts Financial Analysts Financial Examiners Financial Managers Insurance Agents Insurance Underwriters Loan Officers Securities Salespeople	Actuaries Business Teacher, Postsecondary Economists Treasurers and Controllers		



**De Soto High School**  
**Government & Public Administration**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Fine Art		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE  Foreign Language II  Computer Apps/Multi Media		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring  Business Law Website Development  Accounting I  Foreign Language III	Business Management I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	College Chemistry* ♦	Sociology Psychology Psychology II  Modern American History  College American History I/II* ♦	Website Development II  Foreign Language IV  Accounting II  CCE	Business Management II	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
		<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> TREND <input type="checkbox"/> STUCO <input type="checkbox"/> Foreign Language Club <input type="checkbox"/> Other: _____						

\* Dual Credit      ♦ Weighted Course

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**Postsecondary Offerings – For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a> Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a> Clinton Technical School <a href="http://www.ed2go.com/cts">www.ed2go.com/cts</a> Franklin Technology – MSSU <a href="http://www.ftcjoplin.com">www.ftcjoplin.com</a> Grand River Technical School <a href="http://www.grts.org">www.grts.org</a> Hillyard Technical Center <a href="http://www.hillyardtech.com">www.hillyardtech.com</a> Lex La-Ray Technical Center <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a> Moberly Area Technical Center <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a> Pike-Lincoln Technical Center <a href="http://pltc.k12.mo.us">http://pltc.k12.mo.us</a> Saline County Career Center <a href="http://www.marshallschools.com/sccc">www.marshallschools.com/sccc</a> Sikeston Career & Technology Center <a href="http://www.sikestone.k12.mo.us">www.sikestone.k12.mo.us</a>	Avila University <a href="http://www.avila.edu">www.avila.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks <a href="http://www.cofo.edu">www.cofo.edu</a> Columbia College <a href="http://www.ccis.edu">www.ccis.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> Drury University <a href="http://www.drury.edu">www.drury.edu</a> Evangel University <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College <a href="http://www.everest-college.edu">www.everest-college.edu</a> Fontbonne University <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Harris-Stowe State University <a href="http://www.hssu.edu">www.hssu.edu</a> Lincoln University <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood University <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of Saint Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Missouri Baptist University <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a>	Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a> Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University <a href="http://www.park.edu">www.park.edu</a> Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.slu.edu">www.imagine.slu.edu</a> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist University <a href="http://www.sbuniv.edu">www.sbuniv.edu</a> Stephens College <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State University <a href="http://www.truman.edu">www.truman.edu</a> University of Central Missouri <a href="http://www.ucmo.edu">www.ucmo.edu</a> University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> University of Missouri – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> University of MO – St Louis <a href="http://www.umsl.edu">www.umsl.edu</a> Washington University <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University <a href="http://www.webster.edu">www.webster.edu</a>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a> Kansas City Art Institute <a href="http://www.kcai.edu">www.kcai.edu</a> National American University <a href="http://www.national.edu">www.national.edu</a>

**Sample Careers By Educational Level – For Occupational Specialties, go to [www.careerclusters.org](http://www.careerclusters.org) or [www.missouriconnections.org](http://www.missouriconnections.org)**

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
Compliance Officers and Inspectors Government Benefits Interviewers Interpreters and Translators License Clerks Mail Carriers Meter Readers Postal Clerks	Assessors Eligibility Interviewers, Government Programs General, Operations and Transportation Managers Government Property Inspectors and Investigators Licensing Examiners and Inspectors Mapping Technicians Municipal and Court Clerks Postmaster and Mail Superintendents Surveying Technicians Tax Examiners, Collectors, and Revenue Agents Tax Preparers	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	Architecture Teachers, Postsecondary Chief Executives Communications Teachers, Postsecondary Coroners Economists Engineering Managers Political Science Teachers, Postsecondary Political Scientists



**De Soto High School**  
**Health Sciences**  
**Career Cluster Program of Study Template**  
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Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Foods I International Foods		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE  Foreign Language II  Computer Apps/Multi Media  Nutrition and Wellness		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring  Athletic Injuries/Nutrition & Wellness  Child Development/Family Living Family and Careers	Biomedical I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	Honors Anatomy And Physiology ♦  College Chemistry* ♦	Sociology  College American History I/II* ♦  Psychology Psychology II	Strength Training  Fine Art	Health Services  Biomedical II  Fire Science/EMT	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
		<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Science Club <input type="checkbox"/> Math Club <input type="checkbox"/> TREND <input type="checkbox"/> Other: _____						

\* Dual Credit      ♦ Weighted Course

For Information on Transfer Course Library approved by Coordinating Board of Higher Education - <http://dhe.mo.gov/CoreTransfer.php>

Postsecondary Offerings - For A Complete Listing, go to <a href="http://www.missouriconnections.org">www.missouriconnections.org</a> .					
Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a>	Boonslick Technical Education Center – <a href="http://www.boonville.k12.mo.us/schools/btec">www.boonville.k12.mo.us/schools/btec</a>	AT Skill University of Health Sciences <a href="http://www.atsu.edu">www.atsu.edu</a>	Missouri Valley College – <a href="http://www.moval.edu">www.moval.edu</a>	• Apprenticeship
	East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	• Military
	Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a>	Cass Career Ctr - <a href="http://www.harrisonville.k12.mo.us">www.harrisonville.k12.mo.us</a>	Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	• On-the-Job Training
	Metropolitan Comm College <a href="http://www.mccckc.edu">www.mccckc.edu</a>	Columbia Career Ctr - <a href="http://www.career-center.org">www.career-center.org</a>	Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a>	Park University - <a href="http://www.park.edu">www.park.edu</a>	Allied College - <a href="http://www.hightechinstitute.edu">www.hightechinstitute.edu</a>
	Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Eldon Career Center – <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a>	College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a>	Patricia Stevens College <a href="http://www.patriciastevenscollege.edu">www.patriciastevenscollege.edu</a>	Barnes-Jewish College of Nursing & Allied Health - <a href="http://www.barnesjewishcollege.edu">www.barnesjewishcollege.edu</a>
	Moberly Area Comm College <a href="http://www.macc.edu">www.macc.edu</a>	Excelsior Springs Area Career Center <a href="http://www.essd40.com/6/home">www.essd40.com/6/home</a>	Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a>	Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a>	Cleveland Chiropractic College <a href="http://www.cleveland.edu">www.cleveland.edu</a>
	North Central MO College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a>	Four Rivers Technical Center <a href="http://www.washington.k12.mo.us">www.washington.k12.mo.us</a>	Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a>	Saint Louis Univ - <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a>	Colorado Tech Univ <a href="http://www.coloradotech.com">www.coloradotech.com</a>
	Ozarks Tech Comm College <a href="http://www.otc.edu">www.otc.edu</a>	Franklin Technology - MSSU <a href="http://www.ftcjoplin.com">www.ftcjoplin.com</a>	Drury University - <a href="http://www.drury.edu">www.drury.edu</a>	Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a>	Cox Health - <a href="http://www.coxhealth.com">www.coxhealth.com</a>
	St. Charles Comm College <a href="http://www.stchas.edu">www.stchas.edu</a>	Grand River Tech School - <a href="http://www.grts.org">www.grts.org</a>	Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a>	Seamless College <a href="http://www.seamlesscollege.com">www.seamlesscollege.com</a>	Chamberlain College of Nursing <a href="http://www.chamberlain.edu">www.chamberlain.edu</a>
St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a>	Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a>	Everest College <a href="http://www.everest-college.com">www.everest-college.com</a>	Southeast MO State Univ - <a href="http://www.semo.edu">www.semo.edu</a>	Heritage Coll - <a href="http://www.heritage-college.com">www.heritage-college.com</a>	
State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>	Hillyard Technical Center <a href="http://www.hillyardtech.com">www.hillyardtech.com</a>	Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a>	Southwest Baptist Univ - <a href="http://www.sbuniv.edu">www.sbuniv.edu</a>	Cox College of Nursing & Health Science <a href="http://www.coxcollege.edu">www.coxcollege.edu</a>	
State Technical College of Missouri (Jefferson City) <a href="http://www.statetechmo.edu">www.statetechmo.edu</a>	Kennett Career and Technology Center <a href="http://www.kennett.k12.mo.us">www.kennett.k12.mo.us</a>	Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a>	Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a>	Job Point (Columbia & Sedalia) – <a href="http://www.jobpointmo.com">www.jobpointmo.com</a>	
Three Rivers Comm College <a href="http://www.trcc.edu">www.trcc.edu</a>	Lex La-Ray T Ctr - <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a>	Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a>	Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a>	Logan Coll of Chiropractic - <a href="http://www.logan.edu">www.logan.edu</a>	
	Moberly Area Tech Ctr - <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a>	Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a>	Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a>	Lutheran School of Nursing <a href="http://www.nursingschoollmc.com">www.nursingschoollmc.com</a>	
	Northland Career Center <a href="http://www.northlandcareercenter.com">www.northlandcareercenter.com</a>	Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a>	Univ of MO – Columbia - <a href="http://www.missouri.edu">www.missouri.edu</a>	Kansas City Univ of Med & Biosciences - <a href="http://www.kcumb.edu">www.kcumb.edu</a>	
	Northwest Technical School <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a>	Maryville Univ of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a>	Univ of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a>	Research Med Ctr School of Nuclear Med <a href="http://www.researchmedicalcenter.com">www.researchmedicalcenter.com</a>	
	Poplar Bluff Tech Career Ctr - <a href="http://www.r1schools.org">www.r1schools.org</a>	Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a>	Univ of MO – St Louis - <a href="http://www.umsu.edu">www.umsu.edu</a>	St John's Reg Health Ctr - <a href="http://www.stjohns.com">www.stjohns.com</a>	
	Rolla Tech Institute – <a href="http://www.rolla.k12.mo.us">www.rolla.k12.mo.us</a>	Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a>	Univ of Phoenix – <a href="http://www.phoenix.edu">www.phoenix.edu</a>	Saint Luke's College - <a href="http://www.saint-lukes.org">www.saint-lukes.org</a>	
	Saline County Career Center – <a href="http://www.marshallschools.com/sccc">www.marshallschools.com/sccc</a>	MO Southern State Univ - <a href="http://www.mssu.edu">www.mssu.edu</a>	Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a>	St Louis College of Health Careers <a href="http://www.slchc.com">www.slchc.com</a>	
	Sikeston Career and Technology Center <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a>	Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a>	Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a>	St Louis Coll Pharmacy - <a href="http://www.stlcoop.edu">www.stlcoop.edu</a>	
	South Central Career Center <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a>	Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>	Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a>	Southeast MO Hospital College of Nursing <a href="http://www.souteastmissourihospital.com">www.souteastmissourihospital.com</a>	
	Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>		William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a>	Truman Med Ctr School - Nurse Anesthesia <a href="http://www.trumed.org">www.trumed.org</a>	
			William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>		
Sample Careers By Educational Level - For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>					
On-The-Job Training or Less		Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More	
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		Cardiovascular Technologists Dental Hygienists Emergency Medical Technicians Health Information Technicians Licensed Practical Nurses Medical Laboratory Technicians Medical Sonographers Medical Transcriptionists Nursing Assistants Occupational Therapist Assistants Physical Therapist Assistants Radiation Therapists Radiologic Technologists Registered Nurses Respiratory Therapists Surgical Technologists Veterinary Technologists and Technicians	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	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 Medical Scientists, Except Epidemiologists Natural Sciences Mgrs, Zoologists and Wildlife Biologists Nurse Anesthetists and Physician Assistants Orthotics and Prosthetics Pharmacists Speech-Language Pathologists Communications Teachers, Postsecondary Veterinarians	



**De Soto High School**  
**Hospitality & Tourism**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health Foreign Language I International Foods Foods I Mass Media		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE Foreign Language II Fine Art Computer Apps/Multi Media Mass Media Graphic Arts	Culinary Arts I	<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring Foreign Language III Accounting I Website Development Business Law Mass Media Family and Careers/Nutrition & Wellness Office Assistant	Culinary Arts II  Business Management I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	College Chemistry* ♦	Sociology  College American History I/II* ♦  Psychology Psychology II	Foreign Language IV Accounting II/Business Management Website Development II Mass Media Office Assistant CCE	Culinary Arts III  Business Management II	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
								<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> STUCO <input type="checkbox"/> Foreign Language Club <input type="checkbox"/> Other: _____

\* Dual Credit      ♦ Weighted Course

For Information on Transfer Course Library approved by Coordinating Board of Higher Education - <http://dhe.mo.gov/CoreTransfer.php>

**Postsecondary Offerings - For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mccckc.edu">www.mccckc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Ozarks Tech Community College <a href="http://www.otc.edu">www.otc.edu</a> St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a> Columbia Area Career Center – <a href="http://www.career-center.org">www.career-center.org</a> Gibson Technical Center <a href="http://www.wolves.k12.mo.us/gtc">www.wolves.k12.mo.us/gtc</a> Lake Career and Technical Center <a href="http://www.camdentonschools.org">www.camdentonschools.org</a> Lebanon Technology Career Center <a href="http://www.lebanon.k12.mo.us">www.lebanon.k12.mo.us</a> Macon Area Vocational Technical School <a href="http://www.macon.k12.mo.us/vocational">www.macon.k12.mo.us/vocational</a> Northland Career Center <a href="http://www.northlandcareercenter.com">www.northlandcareercenter.com</a> Northwest Tech School <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a> Nevada Regional Technical Center <a href="http://www.nevada.k12.mo.us.us">www.nevada.k12.mo.us.us</a> Poplar Bluff Technical Career Center <a href="http://www.r1schools.org">www.r1schools.org</a> Sikeston Career & Technology Center <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a> South Central Career Center <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a> Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a> Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis Univ - <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Southeast MO State Univ - <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist Univ - <a href="http://www.sbuniv.edu">www.sbuniv.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> Univ of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – St Louis - <a href="http://www.umsu.edu">www.umsu.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> Kansas City Art Institute <a href="http://www.kcai.edu">www.kcai.edu</a> Lecole Culinaire <a href="http://www.lecoleculinarie.com">www.lecoleculinarie.com</a> Midwestern Baptist Theological Seminary – <a href="http://www.mbts.edu">www.mbts.edu</a>

**Sample Careers By Educational Level - For Occupational Specialties, go to [www.careerclusters.org](http://www.careerclusters.org) or [www.missouriconnections.org](http://www.missouriconnections.org)**

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
Amusement and Recreation Workers Baggage Porters and Bellhops Bartenders Casino Gaming Workers Chefs and Dinner Cooks Concierges Counter Attendants Fast Food Cooks Food Preparation Workers Hotel Desk Clerks Janitors and Cleaners Kitchen Helpers Maids and Housekeepers Professional Athletes Recreation Attendants Recreation Guides Recreation Workers Reservation and Ticket Agents Restaurant Hosts Tour Guides Umpires and Referees Waiters and Waitresses	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	Interpreters and Translators Meeting and Convention Planners Recreation Workers Set and Exhibit Designers Social and Community Service Managers	Farm and Home Management Advisors



**De Soto High School**  
**Human Services**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Fine Art		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE  Foreign Language II  Computer Apps/Multi Media  Business Law/Child Development		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring  Foreign Language III Graphic Arts Family Living/Family and Careers  Accounting I Programming	Early Childhood and Elementary Education I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	College Chemistry* ♦	Sociology  College American History I/II* ♦  Psychology Psychology II	Foreign Language IV  Website Development Website Development II  Accounting II  CCE	Early Childhood and Elementary Education II	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
		<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> STUCO <input type="checkbox"/> TREND <input type="checkbox"/> Other: _____						

\* Dual Credit      ♦ Weighted Course

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**Postsecondary Offerings - For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a> St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> Davis Hart Career Center <a href="http://www.mexicoschools.net">www.mexicoschools.net</a> Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a> Heritage Tech Institute <a href="http://www.hightechinstitute.edu">www.hightechinstitute.edu</a> Massage Therapy Training Institute <a href="http://www.massagetherapytraininginstitute.com">www.massagetherapytraininginstitute.com</a> Midwest Institute <a href="http://www.midwestinstitute.com">www.midwestinstitute.com</a> Neosho Beauty College <a href="http://www.neoshobeautycollege.com">www.neoshobeautycollege.com</a> Paris II Educational Center - <a href="http://www.parisii.net">www.parisii.net</a> Patsy & Robs Academy of Beauty <a href="http://www.praob.edu">www.praob.edu</a> Pinnacle Career Institute <a href="http://www.pcittraining.edu">www.pcittraining.edu</a> Poplar Bluff Technical Career Center <a href="http://www.r1schools.org">www.r1schools.org</a> Professional Massage Training Center <a href="http://www.pmtc.edu">www.pmtc.edu</a> Regency Beauty Institute <a href="http://www.regencybeauty.com">www.regencybeauty.com</a> St Charles School of Massage Therapy <a href="http://www.dayspaacademy.net">www.dayspaacademy.net</a>	Allied College - <a href="http://www.alliedcollege.edu">www.alliedcollege.edu</a> Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Central Bible College - <a href="http://www.cbccag.edu">www.cbccag.edu</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> Conception Seminary College <a href="http://www.conceptionabbey.org">www.conceptionabbey.org</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> Metro Business College <a href="http://www.metrobusinesscollege.edu">www.metrobusinesscollege.edu</a> Midwest University - <a href="http://www.midwest.edu">www.midwest.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a> Missouri College of Cosmetology <a href="http://www.missouricosmo.com">www.missouricosmo.com</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Ozark Christian College - <a href="http://www.occ.edu">www.occ.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis Christian College <a href="http://www.slcconline.edu">www.slcconline.edu</a> St Louis College of Health Careers <a href="http://www.slchc.com">www.slchc.com</a> Saint Louis Univ - <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a> Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist University <a href="http://www.sbu.edu">www.sbu.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> University of MO - Columbia <a href="http://www.missouri.edu">www.missouri.edu</a> University of MO - Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO - St Louis - <a href="http://www.umsu.edu">www.umsu.edu</a> Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul> Aquinas Institute of Theology <a href="http://www.ai.edu">www.ai.edu</a> Assemblies of God Theological Seminary - <a href="http://www.agts.edu">www.agts.edu</a> Calvary Bible College & Theological Seminary - <a href="http://www.calvary.edu">www.calvary.edu</a> Chillocothe Beauty Academy <a href="http://www.chillocothecosmetology.com">www.chillocothecosmetology.com</a> Concordia Seminary - <a href="http://www.csl.edu">www.csl.edu</a> Cosmetology Concepts Institute <a href="http://www.cosmetology-concepts.com">www.cosmetology-concepts.com</a> Covenant Theological Seminary <a href="http://www.covenantseminary.edu">www.covenantseminary.edu</a> Eden Theological Seminary <a href="http://www.eden.edu">www.eden.edu</a> Elaine Steven Beauty College <a href="http://www.elainestevenbeautycollege.com">www.elainestevenbeautycollege.com</a> Grabber School of Hair Design <a href="http://www.grabberschool.com">www.grabberschool.com</a> House of Heavlin Beauty College <a href="http://www.kc-hair.com">www.kc-hair.com</a> Independence College of Cosmetology <a href="http://www.hair-skin-nails.com">www.hair-skin-nails.com</a> Kenrick Glennon Seminary <a href="http://www.kenrick.edu">www.kenrick.edu</a> Merrell University of Beauty Arts & Science - <a href="http://www.merrelluniversity.edu">www.merrelluniversity.edu</a> Midwestern Baptist Theological Seminary - <a href="http://www.mbt.edu">www.mbt.edu</a> Nazarene Theological Seminary <a href="http://www.nts.edu">www.nts.edu</a> St Paul School of Theology <a href="http://www.spst.edu">www.spst.edu</a>

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On-The-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
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	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	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	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



**De Soto High School**  
**Information Technology**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Fine Art  Mass Media		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE Foreign Language II Computer Apps/Multi Media Mass Media Graphic Arts Chromeland Network Administration		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring Mass Media Programming Website Development Chromeland Network Administration	Digital Media Technology I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	College Chemistry* ♦	Sociology  College American History I/II* ♦  Psychology Psychology II	Mass Media Website Development II Business Law Accounting I CCE Chromeland Network Administration	Digital Media Technology II	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
		<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Math Club <input type="checkbox"/> Science Club <input type="checkbox"/> Other: _____						

\* Dual Credit      ♦ Weighted Course

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**Postsecondary Offerings – For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a>	Davis Hart Career Center <a href="http://www.mexicoschools.net">www.mexicoschools.net</a>	A.T. Skill University of Health Sciences <a href="http://www.atsu.edu">www.atsu.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	• Apprenticeship • Military • On-the-Job Training
	East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a>	Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a>
	Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a>	Kirkville Area Tech Center <a href="http://www.kirkville.k12.mo.us">www.kirkville.k12.mo.us</a>	Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a>	Park University - <a href="http://www.park.edu">www.park.edu</a>	Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a>
	Metropolitan Community College <a href="http://www.mccckc.edu">www.mccckc.edu</a>	Lake Career & Technical Center – <a href="http://www.camdentonschools.org">www.camdentonschools.org</a>	Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a>	Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a>	ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a>
	Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Rolla Tech Institute – <a href="http://www.rolla.k12.mo.us">www.rolla.k12.mo.us</a>	College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a>	Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a>	Kansas City Art Institute <a href="http://www.kcai.edu">www.kcai.edu</a>
	Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a>	Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a>	Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a>	Midwest Institute <a href="http://www.midwestinstitute.com">www.midwestinstitute.com</a>
	North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a>		Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a>	Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a>	Missouri Tech <a href="http://www.motech.edu">www.motech.edu</a>
	Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a>		DeVry University – <a href="http://www.devry.edu">www.devry.edu</a>	Southwest Baptist University <a href="http://www.sbuiv.edu">www.sbuiv.edu</a>	National American University <a href="http://www.national.edu">www.national.edu</a>
	St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a>		Drury University - <a href="http://www.drury.edu">www.drury.edu</a>	Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a>	Pinnacle Career Institute <a href="http://www.pcittraining.edu">www.pcittraining.edu</a>
	St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a>		Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a>	Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a>	Texas County Technical Institute <a href="http://www.texascountytech.edu">www.texascountytech.edu</a>
	State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>		Everest College <a href="http://www.everest-college.com">www.everest-college.com</a>	University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a>	
	State Technical College of Missouri <a href="http://www.statetechmo.edu">www.statetechmo.edu</a>		Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a>	University of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a>	
	Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>		Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a>	Univ of MO – Rolla – <a href="http://www.umsr.edu">www.umsr.edu</a>	

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On-the-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
	Computer Operators Computer Support Specialists Network Systems and Data Communications Analysts Numerical Tool and Process Control Programmers Web Administrators Web Developers	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 Multi-Media Artists and Animators Network and Computer Systems Administrators Software Quality Assurance Engineers and Testers	Computer and Information Scientists, Research Computer Science Teachers, Postsecondary Engineering Managers



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**Law, Public Safety, Corrections & Security**  
**Career Cluster Program of Study Template**  
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Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Fine Art		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE  Foreign Language II  Computer Apps/Multi Media		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring  Foreign Language III  Business Law/Business Management		<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	College Chemistry* ♦	Sociology Contemporary History Modern American History College American History I/II* ♦ Psychology Psychology II	Foreign Language IV  CCE	Fire Science/EMT	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
								<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> STUCO <input type="checkbox"/> TREND <input type="checkbox"/> Foreign Language Club <input type="checkbox"/> Other: _____

\* Dual Credit

♦ Weighted Course

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**Postsecondary Offerings - For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a>	Park University - <a href="http://www.park.edu">www.park.edu</a>	• Apprenticeship
	East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a>	Columbia Career Center <a href="http://www.career-center.org">www.career-center.org</a>	College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a>	Patricia Stevens College <a href="http://www.patriciastevenscollege.edu">www.patriciastevenscollege.edu</a>	• Military
	Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a>	Excelsior Springs Area Career Center <a href="http://www.essd40.com/6/home">www.essd40.com/6/home</a>	Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a>	Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a>	• On-the-Job Training
	Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a>	Grand River Tech School - <a href="http://www.grts.org">www.grts.org</a>	Drury University - <a href="http://www.drury.edu">www.drury.edu</a>	Saint Louis Univ - <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a>	Allied College <a href="http://www.alliedcollege.edu">www.alliedcollege.edu</a>
	Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Hillyard Technical Center <a href="http://www.hillyardtech.com">www.hillyardtech.com</a>	Everest College <a href="http://www.everest-college.com">www.everest-college.com</a>	Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a>	High Tech Institute <a href="http://www.hightechinstitute.edu">www.hightechinstitute.edu</a>
	Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a>	Kennett Career & Technology Center <a href="http://www.kennett.k12.mo.us">www.kennett.k12.mo.us</a>	Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a>	Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a>	National American University <a href="http://www.national.edu">www.national.edu</a>
	North Central MO College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a>	Rolla Technical Institute <a href="http://www.rolla.k12.mo.us">www.rolla.k12.mo.us</a>	Hickey College <a href="http://www.hickeycollege.edu">www.hickeycollege.edu</a>	Southwest Baptist University <a href="http://www.sbu.edu">www.sbu.edu</a>	Texas County Technical Institute <a href="http://www.texascountytech.edu">www.texascountytech.edu</a>
	Ozarks Tech Community College <a href="http://www.otc.edu">www.otc.edu</a>	Saline County Career Center – <a href="http://www.marshallschools.com/sccc">www.marshallschools.com/sccc</a>	Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a>	Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a>	
	St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a>	Sikeston Career and Technology Center <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a>	Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a>	University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a>	
	St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a>	South Central Career Center <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a>	MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a>	University of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a>	
	State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>	Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a>	Univ of MO – St Louis - <a href="http://www.umsu.edu">www.umsu.edu</a>	
	State Technical College of Missouri <a href="http://www.statetechmo.edu">www.statetechmo.edu</a>		Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>	Univ of Phoenix – <a href="http://www.phoenix.edu">www.phoenix.edu</a>	
	Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>		Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a>	
				Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a>	
				Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a>	
				William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	

**Sample Careers By Educational Level - For Occupational Specialties, go to [www.careerclusters.org](http://www.careerclusters.org) or [www.missouriconnections.org](http://www.missouriconnections.org)**

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
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 Patrolters Parking Enforcement Officers Parking Enforcement Workers Police, Fire, and Ambulance Dispatchers Security Guards Sheriffs Transportation Security Agents	Correctional Officers and Jailers Court Reporters Emergency Medical Technicians and Paramedics Fire Inspectors 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	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	Anthropology and Archeology Teachers, Postsecondary Child, Family, and School Social Workers Criminal Justice and Law Enforcement Teachers, Postsecondary Lawyer Psychology Teachers, Postsecondary



**De Soto High School**  
**Manufacturing**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Art I		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE  Foreign Language II  Computer Apps/Multi Media	Metal Fabrication I  Building Repair Technology I  Residential Carpentry I	<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring  Housing and Interior Design  Website Development  Graphic Arts	Metal Fabrication II  Building Repair Technology II  Advanced Residential Carpentry  Welding I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦			CCE  Website Development II	Metal Fabrication III  Building Repair Technology III  Advanced Residential Carpentry  Welding II  Automotive Technology	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
		<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____						

\* Dual Credit      ♦ Weighted Course

For Information on Transfer Course Library approved by Coordinating Board of Higher Education - <http://dhe.mo.gov/CoreTransfer.php>

**Postsecondary Offerings – For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a>	Carrollton Area Career Center <a href="http://www.trojans.k12.mo.us">www.trojans.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a>	MO University of Science & Technology <a href="http://www.mst.edu">www.mst.edu</a>	• Apprenticeship • Military • On-the-Job Training
	Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a>	Columbia Area Career Center – <a href="http://www.career-center.org">www.career-center.org</a>	Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a>
	Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a>	Eldon Career Ctr - <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a>	Bryan College - <a href="http://www.bryancollege.ecom">www.bryancollege.ecom</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	DeVry University <a href="http://www.drury.edu">www.drury.edu</a>
	Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Grand River Tech School - <a href="http://www.grts.org">www.grts.org</a>	Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a>	Park University - <a href="http://www.park.edu">www.park.edu</a>	Foley-Belsaw Institute <a href="http://www.foley-belsaw.com">www.foley-belsaw.com</a>
	Moberly Area Comm College <a href="http://www.macc.edu">www.macc.edu</a>	Herndon Career Center <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a>	College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a>	Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a>	Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a>
	North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a>	Hillyard Technical Center <a href="http://www.hillyardtech.com">www.hillyardtech.com</a>	Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a>	Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a>	ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a>
	Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a>	Lake Career & Technical Center – <a href="http://www.camdentonschools.org">www.camdentonschools.org</a>	Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a>	Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a>	National American University <a href="http://www.national.edu">www.national.edu</a>
	St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a>	Lamar Career and Technical Center <a href="http://www.lamar.k12.mo.us">www.lamar.k12.mo.us</a>	Drury University - <a href="http://www.drury.edu">www.drury.edu</a>	Sevier State Univ - <a href="http://www.sevier.edu">www.sevier.edu</a>	Texas County Technical Institute <a href="http://www.texascountytech.edu">www.texascountytech.edu</a>
	State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>	Lex La-Ray Tech Center <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a>	Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a>	Southeast MO State Univ - <a href="http://www.semo.edu">www.semo.edu</a>	
	State Technical College of MO <a href="http://www.statetechmo.edu">www.statetechmo.edu</a>	Lewis & Clark Career Center <a href="http://www.stcharles.k12.mo.us/schools/lewis_clark.htm">www.stcharles.k12.mo.us/schools/lewis_clark.htm</a>	Everest College <a href="http://www.everest-college.edu">www.everest-college.edu</a>	Southwest Baptist Univ - <a href="http://www.sbu.edu">www.sbu.edu</a>	
	Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Kennett Career & Technology Center <a href="http://www.kennett.k12.mo.us">www.kennett.k12.mo.us</a>	Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a>	Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a>	
Sample Careers By Educational Level – For Occupational Specialties, go to <a href="http://www.careerclusters.org">www.careerclusters.org</a> or <a href="http://www.missouriconnections.org">www.missouriconnections.org</a>					
On-The-Job Training or Less		Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More	
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 Precision Assemblers Quality Control Inspectors Small Engine Mechanics Tailors Tire Building Machine Operators Tool and Die Makers Tool Grinders Upholsterers Vehicle Painters Woodworking Machine Operators		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	Chemical Engineers Occupational Health and Safety Specialists Safety Engineers		



**De Soto High School**  
**Marketing**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Art I		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE  Foreign Language II  Computer Apps/Multi Media  Graphic Arts		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring  Foreign Language III  Accounting I  Business Law/Business Management	Business Management I	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	College Chemistry* ♦	Sociology  College American History I/II* ♦  Psychology Psychology II	Foreign Language IV  Website Development Advanced Development  Accounting II  CCE	Business Management II	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
		<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> STUCO <input type="checkbox"/> Foreign Language Club <input type="checkbox"/> Other: _____						

\* Dual Credit

♦ Weighted Course

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**Postsecondary Offerings – For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a> East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a> Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a> Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a> Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a> Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a> North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a> Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a> St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a> St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a> State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a> Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Columbia Area Career Center – <a href="http://www.career-center.org">www.career-center.org</a> Eldon Career Center <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a> Hannibal Career and Technical Center <a href="http://www.hannibal.tec.mo.us">www.hannibal.tec.mo.us</a> Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a> Northwest Technical School <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a> Rankin Tech College - <a href="http://www.ranken.edu">www.ranken.edu</a> Rolla Tech Institute – <a href="http://www.rolla.k12.mo.us">www.rolla.k12.mo.us</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a> Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a> Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a> Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a> College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a> Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a> Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a> DeVry University – <a href="http://www.devry.edu">www.devry.edu</a> Drury University - <a href="http://www.drury.edu">www.drury.edu</a> Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a> Everest College <a href="http://www.everest-college.com">www.everest-college.com</a> Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a> Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a> Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a> Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a> Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a> Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a> Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a> Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a> Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a> MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a> Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a> Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a> Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a> Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a> Park University - <a href="http://www.park.edu">www.park.edu</a> Patricia Stevens College <a href="http://www.patriciastevenscollege.edu">www.patriciastevenscollege.edu</a> Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a> Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a> Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a> Southeast MO State Univ - <a href="http://www.semo.edu">www.semo.edu</a> Southwest Baptist Univ - <a href="http://www.sbuniv.edu">www.sbuniv.edu</a> Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a> Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a> Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a> Univ of MO – Columbia - <a href="http://www.missouri.edu">www.missouri.edu</a> Univ of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a> Univ of MO – Rolla – <a href="http://www.umsr.edu">www.umsr.edu</a> Univ of MO – St Louis - <a href="http://www.umsi.edu">www.umsi.edu</a> Univ of Phoenix – <a href="http://www.phoenix.edu">www.phoenix.edu</a> Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a> Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a> Webster University - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a> Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a> William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a> William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	<ul style="list-style-type: none"> <li>• Apprenticeship</li> <li>• Military</li> <li>• On-the-Job Training</li> </ul> Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a> Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a> ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a> National American University <a href="http://www.national.edu">www.national.edu</a>

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On-the-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
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	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 Travel Guides Wholesale and Retail Buyers, Except Farm Products	Art Directors Editors Market Research Analysts Public Relations Specialists Sales Managers Sales Representatives Survey Researchers Technical Writers	Business Teacher, Postsecondary Marketing Managers Public Relations Managers Purchasing Managers Sales Managers



**De Soto High School**  
**Science, Technology, Engineering & Mathematics**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Fine Art		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE Foreign Language II Computer Apps/Multi Media Chromeland Network Administration		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring Programming Foreign Language III Chromeland Network Administration Graphic Arts		<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦	Physics  College Chemistry* ♦	College American History I/II* ♦	Foreign Language Website Development Website Development II CCE Chromeland Network Administration		<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
								<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> STUCO <input type="checkbox"/> Science Club <input type="checkbox"/> Math Club <input type="checkbox"/> Foreign Language Club <input type="checkbox"/> Other: _____

\* Dual Credit      ♦ Weighted Course

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**Postsecondary Offerings – For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a>	Boonslick Technical Education Center – <a href="http://www.boonville.k12.mo.us/schools/btec">www.boonville.k12.mo.us/schools/btec</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	<ul style="list-style-type: none"> <li>• Apprenticeship</li> <li>• Military</li> <li>• On-the-Job Training</li> </ul> <p>Grantham University <a href="http://www.grantham.edu">www.grantham.edu</a></p>
	East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a>	Missouri Tech <a href="http://www.motech.edu">www.motech.edu</a>	Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a>	Park University - <a href="http://www.park.edu">www.park.edu</a>	
	Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a>		College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a>	Rockhurst University <a href="http://www.rockhurst.edu">www.rockhurst.edu</a>	
	Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a>		Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a>	Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a>	
	Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a>		Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a>	Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a>	
	St. Charles Community College <a href="http://www.stchas.edu">www.stchas.edu</a>		Drury University - <a href="http://www.drury.edu">www.drury.edu</a>	Southwest Baptist University <a href="http://www.sbuniv.edu">www.sbuniv.edu</a>	
	St. Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a>		Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a>	Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a>	
	State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>		Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a>	Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a>	
	Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>		Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a>	University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a>	
			Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a>	University of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a>	
			Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a>	Univ of MO – Rolla – <a href="http://www.umsr.edu">www.umsr.edu</a>	
			MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a>	Univ of MO – St Louis - <a href="http://www.umsi.edu">www.umsi.edu</a>	
			Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a>	Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a>	
			MO University of Science & Technology <a href="http://www.mst.edu">www.mst.edu</a>	Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a>	
			Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a>	

**Sample Careers By Educational Level – For Occupational Specialties, go to [www.careerclusters.org](http://www.careerclusters.org) or [www.missouriconnections.org](http://www.missouriconnections.org)**

On-the-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
	Electronics Engineering Technologists Engineering Technicians Manufacturing Engineering Technologists Science Technicians	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	Anthropologists Archeologists Astronomers Biologists Environmental Scientists Geographers Geologists and Geophysicists Historians Mathematicians Physicists Political Scientists Robotics Engineers Sociologists



**De Soto High School**  
**Transportation, Distribution & Logistics**  
**Career Cluster Program of Study Template**  
**www.desoto.k12.mo.us**

Minimum Graduation Requirements		SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Area Technical School of Jefferson College	Additional Learning Opportunities
<b>Secondary</b>	<b>9</b>	9 <sup>th</sup> English or Advanced 9 <sup>th</sup> English	Intro to Algebra or Algebra I/ Accelerated Algebra I or Geometry/Accelerated Geometry	Physics 1 <sup>st</sup>	World History or Advanced World History	PE /Health  Foreign Language I  Fine Art		<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Other: _____
	<b>10</b>	10 <sup>th</sup> English or Advanced 10 <sup>th</sup> English	Algebra I or Geometry/Accelerated Geometry or Algebra II or Algebra II/Trig	General Chemistry or Advanced Chemistry	American History or Honors American History ♦	Personal Finance/PE  Foreign Language II  Computer Apps/Multi Media		<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	<b>11</b>	11 <sup>th</sup> English or Honors 11 <sup>th</sup> English ♦	Geometry/Accelerated Geometry or Algebra II or Trigonometry or Algebra II/Trig or College Algebra* ♦ or Pre-Calculus	Biology	American Government or Advanced American Government	ACT Prep/A+ Tutoring  Accounting I  Business Law/Business Management  Graphic Arts		<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	<b>12</b>	12 <sup>th</sup> English or Advanced 12 <sup>th</sup> English or College Comp I/II* ♦	Algebra II or Trigonometry or College Algebra* ♦ or Pre-Calculus or Calculus* ♦			Accounting II  CCE	Automotive Technology	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____
								<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: _____

\* Dual Credit      ♦ Weighted Course

For Information on Transfer Course Library approved by Coordinating Board of Higher Education - <http://dhe.mo.gov/CoreTransfer.php>

**Postsecondary Offerings – For A Complete List of Colleges, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institutions	In State		Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a>	Cape Girardeau Career/Tech Center <a href="http://www.cape.k12.mo.us/cc/default.htm">www.cape.k12.mo.us/cc/default.htm</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	<ul style="list-style-type: none"> <li>Apprenticeship</li> <li>Military</li> <li>On-the-Job Training</li> </ul>
	East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a>	Clinton Technical School - <a href="http://www.clinton.k12.mo.us">www.clinton.k12.mo.us</a>	Baptist Bible College - <a href="http://www.baptist.edu">www.baptist.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	Aviation Institute of Maintenance <a href="http://www.aviationmaintenance.edu">www.aviationmaintenance.edu</a>
	Hannibal-Lagrange College <a href="http://www.hlg.edu">www.hlg.edu</a>	Davis Hart Career Ctr- <a href="http://www.mexicoschools.net">www.mexicoschools.net</a>	Bryan College - <a href="http://www.bryancollege.com">www.bryancollege.com</a>	Park University - <a href="http://www.park.edu">www.park.edu</a>	Colorado Technical University <a href="http://www.coloradotech.com">www.coloradotech.com</a>
	Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a>	Eldon Career Ctr - <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a>	Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a>	Rockhurst Univ - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a>	American Truck Training <a href="http://www.americantrucktraining.com">www.americantrucktraining.com</a>
	Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a>	Four Rivers Career Center <a href="http://www.washington.k12.mo.us">www.washington.k12.mo.us</a>	College of the Ozarks - <a href="http://www.cofo.edu">www.cofo.edu</a>	Patricia Stevens College <a href="http://www.patriciastevenscollege.edu">www.patriciastevenscollege.edu</a>	C-1 Truck Driver Training <a href="http://www.c1training.com">www.c1training.com</a>
	Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Franklin Technology- MSSU <a href="http://www.ftcjoplin.com">www.ftcjoplin.com</a>	Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a>	St. Louis Univ - <a href="http://www.imagine.slu.edu">www.imagine.slu.edu</a>	ITT Technical Institute <a href="http://www.itt-tech.edu">www.itt-tech.edu</a>
	Moberly Area Community College <a href="http://www.macc.edu">www.macc.edu</a>	Gibson Tech Ctr - <a href="http://www.wolves.k12.mo.us/gtc">www.wolves.k12.mo.us/gtc</a>	Culver-Stockton College - <a href="http://www.culver.edu">www.culver.edu</a>	Southeast Missouri State University <a href="http://www.semo.edu">www.semo.edu</a>	Nuway Truck Driver Training <a href="http://www.nuwaytruckschools.com">www.nuwaytruckschools.com</a>
	North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a>	Grand River Technical School - <a href="http://www.grts.org">www.grts.org</a>	DeVry University - <a href="http://www.devry.edu">www.devry.edu</a>	Southwest Baptist University <a href="http://www.sbu.edu">www.sbu.edu</a>	Southern MO Truck Driving School <a href="http://www.smtds.com">www.smtds.com</a>
	Ozarks Technical Comm College <a href="http://www.otc.edu">www.otc.edu</a>	Hannibal Career and Technical Center <a href="http://www.hannibal.tec.mo.us">www.hannibal.tec.mo.us</a>	Drury University - <a href="http://www.drury.edu">www.drury.edu</a>	Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a>	Westwind CDL Training Center <a href="http://www.westwindcdl.com">www.westwindcdl.com</a>
	Ranken Technical College <a href="http://www.ranken.edu">www.ranken.edu</a>	Herndon Career Center - <a href="http://www.herndoncareercenter.com">www.herndoncareercenter.com</a>	Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a>	Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a>	Witte Truck Driving School
	Sanford-Brown College <a href="http://www.sanford-browncollege.com">www.sanford-browncollege.com</a>	Kennett Career & Technology Center – <a href="http://www.kennett.k12.mo.us">www.kennett.k12.mo.us</a>	Everest College - <a href="http://www.everest-college.edu">www.everest-college.edu</a>	University of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a>	
	St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a>	Kirksville Area Tech Ctr - <a href="http://www.kirksville.k12.mo.us">www.kirksville.k12.mo.us</a>	Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a>	University of Missouri – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a>	
	State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>	Lake Career and Technical Center <a href="http://www.camdentonschools.org">www.camdentonschools.org</a>	Graham Univ - <a href="http://www.grantham.edu">www.grantham.edu</a>	University of Missouri – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a>	
	State Technical College of Missouri <a href="http://www.statetechmo.edu">www.statetechmo.edu</a>	Lebanon Technology and Career Ctr <a href="http://www.lebanon.k12.mo.us/lccc">www.lebanon.k12.mo.us/lccc</a>	Harris-Stowe State Univ - <a href="http://www.hssu.edu">www.hssu.edu</a>	University of Missouri – St Louis <a href="http://www.umsl.edu">www.umsl.edu</a>	
	Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>	Lex La-Ray Tech Ctr <a href="http://www.lexington.k12.mo.us">www.lexington.k12.mo.us</a>	Lincoln University - <a href="http://www.lincolnu.edu">www.lincolnu.edu</a>	Univ of Phoenix - <a href="http://www.phoenix.edu">www.phoenix.edu</a>	
		Nichols Career Center - <a href="http://www.jcps.k12.mo.us">www.jcps.k12.mo.us</a>	Lindenwood Univ - <a href="http://www.lindenwood.edu">www.lindenwood.edu</a>	Vatterott College <a href="http://www.vatterott-college.edu">www.vatterott-college.edu</a>	
		Northland Career Center <a href="http://www.northlandcareercenter.com">www.northlandcareercenter.com</a>	Maryville University of Saint Louis <a href="http://www.maryville.edu">www.maryville.edu</a>	Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a>	
		Northwest Tech School <a href="http://www.maryville.k12.mo.us">www.maryville.k12.mo.us</a>	Messenger College <a href="http://www.messengercollege.edu">www.messengercollege.edu</a>	Webster Univ - <a href="http://www.websteruniv.edu">www.websteruniv.edu</a>	
		Pike-Lincoln Tech Ctr - <a href="http://www.pltc.k12.mo.us">www.pltc.k12.mo.us</a>	Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a>	Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a>	
		Poplar Bluff Tech Career Center - <a href="http://www.r1schools.org">www.r1schools.org</a>	Missouri College <a href="http://www.missouricollege.com">www.missouricollege.com</a>	William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a>	
		Rolla Tech Institute - <a href="http://www.rolla.k12.mo.us">www.rolla.k12.mo.us</a>	Missouri Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a>	William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>	
		Saline County Career Center <a href="http://www.marshallschools.com/sccc">www.marshallschools.com/sccc</a>	Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a>		
		Sikeston Career & Technology Center <a href="http://www.sikeston.k12.mo.us">www.sikeston.k12.mo.us</a>	Missouri State Univ – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>		
		South Central Career Ctr - <a href="http://www.wphs.k12.mo.us">www.wphs.k12.mo.us</a>	Missouri University of Science & Tech <a href="http://www.mst.edu">www.mst.edu</a>		
		Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>			

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On-the-Job Training or Less	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or More
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	Aircraft Mechanic Automobile Mechanics Bus and Truck Mechanics and Diesel Engine Specialists Electrical/Electronics Installers/Repairers, Transportation Equipment Electronic Equipment Installers/Repairers, Motor Vehicles First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand 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	Airline Pilot Logisticians Storage and Distribution Managers	Chief Executive

## ENGLISH

Course Title	Prerequisite	Grade Level	Sem/Year
9 <sup>TH</sup> English	None	9	Year
Advanced 9 <sup>TH</sup> English	Placement Test	9	Year
10 <sup>TH</sup> English	9 <sup>TH</sup> English	10	Year
Advanced 10 <sup>TH</sup> English	9 <sup>TH</sup> English (A- or above) or Advanced 9 <sup>TH</sup> English (B or above)	10	Year
11 <sup>TH</sup> English	10 <sup>TH</sup> English	11	Year
Honors 11 <sup>TH</sup> English	10 <sup>TH</sup> English (A- or above) or Advanced 10 <sup>TH</sup> English (B or above)	11	Year
12 <sup>TH</sup> English	11 <sup>TH</sup> English	12	Year
Advanced 12 <sup>TH</sup> English	11 <sup>TH</sup> English; College Bound Student	12	Year
College Composition I	See Description	12	1 <sup>ST</sup> Semester
College Composition II	See Description	12	2 <sup>ND</sup> Semester

**\*\* Denotes class that is NCAA approved.**

**CLASS: 9<sup>TH</sup> ENGLISH\*\***

**GRADE LEVEL: 9**

**PREREQUISITES: None**

**1 CREDIT**

*CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This required course is a basic study of grammar, composition, literature, vocabulary, roots, and spelling. The grammar study centers on the parts of speech, parts of a sentence, usage, and mechanics. Composition centers on paragraph structure and is analytical as well as creative in nature. A research paper is also required. The literature study centers on a major Shakespearean play, novels, a short story unit, and a nonfiction unit. End-of-Course (EOC) Exam administered upon successful completion of course.

**CLASS: ADVANCED 9<sup>TH</sup> ENGLISH\*\***

**GRADE LEVEL: 9**

**PREREQUISITES: Placement test given in 8<sup>TH</sup> grade determines eligibility**

**1 CREDIT**

*CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** Selections from the literature book and additional novels will focus on more challenging literature and/or on higher level depth of knowledge. Advanced students will read selections and develop their own ideas to present in class discussion. Socratic seminar will be introduced in this advanced class. Writing will focus on student development of ideas and rhetoric. Students will learn skills to analyze and synthesize information on their own. Students will present their understanding during class discussion, essay writing, presentations, discussion boards, and journals/reflective writings. Focus will be placed on understanding more complex literary devices and rhetoric. Students will analyze these devices to make connections and evaluate author's style and purpose. Writing will be taught in conjunction to the literary units and as stand-alone units. Students will develop their own ideas and present their ideas in essay form. Students will also compare and contrast text to text, text to self, and text to world. End-of-Course (EOC) Exam administered upon successful completion of course.

### CAREER PATH CODES

AC= Arts & Communication  
HUS= Human Services

BMT= Business Management/Technology  
IET= Industrial/Engineering Technology

HLS= Health Services  
NRA= Natural Resources/Agriculture

**CLASS: 10<sup>TH</sup> ENGLISH\*\*****GRADE LEVEL: 10****PREREQUISITES: 9<sup>TH</sup> English****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This required course is a study of grammar, composition, literature, vocabulary, roots, and spelling. The study of grammar will be incorporated with the composition units and will be writing based. It will center on parts of a sentence, subject/verb agreement, usage, punctuation, and phrases and clauses emphasizing essay writing and a research paper. The study of literature will include units related to the short story, the novel, drama, poetry, and nonfiction. Oral presentations will be required throughout the year. End-of-Course (EOC) Exam administered upon successful completion of course.

**CLASS: ADVANCED 10<sup>TH</sup> ENGLISH\*\*****GRADE LEVEL: 10****PREREQUISITES: 9<sup>TH</sup> English (A- or above) or Advanced 9<sup>TH</sup> English (B or above)****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This alternative to 10th English, is faster paced for the bright and highly motivated student. There will be additional emphasis on the ACT objectives and preparation for Honors 11<sup>th</sup> English. Heavy emphasis is placed on novels, plays, and research. A teacher assigned summer reading will be required. End-of-Course (EOC) Exam administered upon successful completion of course.

**CLASS: 11<sup>TH</sup> ENGLISH\*\*****GRADE LEVEL: 11****PREREQUISITES: 10<sup>TH</sup> English****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This required course is an intensive study of American Literature requiring written and oral composition to analyze and explicate poetry, essays, short stories, and novels. The written compositions will continue the student's study of mechanics and logical reasoning as well as sentences, paragraph, and theme structure. The study of grammar will include usage, commas, modifiers, and phrases and clauses. A research/term paper is a requirement. Vocabulary and roots will also be studied. Emphasis on higher level cognitive thinking skills will be implemented through classroom discussion, writing, assignments, and tests. Oral presentations and group work will be required throughout the year.

**CLASS: HONORS 11<sup>TH</sup> ENGLISH\*\*****GRADE LEVEL: 11, .025 Weighted****PREREQUISITES: 10<sup>TH</sup> English (A- or above) or Advanced 10<sup>TH</sup> English (B or above)****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This alternative to 11<sup>TH</sup> English is faster paced for bright and highly motivated students. There will be additional emphasis on the ACT objectives and preparation for Advanced 12<sup>TH</sup> English or College Composition. Heavy emphasis is placed on novels. A teacher assigned summer reading will be required.

**CAREER PATH CODES**

AC= Arts & Communication  
HUS= Human Services

BMT= Business Management/Technology  
IET= Industrial/Engineering Technology

HLS= Health Services  
NRA= Natural Resources/Agriculture

**CLASS: 12<sup>TH</sup> ENGLISH\*\*****GRADE LEVEL: 12****PREREQUISITES: 11<sup>TH</sup> English****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This required full-year course is designed to engage students in the careful reading and critical analysis of a variety of writings. Students will be taught to identify literary elements and devices. Throughout the course, there will be an emphasis on characterization, themes, and plot development. Through teacher-directed instruction, peer-supported learning, and self-directed learning students will enhance their reading abilities and strengthen their weaknesses. This course incorporates reading research and accentuates teacher-directed instruction, peer-supported learning, and self-directed learning. Students will focus on eight power strategies that proficient readers use: content and specialized vocabulary, text features, text structures, monitoring understanding, previewing text, activating background knowledge, questioning, and summarizing, noting and retrieving information. This course is designed to challenge students and prepare them for reading/writing in college and/or the workplace while meeting various needs and learning styles of the students.

**CLASS: ADVANCED 12<sup>TH</sup> ENGLISH\*\*****GRADE LEVEL: 12****PREREQUISITES: 11<sup>TH</sup> English; College Bound Student****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This course is an alternative to 12<sup>TH</sup> English and is designed for the student who plans to attend college. While using a thematic chronology of British Literature to explore some of its many genres, the students will be taught to identify literary elements and devices that are subtly embroidered into the sophisticated tapestry of these literary classics. Students will be required to read a variety of poems and essays, a Shakespearean play, and four or five novels taken from the recommended reading list for high school students. Though certain selections are completed as a class, many are read individually. Exercises on characterization, themes, and plot development will be done throughout the year. Grammar skills will be practiced on a daily basis. This course requires independent work skills and good study habits because students will be expected to complete extensive reading and writing outside of class. Students will be required to complete a Senior Memory Book, two oral presentations, and two research papers throughout the year.

**CLASS: COLLEGE COMPOSITION I\*\*****GRADE LEVEL: 12, .025 Weighted****PREREQUISITES: 3.0 GPA (No ACT scores required); If student has a 2.8/2.9 GPA must have an ACT English and Reading Score of 18 OR Accuplacer Writing 92+ and Accuplacer Reading 85+****.5 CREDIT (Semester 1)***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This course is an alternative to 12<sup>TH</sup> English. The course offers the high school senior, who has qualified, dual credit for both De Soto High and Jefferson College. The course emphasizes the study of persuasive, narrative, descriptive, and expository writing. Supplementary study and testing cover grammar, mechanics, punctuation, and word usage. Composition skills require drafting, revising, editing, and proofreading. A term paper is a course requirement. A teacher assigned summer reading will be required. **Dual enrollment class for 3 credit hours of Jefferson College credit will be issued with a passing grade.**

**CAREER PATH CODES**

AC= Arts & Communication  
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NRA= Natural Resources/Agriculture

**CLASS: COLLEGE COMPOSITION II\*\***

**GRADE LEVEL: 12, .025 Weighted**

**PREREQUISITES: 3.0 GPA (No ACT scores required), College Composition I (C or above); If student has a 2.8/2.9 GPA must have an ACT English and Reading Score of 18 OR Accuplacer Writing 92+ and Accuplacer Reading 85+**

**.5 CREDIT (Semester 2)**

*CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This course is a continuation of College Composition I. In addition, College Composition II uses supplementary reading as the basis for much of the writing. Students will be required to complete a Senior Memory Book.  
**Dual enrollment class for 3 credit hours of Jefferson College credit will be issued with a passing grade.**

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## SOCIAL STUDIES

Course Title	Prerequisite	Grade Level	Sem/Year
World History	None	9	Year
Advanced World History	Placement Test	9	Year
American History	World History	10	Year
Honors American History	World History (A- or above) or Advanced World History (B or above)	10	Year
American Government	American History	11	Year
Advanced American Government	American History (A- or above) or Honors American History (B or above)	11	Year
Contemporary History	None	12	Year
Modern Military History	None	11,12	Semester
Sociology	None	11,12	Year
Psychology	None	11,12	Semester
Psychology II	Psychology (C or above)	11,12	Semester
College American History I	See Description	12	1 <sup>ST</sup> Semester
College American History II	See Description	12	2 <sup>ND</sup> Semester

**\*\*Denotes class that is NCAA approved.**

**CLASS: WORLD HISTORY\*\***

**GRADE LEVEL: 9**

**PREREQUISITES: None**

**1 CREDIT**

**CAREER PATHWAY CODE: HUS**

**COURSE DESCRIPTION:** This required course presents a chronological narrative of World History from the Renaissance and Reformation to the present. Through study of World History, one will become familiar with the varied experiences of people throughout that period of history. He or she will learn about the political, social, and economic development that has created the present world. As one studies the past, the individual will begin to better understand the challenges of the present and the major issues of the future.

**CLASS: ADVANCED WORLD HISTORY\*\***

**GRADE LEVEL: 9**

**PREREQUISITES: Placement test given in 8<sup>TH</sup> grade determines eligibility**

**1 CREDIT**

**CAREER PATHWAY CODE: HUS**

**COURSE DESCRIPTION:** This course presents a chronological narrative of World History from the Renaissance and Reformation to the present. This advanced World History course will take a look into various subject matter utilizing individual reading, in depth discussion, research based analysis and writing that will dig deeper into the various topics covered. Assignments and exams will often be more analysis based allowing students to use their research and understanding to be shared through written expression. Through the study of World History, one will become familiar with the varied experiences of people from the Renaissance and Reformation period to present. He or she will learn about the political, social, and economic development that has created the present world. As one studies the past, the individual will begin to better understand the challenges of the present and the major issues of the future.

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**CLASS: AMERICAN HISTORY\*\*****GRADE LEVEL: 10****PREREQUISITES: World History****1 CREDIT***CAREER PATHWAY CODE: HUS*

**COURSE DESCRIPTION:** This required course is a survey of American History from Reconstruction through the present. It is designed to give the student a background of factual information and an understanding of major ideas in American political, economic, and social history. Major emphasis is placed on American geography. The ultimate goal of the class is to prepare students to be informed citizens, capable of participating in modern American society.

**CLASS: HONORS AMERICAN HISTORY\*\*****GRADE LEVEL: 10, .025 Weighted****PREREQUISITES: World History (A- or above) or Advanced World History (B or above)****1 CREDIT***CAREER PATHWAY CODE: HUS*

**COURSE DESCRIPTION:** This alternative course to American History is similar to the 10<sup>TH</sup> grade American History course but is designed for the honor student who wants to feel challenged in social studies. This course is designed to help students prepare for college work. Although the same material is covered as in the regular American History course, the pace is faster and higher order thinking skills are used. Literature is integrated into the historical units covered in class throughout the school year

**CLASS: AMERICAN GOVERNMENT\*\*****GRADE LEVEL: 11****PREREQUISITES: American History****1 CREDIT***CAREER PATHWAY CODE: HUS*

**COURSE DESCRIPTION:** In this required course, students will examine the principles of American Government. Emphasis of the course is on the foundations of U.S. Government, the U.S. Constitution and the U.S. Bill of Rights. This course explores topics including the rights and responsibilities of U.S. citizenship, the three branches of government, checks and balances, elections and voting, and comparative government. This course includes the following Missouri graduation requirements: United States Constitution Exam and the State Constitution Exam. End-of-Course (EOC) Exam administered upon successful completion of course.

**CLASS: ADVANCED AMERICAN GOVERNMENT\*\*****GRADE LEVEL: 11****PREREQUISITES: American History (A- or above) or Honors American History (A or above)****1 CREDIT***CAREER PATHWAY CODE: HUS*

This course of study is similar to the 11<sup>TH</sup> grade American Government course but is designed for the highly-motivated student who wants to prepare for college level work. Advanced American Government will challenge students to use higher level thinking skills. Historical and contemporary readings, simulations, projects, and class discussions are embedded in the curriculum with an emphasis on critical thinking and problem solving. This course includes the following Missouri graduation requirements: United States Constitution Exam, Missouri State Constitution Exam, and the Government End of Course Exam.

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**CLASS: CONTEMPORARY HISTORY\*\*****GRADE LEVEL: 12****PREREQUISITES: None****1 CREDIT***CAREER PATHWAY CODE: HUS*

**COURSE DESCRIPTION:** This course is designed to broaden the knowledge of the student and to develop his or her interest in many varied problems and issues confronting people today. No attempt is made to provide exacting solutions but healthy discussions usually result in more intelligent attitudes and opinions. Topics discussed will include economic, social, political, and international issues. *USA Today and CNN Student News are used as classroom aids.*

**CLASS: MODERN AMERICAN MILITARY HISTORY\*\*****GRADE LEVEL: 11 or 12****PREREQUISITES: None****.5 CREDIT***CAREER PATHWAY CODE: HUS*

**COURSE DESCRIPTION:** American Military History is a survey course on American conflicts from the Spanish American to the War on Terrorism. Emphasis will be on American foreign policy and military strategy.

**CLASS: SOCIOLOGY\*\*****GRADE LEVEL: 11 or 12****PREREQUISITES: None****1 CREDIT***CAREER PATHWAY CODE: HUS*

**COURSE DESCRIPTION:** Sociology is the study of human social groups, the processes of their organization, the standards and regulations established for continual orderly development, and their patterns of behavior. It is concerned with the cultural development of groups, language, political organization, economic and social activities and geographical, biological, and the radical influences on those cultures. It also deals with the various domestic, political, economic, educational, and religious instructions devised by man to make his life more satisfying and productive.

**CLASS: PSYCHOLOGY\*\*****GRADE LEVEL: 11 or 12****PREREQUISITES: None****.5 CREDIT***CAREER PATHWAY CODE: HLS, HUS*

**COURSE DESCRIPTION:** General Psychology is the study of the mind, the body, and how they work together to create who we are as people. It is a basic survey of behavioral principles. This course covers core concepts in psychology beginning with a basic introduction to psychology: What is psychology? Why do we study psychology? What are some important trends in the field of psychology? Other topics to be studied include psychological methods-research put into practice; the working of the body and mind-psychology and the brain; sensations and perceptions-psychology of the body; and consciousness-various altered states of consciousness. We will end the semester with a unit on learning-how learning occurs? We will do a variety of fun and interesting activities such as creative projects, group work, notes, discussions, current events, and videos. We will conduct a variety of hands-on projects such as building models of neurons, creating a play-doh model of the parts of the brain, and studying the various functions of the four lobes of the brain. Projects include a sleep and dream analysis study, meditation study and addiction study. A variety of assessments will be used throughout the semester: binders, quizzes, projects, classroom participation, and exams will be used to check for your understanding. Our hope is for you to leave this class with a strong foundation of knowledge on human behavior and development and an interest to keep learning about them in the future.

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**CLASS: PSYCHOLOGY II\*\*****GRADE LEVEL: 11 or 12****PREREQUISITES: Psychology (C or above)****.5 CREDIT****CAREER PATHWAY CODE: HLS, HUS**

**COURSE DESCRIPTION:** Psychology II will analyze the topics of memory, thinking, language, intelligence, creativity, motivation, emotion, psychological testing, personality examination, stress and mental health, psychological disorders and treatment. We will analyze what is normal. In addition, we will examine historical and contemporary treatment of mental illness. We will conduct mini units on autism and the dissociative identity disorder. Students will create a memory project, a creativity project and an "Ideal Teacher" Project. We will do a variety of fun and interesting activities. A variety of methods are used in psychology to actively engage students in the learning process and to promote both their intellectual and psychological development. These include lectures, class discussions, and current research in psychology, class experiments and demonstrations, working in groups, case study analysis, and audiovisual presentations. Class time is divided between lecture, films, discussions, experiments, and demonstrations.

**CLASS: COLLEGE AMERICAN HISTORY I\*\*****GRADE LEVEL: 12, .025 Weighted****PREREQUISITES: 3.0 GPA (No ACT scores required); If student has a 2.8/2.9 GPA must have an ACT Reading score of 18****OR Accuplacer Reading 85+****.5 CREDIT (Semester 1)****CAREER PATHWAY CODE: HUS**

**COURSE DESCRIPTION:** American History is a general study of the history of the United States designed to help the student understand and function in this society. This course is a high paced and fast moving course. The course begins with the founding of our nation and continues to the present. **Dual enrollment for 3 credit hours of Jefferson College credit will be issued with a passing grade.**

**CLASS: COLLEGE AMERICAN HISTORY II\*\*****GRADE LEVEL: 12, .025 Weighted****PREREQUISITES: 3.0 GPA (No ACT scores required), College American History I (C or above); If student has a 2.8/2.9 GPA must have an ACT Reading score of 18 OR Accuplacer Reading 85+****.5 CREDIT (Semester 2)****CAREER PATHWAY CODE: HUS**

**COURSE DESCRIPTION:** This is the follow-up semester to College American History I. American History is a general study of the history of the United States designed to help the student understand and function in this society. This course is a high paced fast moving course. The course begins with the founding of our nation and continues to the present. **Dual enrollment for 3 credit hours of Jefferson College credit will be issued with a passing grade.**

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## SCIENCE

Course Title	Prerequisite	Grade Level	Sem/Year
Physics First	None	9	Year
General Chemistry	Physics First	10	Year
Advanced General Chemistry	Algebra I (C or above)	10	Year
Biology	General Chemistry	11	Year
Athletic Injuries and Orthopedic Assessment	Biology (C or above) or Current Enrollment in Biology	11, 12	Semester
Botany	Biology (C or above) or Current Enrollment in Biology	11, 12	Semester
Zoology	Biology (C or above) or Current Enrollment in Biology	11, 12	Semester
College Chemistry	See Description	12	Year
Honors Anatomy and Physiology	Biology (C or above) and Chemistry (C or above)	12	Year
Physics	Trig (C or above) or Current Enrollment in Trig	11, 12	Year

**\*\* Denotes class that is NCAA approved.**

**CLASS: PHYSICS FIRST\*\***

**GRADE LEVEL: 9**

**PREREQUISITES: None**

**1 CREDIT**

*CAREER PATHWAY CODE: HLS, NRA*

**COURSE DESCRIPTION:** In this required course, students will study the physical world and how it works. Through discussion, research, and lab, students will explore ideas such as energy, electricity, motion, and force, and how these key ideas are represented in real world situations. Students will then be asked to apply their knowledge in this area such as rocket building, roller coaster building, mousetrap cars, towers, helicopters, and other projects throughout the year.

**CLASS: GENERAL CHEMISTRY\*\***

**GRADE LEVEL: 10**

**PREREQUISITES: Physics First**

**1 CREDIT**

*CAREER PATHWAY CODE: HLS, NRA*

**COURSE DESCRIPTION:** This required course is the study of matter and its properties. Students will focus on properties of matter, interactions of matter, and various states of matter, and their associated scientific laws. Emphasis will include a study of atomic structure, classification of matter, the periodic table, bond formation, molecular structure, and related mathematical concepts. The course is structured to include informational instructional, cooperative learning, guided and independent practice, and hands-on laboratory investigation. Emphasis is placed on inquiry skills involving formal reasoning, laboratory technique, verbal, mathematical and written communication.

**CLASS: ADVANCED GENERAL CHEMISTRY\*\***

**GRADE LEVEL: 10**

**PREREQUISITES: Algebra 1 (C or above)**

**1 CREDIT**

*CAREER PATHWAY CODE: HLS, NRA*

**COURSE DESCRIPTION:** This alternative course to General Chemistry will cover the same topics as General Chemistry. In addition, Advanced Chemistry will develop concepts concerning reaction rate and chemical equilibrium; acids, bases, and salt solutions of electrolytes oxidation-reduction reactions and nuclear chemistry. There will also be more emphasis on the technological applications of chemistry in today's society.

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**CLASS: BIOLOGY\*\*****GRADE LEVEL: 11****PREREQUISITES: General Chemistry****1 CREDIT***CAREER PATHWAY CODE: HLS, NRA*

**COURSE DESCRIPTION:** This required course will focus on the diversity of life and the interrelationships of all organisms with special emphasis on man's place in nature. Students will examine current problems such as pollution, overpopulation, energy sources, and endangered species. The course is taught utilizing inquiry and investigative skills including work with microscope and dissection. End-of-Course (EOC) Exam administered upon successful completion of course.

**CLASS: ATHLETIC INJURIES & ORTHOPEDIC ASSESSMENT****GRADE LEVEL: 11 or 12****PREREQUISITES: Biology (C or above) or Current Enrollment in Biology****.5 CREDIT***CAREER PATHWAY CODE: HLS*

**COURSE DESCRIPTION:** This course will take an in-depth look at orthopedic anatomy, athletic injuries and how to make assessments, treat and rehabilitate athletic injuries. The course will mostly focus on the joints (ankle, knee, shoulder, etc.) of the body because this is where the majority of injuries in athletics occur. This course will be extremely helpful for students interested in going to college and pursuing a career as an Athletic Trainer, Coach, Physical Therapist, Orthopedic Surgeon, and many other medical professions.

**CLASS: BOTANY\*\*****GRADE LEVEL: 11 or 12****PREREQUISITES: Biology (C or above) or Current Enrollment in Biology****.5 CREDIT***CAREER PATHWAY CODE: NRA*

**COURSE DESCRIPTION:** Students in Botany will focus on the structure, function, characteristics, life processes, diversity, reproduction/heredity, adaptation/evolution, and ecology as it relates to plant life. Coursework includes numerous laboratory investigations including an in-depth look at the photosynthetic reaction, along with structure and function of the roots, leaves, and stems.

**CLASS: ZOOLOGY\*\*****GRADE LEVEL: 11 or 12****PREREQUISITES: Biology (C or above) or Current Enrollment in Biology****.5 CREDIT***CAREER PATHWAY CODE: NRA*

**COURSE DESCRIPTION:** Students in zoology will focus on the structure, function, characteristics, life processes, diversity, reproduction/evolution, and ecology as it relates to animal life. Coursework includes field studies, numerous laboratory investigations, and comparison of animal forms through dissection and classification of animals.

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AC= Arts & Communication  
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HLS= Health Services  
NRA= Natural Resources/Agriculture

**CLASS: COLLEGE CHEMISTRY\*\*****GRADE LEVEL: 12, .025 Weighted****PREREQUISITES: 3.0 GPA (No ACT scores required), General Chemistry (C or above), Algebra I (B+ or above); If student has a 2.8/2.9 GPA must have an ACT Reading score of 18 OR Accuplacer Reading 85+.****1 CREDIT***CAREER PATHWAY CODE: HLS, NRA*

**COURSE DESCRIPTION:** This is a comprehensive introductory chemistry course. Candidates for College Chemistry should be accomplished math and science students who are prepared for a fast-paced, intensive science course. Major topics include atomic structure, periodicity and bonding; names formulas, and reactions of chemical substances; the mole concept, including extensive stoichiometry, thermochemistry, aqueous solutions, kinetic theory, gas behavior, solution chemistry, and acid-base chemistry, and other topics as time permits. Summer review homework is assigned. **Dual enrollment class for 5 credit hours of Jefferson College credit with a passing grade.**

**CLASS: HONORS ANATOMY AND PHYSIOLOGY\*\*****GRADE LEVEL: 12, .025 Weighted****PREREQUISITES: Biology (C or above) and Chemistry (C or above)****1 CREDIT***CAREER PATHWAY CODE: HLS, HUS*

**COURSE DESCRIPTION:** This course is the study of the human body structure and function. The course is designed to provide a foundation and background for students interested in health-oriented/medical fields and in studying the tissues, organs, and systems of the human body.

**CLASS: PHYSICS\*\*****GRADE LEVEL: 11 or 12****PREREQUISITES: Trig (C or above) or Current Enrollment in Trig****1 CREDIT***CAREER PATHWAY CODE: HLS, NRA*

**COURSE DESCRIPTION:** Physics is the study of matter and energy and their interactions in the physical world. The course is math oriented utilizing algebra and trigonometry skills. Students will focus on the concepts of mechanics of motion and energy. Emphasis will include a study of motion in a straight line, projectile motion, harmonic motion, dynamics, momentum, wave motion, acoustics, electricity, gravitation, work, and power.

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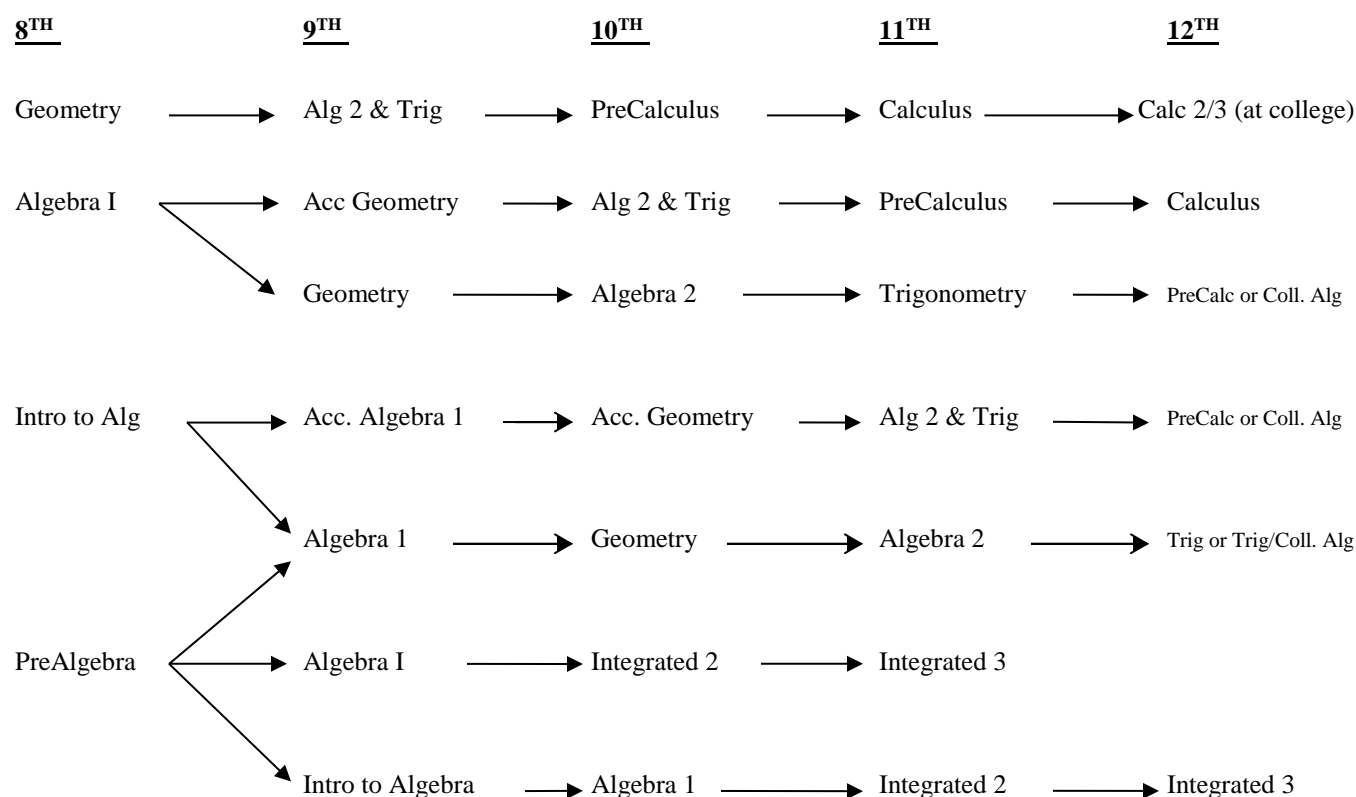
HLS= Health Services  
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# MATH

Course Title	Prerequisite	Grade Level	Sem/Year
Introduction to Algebra	See Description	9	Year
Algebra I	None	N/A	Year
Algebra I Concepts	See Description	N/A	2 <sup>ND</sup> Semester
Accelerated Algebra I	See Description	9	Year
Geometry	Algebra I (C or above)	N/A	Year
Accelerated Geometry	See Description	9, 10	Year
Algebra II	See Description	N/A	Year
Trigonometry	Algebra II (C or above)	N/A	1 <sup>ST</sup> Semester/Year
Algebra II and Trigonometry	See Description	N/A	Year
Integrated II	See Description	N/A	Year
Integrated III	See Description	11, 12	Year
Pre-calculus	Trig or Algebra II and Trig (C or above)	10, 11, 12	Year
College Algebra	See Description	11, 12	Semester
College Calculus	See Description	11, 12	Year

**\*\* Denotes class that is NCAA approved.**

## Math Flow Chart



### CAREER PATH CODES

AC= Arts & Communication  
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**CLASS: INTRODUCTION TO ALGEBRA****GRADE LEVEL: 9****PREREQUISITES: Placement test scores, grades in previous math classes, MAP test results and teacher recommendation**  
**1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** Introduction to Algebra is a course designed for freshman students who have tested below grade level in math and not yet ready for Algebra I. This class exposes students to algebraic concepts and prepares them to be more successful in Algebra I the following year.

**CLASS: ALGEBRA I\*\*****GRADE LEVEL: N/A****PREREQUISITES: None****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This course covers topics typically treated in a first-year Algebra course. Topics include, but not limited to, examination of basic algebra foundations, functions, solving equations and inequalities, linear and quadratic equations, polynomials, rational and radical expressions, systems of equations/inequalities, absolute value equations, and probability/data analysis. End-of-Course (EOC) Exam administered upon successful completion of course. **Minimum requirement for graduation.**

**CLASS: ALGEBRA I CONCEPTS****GRADE LEVEL: N/A****PREREQUISITES: Grade of "F" in 1<sup>ST</sup> semester of Algebra I****.5 CREDIT (Semester 2)***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTIONS:** This course is offered 2<sup>ND</sup> semester only for those students who were unsuccessful in first semester Algebra I. This course covers topics in the first semester of Algebra I. Topics included, but not limited to, examination of basic algebra foundations, solving equations and inequalities, linear equations, systems of equations/inequalities and absolute value equations. **This course is graded on a Pass/Fail system.**

**CLASS: ACCELERATED ALGEBRA I\*\*****GRADE LEVEL: 9****PREREQUISITES: Placement test scores, grades in previous math classes, MAP test results and teacher recommendation**  
**1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This course covers topics that are found in a typical high school Algebra I course with more emphasis on higher depths of knowledge. Students will have already mastered basic fundamentals of algebra which will allow faster pacing, as well as more in-depth application of algebraic principles. End-of-Course (EOC) Exam administered upon successful completion of course.

**CAREER PATH CODES**AC= Arts & Communication  
HUS= Human ServicesBMT= Business Management/Technology  
IET= Industrial/Engineering TechnologyHLS= Health Services  
NRA= Natural Resources/Agriculture

**CLASS: GEOMETRY\*\*****GRADE LEVEL: N/A****PREREQUISITES: Algebra I (C or above)****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This course will emphasize calculating and applying postulates and theorems to find measurements of length, circumference, area, and volume. Major topics covered in this course will include: Geometry foundations, constructions, coordinate geometry, polygon congruence and similarity, quadrilaterals, right triangles, and trigonometry, circles, solids, and transformations. This course will also introduce logic and reasoning to create basic proofs.

**CLASS: ACCELERATED GEOMETRY\*\*****GRADE LEVEL: 9, 10****PREREQUISITES: Accelerated Algebra I or 8<sup>TH</sup> grade Algebra I (B or above) or Algebra I with a teacher recommendation****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** This course will emphasize calculating and applying postulates and theorems to find measurements of length, circumference, area, and volume. Major topics covered in this course will include: Geometry foundations, constructions, coordinate geometry, polygon congruence and similarity, quadrilaterals, right triangles, and trigonometry, circles, solids, and transformations. This course will also examine logic and reasoning with heavy emphasis on proofs and application of higher levels of algebra.

**CLASS: ALGEBRA II\*\*****GRADE LEVEL: N/A****PREREQUISITES: Completion of Geometry or dual enrollment in Geometry with teacher's permission or 8<sup>TH</sup> grade Algebra I (C or above)****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** Algebra II consists of a comprehensive review and expansion of the topics discussed in Algebra I and a thorough treatment of logarithmic and exponential functions, the solutions to higher degree equations, and an introduction to probability and statistics. Two of the major goals of the course are to prepare students for the ACT exam and College Algebra.

**CLASS: TRIGONOMETRY\*\*****GRADE LEVEL: N/A****PREREQUISITES: Algebra II (C or above)****.5 or 1.0 CREDIT***CAREER PATHWAY CODE: HLS, IET*

**COURSE DESCRIPTION:** This course is made up of topics from algebra, geometry, trigonometry, discrete mathematics and mathematical analysis interwoven to form a fully integrated text. A rigorous treatment of Euclidean geometry is also presented. Time is spent developing geometric concepts and writing proofs. Word problems are developed throughout the problem sets and become progressively more elaborate. With this practice, students will be able to solve challenging problems such as rate problems and work problems involving abstract quantities. The graphing calculator is used to graph functions and perform data analysis. Conceptual-oriented problems that prepare students for college entrance exams (such as the ACT and SAT) are included in the problem sets. Other topics include: permutations, fundamental counting principle, logarithms and geometric constructions.

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NRA= Natural Resources/Agriculture

**CLASS: ALGEBRA II AND TRIGONOMETRY\*\*****GRADE LEVEL: N/A****PREREQUISITES: Algebra I AND Geometry (B or above) or dual enrollment in Geometry with teacher recommendation.****1 CREDIT***CAREER PATHWAY CODE: HLS, IET*

**COURSE DESCRIPTION:** This course consists of a comprehensive review and expansion of the topics discussed in Algebra I and a thorough treatment of logarithmic and exponential functions, solutions to higher ordered equations, matrix algebra, conic sections, sequences and series, as well as trigonometric functions, identities, and equations. Two of the major goals of this course are to prepare students for College Algebra and Pre-Calculus.

**CLASS: INTEGRATED II\*\*****GRADE LEVEL: N/A****PREREQUISITES: Algebra I with Teacher Recommendation****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** Integrated II is an integrated mathematics course structured around the strands of number and operations, algebraic relationships, geometric and spatial relationships, measurements, and data and probability. Algebra I End-of-Course (EOC) Exam administered upon successful completion of course.

**CLASS: INTEGRATED III\*\*****GRADE LEVEL: 11, 12****PREREQUISITES: Integrated II or Geometry with Teacher Recommendation****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** Integrated III is an integrated mathematics course structured around the strands of number and operations, algebraic relationships, geometric and spatial relationships, measurements, and data and probability. Major topics will include both algebraic concepts (quadratic functions and relations, and exponential and logarithmic functions and relations) as well as geometric concepts (reasoning and proof, congruent and similar triangles, and circles).

**CLASS: PRECALCULUS\*\*****GRADE LEVEL: 10, 11 or 12****PREREQUISITES: Trigonometry or Algebra II and Trigonometry (C or above)****1 CREDIT***CAREER PATHWAY CODE: HLS, IET*

**COURSE DESCRIPTION:** This course is a bridge between secondary and college mathematics. Advanced algebra and trigonometric concepts are reviewed and extended. The graphing calculator is used to graph functions and perform data analysis. Topics include: trigonometric identities, trigonometric functions including inverse functions, graphing and translations, De Moivre's Theorem, sequences and series, matrices, polynomial functions, rational roots theorem, conics, and logarithmic inequalities.

**CAREER PATH CODES**

AC= Arts & Communication  
HUS= Human Services

BMT= Business Management/Technology  
IET= Industrial/Engineering Technology

HLS= Health Services  
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**CLASS: COLLEGE ALGEBRA\*\*****GRADE LEVEL: 11 or 12, .025 Weighted****PREREQUISITES: 3.0 GPA (No ACT scores required), Trigonometry (C or Above); If student has a 2.8/2.9 GPA must have an ACT Reading score of 18 and math score of 22 OR Accuplacer score. Note: If student has not achieved the necessary GPA/ACT/Accuplacer score, then it is recommended the student stay in a year-long math course (i.e. Trigonometry or Precalculus).****.5 CREDIT****CAREER PATHWAY CODE: BMT, HLS, HUS, IET**

**COURSE DESCRIPTION:** College Algebra explores several non-sequential algebraic topics within the realms of both the real number system and the complex number system. The study of functions covers linear, quadratic, polynomial, rational, exponential, and logarithmic. In addition, problems involving application, graphs, and modeling are explored, including inequalities. Systems of equations include but are not limited to linear systems of 2 and 3 variables, matrices and matrix operations. **Dual enrollment class for 3 credit hours of Jefferson College credit with a passing grade.**

**CLASS: COLLEGE CALCULUS 1\*\*****GRADE LEVEL: 11, 12, .025 Weighted****PREREQUISITES: 3.0 GPA, Pre-Calculus (C or above); If student has a 2.8/2.9 GPA must have an ACT 27 in Math & 18 in Reading OR qualifying Accuplacer score. \*Subject to change per Jefferson College.****1 CREDIT****CAREER PATHWAY CODE: HLS, IET**

**COURSE DESCRIPTION:** Calculus 1 is an introduction to differential and integral calculus of one variable. Calculus 1 covers limits, continuity, differentiation, and integration. The study of differentiation covers exponential functions, trigonometric functions, rational functions, and the chain rule. Also included in this course are applications of differentiation including velocity, acceleration, maxima, minima, and optimization problems. Applications of integration include area and volume of revolution. **Dual enrollment class for 5 credit hours of Jefferson College credit with a passing grade. If you meet the GPA requirements for this course but not the ACT or Accuplacer score, you may take this course for high school credit only; college credit will not be issued.**

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## FOREIGN LANGUAGE

Course Title	Prerequisite	Grade Level	Sem/Year
French I	None	9, 10, 11, 12	Year
French II	French I (C or above)	10, 11, 12	Year
French III	French II (C or above)	11, 12	Year
French IV	French III (C or above)	12	Year
Spanish I	None	9, 10, 11, 12	Year
Spanish II	Spanish I (C or above)	10, 11, 12	Year
Spanish III	Spanish II (C or above)	11, 12	Year
Spanish IV	Spanish III (C or above)	12	Year

**\*\* Denotes class that is NCAA approved.**

**CLASS: FRENCH I\*\***

**GRADE LEVEL: 9-12**

**PREREQUISITES: None**

**1 CREDIT**

*CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** An introductory course designed to help students (1) develop fundamental skills in hearing, speaking, reading, and writing French, gaining insight into the basic components of language and communication and (2) acquire some knowledge of French-speaking cultures through the textbook and supplementary material.

**CLASS: FRENCH II\*\***

**GRADE LEVEL: 10-12**

**PREREQUISITES: French I (C or above)**

**1 CREDIT**

*CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** An intermediate course designed to help students (1) develop further skills in hearing, speaking, reading, and writing French, gaining insight into the basic components of language and communication and (2) acquire additional knowledge of French-speaking culture and history through the textbook and supplementary materials.

**CLASS: FRENCH III\*\***

**GRADE LEVEL: 11 or 12**

**PREREQUISITES: French II (C or above)**

**1 CREDIT**

*CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** An advanced course consisting of a complete review of basic vocabulary and grammatical structures, plus an introduction to French literature and art.

**CLASS: FRENCH IV\*\***

**GRADE LEVEL: 12**

**PREREQUISITES: French III (C or above)**

**1 CREDIT**

*CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** An advanced course consisting of a complete review of basic grammar, introduction of advanced grammar, advanced reading, and advanced writing skills.

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**CLASS: SPANISH I\*\*****GRADE LEVEL: 9-12****PREREQUISITES: None****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** An introductory course designed to help students (1) develop fundamental skills in listening, speaking, reading, and writing Spanish, gaining insight into the basic components of language and communication and (2) acquire knowledge of Spanish-speaking cultures and perspectives.

**CLASS: SPANISH II\*\*****GRADE LEVEL: 10-12****PREREQUISITES: Spanish I (C or above)****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** An introductory course designed to help students (1) develop further skills in hearing, speaking, reading, and writing Spanish, gaining insight into the basic components of language and communication and (2) acquire additional knowledge of Spanish-speaking cultures through the textbook and supplementary material.

**CLASS: SPANISH III\*\*****GRADE LEVEL: 9-12****PREREQUISITES: Spanish II (C or above)****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** An advanced course consisting of a complete review of basic vocabulary and grammatical structures, plus an introduction to Spanish literature and art.

**CLASS: SPANISH IV\*\*****GRADE LEVEL: 12****PREREQUISITES: Spanish III (C or above)****1 CREDIT***CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** An advanced course consisting of complete review of basic grammar, introduction of advanced grammar, advanced reading, and advanced writing skills.

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# BUSINESS

## (Practical Arts)

Course Title	Prerequisite	Grade Level	Sem/Year
Computer Applications	None	9, 10, 11, 12	Semester
Multimedia	Computer Applications	9, 10, 11, 12	Semester
Graphic Arts	Multimedia (C or above)	10, 11, 12	Semester
Programming-C++	Algebra I (C or above)	11, 12	Semester
Programming-JAVA	Algebra I (C or above)	11, 12	Semester
Website Development	Computer Applications	10, 11, 12	Semester
Website Development II	Website Development (C or above) and teacher recommendation	10, 11, 12	Semester
Chromeland Support- Network Administration	Application	10, 11, 12	Year
Personal Finance	None	10, 11, 12	Semester
Business Law	None	10, 11, 12	Semester
Accounting I	None	10, 11, 12	Year
Accounting II	Accounting I (C or above)	11, 12	Year
Business Management	None	10, 11, 12	Semester
CCE	Application	12	Year
CCE Supervision	Application	12	Year

### CLASS: COMPUTER APPLICATIONS

**GRADE LEVEL: 9-12**

**PREREQUISITES: None**

**.5 CREDIT**

*CAREER PATHWAY CODE: AC, BMT, HLS, HUS, IET, NRA*

**COURSE DESCRIPTION:** After completing this course, students will be able to understand the basic principles of Microsoft Word, Excel, PowerPoint, and Access.

### CLASS: MULTIMEDIA

**GRADE LEVEL: 9-12**

**PREREQUISITES: Computer Applications**

**.5 CREDIT**

*CAREER PATHWAY CODE: AC, BMT*

**COURSE DESCRIPTION:** Students will work with a variety of 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.

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**CLASS: GRAPHIC ARTS****GRADE LEVEL: 10-12****PREREQUISITES: Multimedia (C or above)****.5 CREDIT***CAREER PATHWAY CODE: AC, BMT*

**COURSE DESCRIPTION:** Students develop proficiency in using graphic arts/desktop publishing software to create a variety of business and personal publications such as flyers, brochures, newsletters, invitations, etc. Students will use Word, Photoshop, Publisher, and other publishing software to create materials.

**CLASS: PROGRAMMING-C++****GRADE LEVEL: 11-12****PREREQUISITES: Algebra I (C or above)****.5 CREDIT***CAREER PATHWAY CODE: BMT*

**COURSE DESCRIPTION:** Students will be introduced to the programming language C++. They will learn how to design the program interface and code the application. While coding they will gain an understanding of variables and constants, calculations, and decisions and conditions.

**CLASS: PROGRAMMING-JAVA****GRADE LEVEL: 11-12****PREREQUISITES: Algebra I (C or above)****.5 CREDIT***CAREER PATHWAY CODE: BMT*

**COURSE DESCRIPTION:** Students will be introduced to the programming language JAVA. They will learn how to design the program interface and code the application. While coding they will gain an understanding of variables and constants, calculations, and decisions and conditions.

**CLASS: WEBSITE DEVELOPMENT****GRADE LEVEL: 10-12****PREREQUISITES: Computer Applications (Multimedia recommended)****.5 CREDIT***CAREER PATHWAY CODE: AC, BMT*

**COURSE DESCRIPTION:** Students will design websites using HTML5 and CSS code. They will be introduced to the setup and functions of a website and will also create their own website using basic tags, links, and graphics. Students will also be introduced to designing webpages using Dreamweaver software.

**CLASS: WEBSITE DEVELOPMENT II****GRADE LEVEL: 10-12****PREREQUISITES: Website Development (C or above) and Teacher Recommendation****.5 CREDIT (Semester 2)***CAREER PATHWAY CODE: AC, BMT*

**COURSE DESCRIPTION:** Students will expand their skills from Website by using software to enhance their web pages (Dreamweaver, Photoshop, etc.) as well as learn new tags for Cascading Style Sheets or other advanced features of HTML. Students will also be introduced to JavaScript, JAVA, and jQuery to enhance their webpages.

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**CLASS: CHROMELAND SUPPORT-NETWORK ADMINISTRATION****GRADE LEVEL: 10-12****PREREQUISITES: Application****1.0 CREDIT***CAREER PATHWAY CODE: AC, BMT*

**COURSE DESCRIPTION:** This course is for self-motivated students who are willing and able to work independently and as a group. Students will experience hands-on study of technology integration, hardware and software installation, troubleshooting and repair, customer service and effective communication (emails, tutorials, video, and newsletters), problem solving strategies, teamwork, and the ability to research, analyze and apply industry best practices in a Google environment. Students will also complete coursework through TestOut in PC Pro (1<sup>st</sup> yr) and Network Pro (2<sup>nd</sup> yr). After the completion of the coursework each year, students can test to receive a CompTIA Approved certificate.

**CLASS: PERSONAL FINANCE****GRADE LEVEL: 10-12****PREREQUISITES: None****.5 CREDIT***CAREER PATHWAY CODE: BMT*

**COURSE DESCRIPTION:** Subjects discussed during this course include: financial planning, banking and their services, money management, checking and savings accounts, credit cards, taxes, health insurance, saving and investing, business ethics, consumer purchasing and protection, career interests and opportunities. **This class meets the state requirements for graduation.**

**CLASS: BUSINESS LAW****GRADE LEVEL: 10-12****PREREQUISITES: None****.5 CREDIT***CAREER PATHWAY CODE: BMT*

**COURSE DESCRIPTION:** Business Law introduces students to the legal system. Instruction focuses on consumer law, rights and responsibilities of adults and minors, criminal law, tort law, and contracts.

**CLASS: ACCOUNTING I****GRADE LEVEL: 10-12****PREREQUISITES: None****1 CREDIT***CAREER PATHWAY CODE: BMT*

**COURSE DESCRIPTION:** This class is designed to build a basic understanding of manual and automated accounting principles, concepts, and procedures. Activities include the accounting equation, the accounting cycle, entering transactions in journals, posting to ledgers, preparing end-of-period statements and reports, payroll systems, banking activities, taxes, and other related topics.

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**CLASS: ACCOUNTING II****GRADE LEVEL: 11-12****PREREQUISITES: Accounting I (C or above)****1 CREDIT***CAREER PATHWAY CODE: BMT*

**COURSE DESCRIPTION:** Accounting II provides a thorough, in depth knowledge of manual and automated accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will develop skills in analyzing and interpreting information common to partnerships and corporate forms of organization, preparing formal statements and supporting schedules, and using inventory and budgetary control systems.

**CLASS: BUSINESS MANAGEMENT: SPORTS AND ENTERTAINMENT****GRADE LEVEL: 10-12****PREREQUISITES: None****.5 CREDIT***CAREER PATHWAY CODE: BMT, HUS*

**COURSE DESCRIPTION:** Business Management: Sports and Entertainment is a business survey course covering the major business topics of management, marketing, finance, and economics as related to the field of sports and entertainment.

**CLASS: COOPERATIVE CAREER EDUCATION (CCE)****GRADE LEVEL: 12****PREREQUISITES: Application****1 CREDIT**

**COURSE DESCRIPTION:** Cooperative Career Education is a career and technical education program based on the cooperative education method of instruction. The program serves students with a wide variety of career interests, including careers not traditionally considered "vocational." Academic study is combined with paid, supervised employment in a career area of interest. CCE provides students the opportunity to learn knowledge and skills in the classroom and to apply and test that learning in the workplace. Students develop transferable employability skills and occupational competence which will serve them throughout their continuing education and career.

**CLASS: COOPERATIVE CAREER EDUCATION SUPERVISION****GRADE LEVEL: 12****PREREQUISITES: Enrolled in CCE****1 or 2 CREDITS**

**COURSE DESCRIPTION:** Cooperative Career Education Supervision is the work based component of the CCE program. A student must be employed at least 10 hours per week to receive 1 credit and 20 hours per week to receive 2 credits. Students will perform assigned tasks on the job and assignments from the classroom as part of the program. All hours must be documented and pay must be subject to state and federal taxes.

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# FAMILY AND CONSUMER SCIENCE

## (Practical Arts)

Course Title	Prerequisite	Grade Level	Sem/Year
Foods I	None	9, 10, 11, 12	Semester
International Foods	FACS (C or above) or Foods I (C or above)	9, 10, 11, 12	Semester
Nutrition/Wellness	FACS (C or above) or Foods I (C or above)	10, 11, 12	Semester
Fashion and Apparel	None	9, 10, 11, 12	Semester
Child Development	None	11, 12	Semester
Child Development II	Child Development (C or above)	11, 12	Semester
Family Living	None	9, 10, 11, 12	Semester
Housing and Interior Design	Art I (C or above) or FACS (C or above)	11, 12	Semester
Family and Careers	FACS (C or above)	10, 11, 12	Semester

### CLASS: FOODS I

**GRADE LEVEL: 9-12**

**PREREQUISITES: None**

**.5 CREDIT**

*CAREER PATHWAY CODE: HLS, HUS*

**COURSE DESCRIPTION:** Emphasis in this class will be for students to master food safety procedures and cooking techniques. Students will learn basic cooking skills to be able to live independently after high school. This course will help students gain employability skills by having the students research careers in the culinary field, participate in cooking labs, and learn leadership skills.

### CLASS: INTERNATIONAL FOODS

**GRADE LEVEL 9- 12**

**PREREQUISITES: Family and Consumer Science (C or above) or Foods I (C or above)**

**.5 CREDIT**

*CAREER PATHWAY CODE: HLS, HUS*

**COURSE DESCRIPTION:** Emphasis in this course will be for students to master cooking techniques from different cultures and ethnic groups. This class will teach the students about the influences of culture, society, and environment on food choices. International foods is an extension of Foods I and will help students to continue to learn employability skills by having the students research advanced cooking techniques in the culinary field and learn to cook using these techniques. This course will help students that want to pursue a career in the culinary field.

### CLASS: NUTRITION AND WELLNESS

**GRADE LEVEL: 10-12**

**PREREQUISITES: Family and Consumer Science (C or above) or Foods I (C or above)**

**.5 CREDIT**

*CAREER PATHWAY CODE: HLS, HUS*

**COURSE DESCRIPTION:** A program that prepares individuals to understand the principles of nutrition; the relationship of nutrition to health; and the selection, preparation, and care of food. A diet analysis and a handful of cooking labs are an integral part of this class.

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IET= Industrial/Engineering Technology

HLS= Health Services  
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**CLASS: FASHION AND APPAREL****GRADE LEVEL: 9-12****PREREQUISITES: None****.5 CREDIT***CAREER PATHWAY CODE: HUS, AC*

**COURSE DESCRIPTION:** This is an advanced clothing class. Emphasis is placed on the study of textiles, clothing selection and care, and clothing construction. Students will be creating a minimum of 3 clothing projects. Sewing projects will be an added cost to the student.

**CLASS: CHILD DEVELOPMENT****GRADE LEVEL: 11-12****PREREQUISITES: None****.5 CREDIT***CAREER PATHWAY CODE: HLS, HUS*

**COURSE DESCRIPTION:** A course that covers reproduction, prenatal development, pregnancy, childbirth, infant care, and development of the preschool child. Parenting being a choice and a large responsibility is a major focus of this course. Major assignments include a parenting and pregnancy simulation.

**CLASS: CHILD DEVELOPMENT II****GRADE LEVEL: 11-12****PREREQUISITES: Child Development (C or above)****.5 CREDIT***CAREER PATHWAY CODE: HLS, HUS*

**COURSE DESCRIPTION:** A course available to students interested in the area of early childhood education or elementary education. This course will cover preschool through age 8. Students will lead and develop many hands on activities, create and implement lesson plans, as well as partake in observations. Additional cost may be added for field trips.

**CLASS: FAMILY LIVING****GRADE LEVEL: 9-10****PREREQUISITES: None****.5 CREDIT***CAREER PATHWAY CODE: HUS, HLS*

**COURSE DESCRIPTION:** A course that prepares individuals to understand the nature, function, and significance of the human relationships within the family/individual units. Major assignments include: article reviews, reaction papers, journals and projects which center on the student's personal opinions.

**CLASS: HOUSING AND INTERIOR DESIGN****GRADE LEVEL: 11-12****PREREQUISITES: Art I (C or above) or FACS (C or above)****.5 CREDIT***CAREER PATHWAY CODE: BMT, HLS, HUS, IET*

**COURSE DESCRIPTION:** Course instruction focuses on the basic design elements drawing floor plans and selecting appropriate materials for a home's interior. A minimum of three major projects will be completed. The final will be constructing a project utilizing information learned throughout the class.

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**CLASS: FAMILY AND CAREERS**

**GRADE LEVEL: 10-12**

**PREREQUISITES: FACS (C or above)**

**.5 CREDIT**

*CAREER PATHWAY CODE: BMT, HLS, HUS, IET*

**COURSE DESCRIPTION:** Emphasis in this course will be for students to expand their knowledge in careers, entrepreneurship, and FCCLA. This course will help students develop leadership skills, strengthen personal characteristics, problem solving techniques, improve communication skills, and utilize team-building strategies. Additional costs may be added for the students.

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# ART

## (Fine Arts)

Course Title	Prerequisite	Grade Level	Sem/Year
Art I	None	9, 10, 11, 12	Year
Art II	Art I (C or above)	10, 11, 12	Year
Art III	Art II (B- or above)	11, 12	Year
Art IV	Art III (B or above)	12	Year

**CLASS: ART I****GRADE LEVEL: 9-12****PREREQUISITES: None****1 CREDIT***CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** Art I is a basic one-year survey course which is a prerequisite of the advanced level art classes. The course includes an introduction to art history as it pertains to the various units of study. Activities will focus on hands-on projects in drawing (pencil/charcoal), perspective, various black and white media (pen/ink/scratchboard), color theory, color media (pastels/tempera paint) and clay pottery (pinch pot/clay structures).

**CLASS: ART II****GRADE LEVEL: 10-12****PREREQUISITES: Art I (C or above)****1 CREDIT***CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** Art II offers advanced study in various drawing and color media along with in-depth instruction in drawing, composition, and design techniques. An introduction to the study of acrylic painting and sculpture is also included. Art history and different cultures are emphasized throughout the units of study.

**CLASS: ART III****GRADE LEVEL: 11-12****PREREQUISITES: Art II (B- or above)****1 CREDIT***CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** Art III is an advanced level class that will enable highly motivated students to prepare for college-level work in studio art. An in-depth study in figure drawing, drawing, perspective, color design, and sculpture will be stressed. Students will examine how art history and different cultures are related to visual arts. The student will be expected to demonstrate creativity, as well as an exploratory use of materials.

**CLASS: ART IV****GRADE LEVEL: 12****PREREQUISITES: Art III (B or above)****1 CREDIT***CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** Art IV is a course for those students planning on majoring in an art field in college. It will emphasize an advanced level of drawing perspective, color design, and sculpture. The student will be expected to demonstrate creativity. Students are expected to incorporate art history and culture into the finished product. They will be responsible for a finished portfolio of their artwork by the end of the year.

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# MUSIC

## (Fine Arts)

Course Title	Prerequisite	Grade Level	Sem/Year
Marching Band	Audition	9, 10, 11, 12	1 <sup>ST</sup> Semester
Symphonic Band	Audition	9,10,11,12	2 <sup>ND</sup> Semester
Concert Band	Prior Instrumental Experience	9, 10, 11, 12	Year
Jazz Ensemble	Audition	9*, 10, 11, 12	Year
Music Appreciation	None	9, 10, 11, 12	Semester
Stage/Film/Video	None	9, 10, 11, 12	Semester
Men's Choir	None	9, 10, 11, 12	Year
Women's Choir	None	9, 10, 11, 12	Year
Concert Choir	Audition	9, 10, 11, 12	Year

### CLASS: MARCHING BAND

**GRADE LEVEL: 9-12**

**PREREQUISITES: Audition**

**.5 CREDIT (Semester 1)**

*CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** Marching Band is composed of students in grades 9-12 who have satisfactorily completed auditions for the course. The Marching Band represents the school district as the De Soto Dragon Pride Marching Band in the fall semester. This ensemble represents the school at local concerts, home football and basketball games, and local/regional marching festivals and concert band festivals. This course requires out of school participation.

### CLASS: SYMPHONIC BAND

**GRADE LEVEL: 9-12**

**PREREQUISITES: Audition**

**.5 CREDIT (Semester 2)**

*CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** Symphonic Band builds on the fundamentals taught in Concert Band by providing instruction in advanced ensemble techniques. Enrollment in Symphonic Band is based on auditions and director's recommendation. Participation in this ensemble includes performing at MSHSAA events. Students not meeting MSHSAA eligibility requirements will not be permitted to participate in those events and may be responsible for an alternate activity or assignment. This ensemble also performs at a number of Pep Assemblies and basketball games during the Spring Semester. Attendance at all performances is required and part of the class grade as covered in the De Soto Bands Concert Performance Expectations document. **Students in this band must have satisfactorily completed previous band instruction.**

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**CLASS: CONCERT BAND****GRADE LEVEL: 9-12****PREREQUISITES: Prior Instrumental Experience****1 CREDIT***CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** Concert Band is composed of students in grades 9-12 who are performing on a wind or percussion instrument in a concert venue. Students enrolled in this course work on developing their musical ability through ensemble performance. Concert Band represents the school at local concerts. This course requires limited out of school participation.

**CLASS: JAZZ ENSEMBLE****GRADE LEVEL: 9\*-12****PREREQUISITES: Audition****1 CREDIT***CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** Jazz Ensemble is composed of students in grades 9\*-12 that are also enrolled in a concert ensemble. \*Freshman students will be accepted only in emergency situations, due to scheduling constraints. Jazz Ensemble provides students with an opportunity to explore innovative styles of instrumental techniques utilized in American jazz and jazz-driven mediums. This band fosters creativity through improvisation and serves as a basis for music vocations or avocations. Jazz Ensemble represents the school at local concerts, several home basketball games, and local/regional jazz festivals. This course requires out of school participation.

**CLASS: MUSIC APPRECIATION****GRADE LEVEL: 9-12****PREREQUISITES: None****.5 CREDIT***CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** This course covers a broad overview of the development of music through the study of various stylistic periods. General musical knowledge, as well as, basic theory skills will be learned. Music appreciation is the study of the materials, history, and performance of music in various world cultures.

**CLASS: STAGE/FILM/VIDEO****GRADE LEVEL: 9-12****PREREQUISITES: None****.5 CREDIT***CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** Stage and film provides the opportunity for students to explore the relationship between the musical, visual, and theatrical arts. The emphasis will be with regards to the connection and role of music for a variety of Stage and Film productions.

**CLASS: MEN'S CHOIR****GRADE LEVEL: 9-12****PREREQUISITES: None****1 CREDIT***CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** This is a performance class for men. The course offers instruction in performance as well as developing leadership, self-discipline and the ability to work cooperatively. Students will participate in several required concerts throughout the year.

**CAREER PATH CODES**

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IET= Industrial/Engineering Technology

HLS= Health Services  
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**CLASS: WOMEN'S CHOIR****GRADE LEVEL: 9-12****PREREQUISITES: None****1 CREDIT***CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** This is a performance class for women. The course offers instruction in performance as well as developing leadership, self-discipline and the ability to work cooperatively. Students will participate in several required concerts throughout the year.

**CLASS: CONCERT CHOIR****GRADE LEVEL: 9-12****PREREQUISITES: Audition***CAREER PATHWAY CODE: AC***1 CREDIT**

**COURSE DESCRIPTION:** Concert choir is a select performance choir. The course offers advanced instruction in performance as well as developing leadership, self-discipline, and the ability to work cooperatively. The choir performs high caliber music and represents the high school at competition and festivals. Students will participate in several required concerts throughout the year.

**CAREER PATH CODES**

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# DRAMA/THEATRE ARTS

## (Fine Arts)

Course Title	Prerequisite	Grade Level	Sem/Year
Theatre Arts	None	9, 10, 11, 12	Year
Actor's Studio I	Theatre Arts (C or above)	10, 11, 12	Year
Actor's Studio II/Directing	Actor's Studio I (C or above)	11, 12	Year

### **CLASS: THEATRE ARTS**

**GRADE LEVEL: 9-12**

**PREREQUISITES: None**

**1 CREDIT**

*CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** This survey course is designed for both the student new to drama and the student with a general background in the theatre. The class will cover all aspects of the theatre: the play, the actor, and the audience. Group and individual work will be used to develop skills in movement, voice, story development, conflict building, characterizations, use of theatre terminology, application of production techniques, and theater attendance followed by exercises in written and oral critiques, discussion of the elements of play production and the business of theater. Improvisation, limited line memorization and play attendance required.

### **CLASS: ACTOR'S STUDIO I**

**GRADE LEVEL: 10- 12**

**PREREQUISITES: Theatre Arts (C or above)**

**1 CREDIT**

*CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** The developing actor will be able to determine characterization through action, improvisation, analysis, motivation, creative movement, physicalization, vocal control, audition workshop, interpretation and staging through in-depth scene study. Although improvisation is used, the memorization of both monologues and duet acting scenes will be required as well as play attendance. Major contemporary playwrights used for scene study.

### **CLASS: ACTOR'S STUDIO II/DIRECTING**

**GRADE LEVEL: 11 or 12**

**PREREQUISITES: Actor's Studio I (C or above)**

**1 CREDIT**

*CAREER PATHWAY CODE: AC*

**COURSE DESCRIPTION:** This class is a continuation of Actor's Studio I; exploration of characterization through different methods and styles of acting, using classical literature. Students will analyze plays, and learn how to further analyze a character, through research and critical thinking. Monologues will be used as the means to study characterization. Memorization and successful completion of Actor's Studio I is required as well as play attendance. Fourth year students may take the Directing part of the course. This is for the advanced theatre student who is ready to demonstrate proficiency as a director. It is a laboratory course, which uses the theatrical production process as its experiment. Through the art of directing, acting and design, students will apply these concepts to a final production, to be presented to the school and public. Successful completion of Actor's Studio II is required, as well as time commitment after school.

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## PHYSICAL EDUCATION

Course Title	Prerequisite	Grade Level	Sem/Year
Physical Education	None	9, 10, 11, 12	Semester/Year
Health	None	9, 10, 11, 12	Semester
Strength Training	See Description	9, 10, 11, 12	Semester/Year

**\*\*Students may take both PE and Strength Training their **SENIOR** year only; however, permission must be granted by the PE department. If a student obtains a D or F at semester, one course will be dropped.**

### **CLASS: PHYSICAL EDUCATION**

**GRADE LEVEL: 9-12**

**PREREQUISITES: None**

**.5 or 1 CREDIT**

*CAREER PATHWAY CODE: HLS*

**COURSE DESCRIPTION:** This course will provide the students with the opportunity to further develop their basic skills and be introduced to advanced skills in various sports and activities. History, rules, terms and strategies will be emphasized in each area along with appropriate competitive and cooperative attitudes. Social skills will be stressed throughout the year including team building activities. The principles of health-related and skill-related fitness will be used to assess the individual's personal fitness level. Injury prevention and personal health topics will be integrated throughout the course.

### **CLASS: HEALTH**

**GRADE LEVEL: 9-12**

**PREREQUISITES: None**

**.5 CREDIT**

*CAREER PATHWAY CODE: HLS*

**COURSE DESCRIPTION:** Students will be presented information on how to make healthy decisions in their life. Subject areas will include mental health, good nutritional habits, and effects of physical fitness levels, substance abuse, and preventing diseases. Students will learn strategies to help them attain positive habits in each area.

### **CLASS: STRENGTH TRAINING**

**GRADE LEVEL: 9-12**

**PREREQUISITES: Incoming 9<sup>th</sup> grade students must have taken summer school PE or PE first semester.**

**.5 or 1 CREDIT**

*CAREER PATHWAY CODE: HLS*

**COURSE DESCRIPTION:** The strength training course is designed to develop the student's muscular system. An active strength enhancing program will include a regimen of weightlifting, plyometrics, flexibility, and agility training. Weight room etiquette and safety training will also be incorporated.

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## GENERAL ELECTIVES

Course Title	Prerequisite	Grade Level	Sem/Year
Teacher Assistant	Application	12	Semester/Year
Office Assistant	Application	11, 12	Semester/Year
Study Hall	None	10, 11, 12	Semester/Year
Mass Media	Application	9, 10, 11, 12	Year
Histep	None	11, 12	Semester
A+ Tutoring	None	10, 11, 12	Semester/Year
ACT Prep	None	11	Semester
Cadet Teaching	None	12	Semester

**CLASS: TEACHER ASSISTANT**

**GRADE LEVEL: 12**

**PREREQUISITES: Application**

**NO CREDIT**

**COURSE DESCRIPTION:** Each teacher is allowed one/two student(s) to help with non-teaching duties during the day.

**CLASS: OFFICE ASSISTANT**

**GRADE LEVEL: 11 or 12**

**PREREQUISITES: Application**

**1 CREDIT**

**COURSE DESCRIPTION:** Students work in the different school offices gaining practice in various office type duties. Good attendance is required and attendance and performance are evaluated for the grade received. **This course is graded on a Pass/Fail system.**

**CLASS: STUDY HALL**

**GRADE LEVEL: 10-12**

**PREREQUISITES: None**

**NO CREDIT**

**COURSE DESCRIPTION:** Students may take a study hall to use as a time for academic studying.

**CLASS: MASS MEDIA (YEARBOOK)**

**GRADE LEVEL: 9-12**

**PREREQUISITES: Application**

**1 CREDIT (Practical Arts)**

**CAREER PATHWAY CODE: AC, BMT**

**COURSE DESCRIPTION:** The Mass Media course is designed to develop students' skills in both hard copy and digital media production. Students will learn basic principles of journalism and develop skills that include writing copy, captions, and headlines; digital photography; graphic design; desktop publishing; business marketing; and using appropriate technology tools and software for media production. Students' grades depend partially on meeting deadlines, attending extra-curricular events outside of class, and selling publication ads. This course will work on two media publications throughout the year; the annual DeSotonian Yearbook and bi-weekly publications on the Varsity News Network.

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**CLASS: HISTEP**  
**GRADE LEVEL: 11 or 12**  
**PREREQUISITES: None**  
**.5 CREDIT**  
**CAREER PATHWAY CODE: HUS**

**COURSE DESCRIPTION:** In HISTEP students will learn to make presentations using positive role modeling techniques on peer pressure, decision making, friendship, etc. Students will make presentations to various grade classes at area elementary schools. Admission to the class is through written application. Size is limited, and good attendance is required.

**CLASS: A+ TUTORING**  
**GRADE LEVEL: 10-12**  
**PREREQUISITES: None**  
**.5 or 1 CREDIT**

**COURSE DESCRIPTION:** This class is offered as an opportunity for sophomores, juniors and seniors to complete their tutoring hours for the A+ program and also receive a .5 credit or full elective credit. In order to be eligible, students must be enrolled in the A+ Program and must have attended an A+ tutoring/training session. All students must sign up for a study hall. The first week of school, students that would like to be taken out of study hall to complete their A+ hours will meet with Ms. Schutte, A+ Coordinator, to be assigned a teacher unless one has already been assigned and approved. Students will be assigned to the Jr. High, Senior High, Vineland or Athena. **This course is graded on a Pass/Fail system.**

**CLASS: ACT PREP**  
**GRADE LEVEL: 11**  
**PREREQUISITES: None**  
**.5 CREDIT**

**COURSE DESCRIPTION:** ACT prep is a class for college bound juniors who are interested in raising their ACT score. In this class, students will learn strategies and techniques for each subtest of the ACT. In addition, students will review English, math, and science content on the ACT. **Required for College Prep Diploma UNLESS student scores a 24 composite on the ACT. This course is graded on a Pass/Fail system.**

**CLASS: CADET TEACHING**  
**GRADE LEVEL: 12**  
**PREREQUISITES: Application**  
**1 CREDIT**

**COURSE DESCRIPTION:** Cadet teaching is a class for seniors who are working on a college prep diploma and who think they may be interested in becoming teachers. The first semester is spent in class learning about things such as: writing lesson plans, classroom discipline, teaching methods, classroom procedures, and professionalism. The second semester, these students spend five days a week with an elementary or junior high classroom teacher getting some practical teaching experience.

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## **JEFFERSON COLLEGE AREA TECHNICAL SCHOOL**

A variety of technical programs are available through Jefferson College. The mission of the Area Technical School at Jefferson College is to make a positive difference for all students taking their first steps towards their chosen career, continued education and a productive life in society. The programs are divided into high school and college level programs. College vocational credit will be given for each course completed with a grade of "C" or higher. All ATS programs are designed to prepare students for employment right after high school or additional vocational training. Application is required.

### **CLASS: AUTOMOTIVE TECHNOLOGY (COLLEGE CREDIT)**

**ENTRY LEVEL: 12, Morning Program Only**

**3 Elective Credits**

**COURSE DESCRIPTION:** Automotive Technicians most often inspect, maintain, and repair cars and light trucks. The instruction in Automotive Technology begins with Automotive Shop Safety. In this course the student will complete an on-line curricula plus jack and properly support vehicles. In addition, the student will use twin post frame contact lifts and runway ramp style lifts with swing arm jacks. The proper use of bench grinders, power tools and power shop washers will be covered as they pertain to the automotive shop. Required supplies: one pair of safety glasses and two Jefferson College Automotive shirts. Total approximate cost: TBA.

### **CLASS: BIOMEDICAL SCIENCES I/II**

**ENTRY LEVEL: 10 - 12**

**3 Elective Credits**

**COURSE DESCRIPTION:** In the Biomedical Sciences program students explore the concepts of human medicine and are introduced to topics such as physiology, genetics, microbiology, and public health. Through activities, like dissecting a heart, students examine the processes, structures and interactions of the human body-often playing the role of biomedical professionals. They also explore the prevention, diagnosis, and treatment of disease, working collaboratively to investigate and design innovative solutions to the health challenges of the 21<sup>st</sup> century such as fighting cancer with nanotechnology. Required supplies: Lab notebook, lab coat, HOSA dues, three-ring binder, paper, pen and flash drive. Total approximate cost: \$70.

### **CLASS: BUILDING REPAIR TECHNOLOGY**

**ENTRY LEVEL: 10-12**

**3 Elective Credits**

**COURSE DESCRIPTION:** This course prepares students to be skilled building repair technicians. Students are provided experience in assembly, installation, maintenance, and repair of systems within residential and commercial buildings. Classroom and laboratory instruction include opportunities for students to work with metals, wood, stone, brick, glass, concrete, and composition substances. The students will also learn installation and repair of various mechanical and electrical systems and the proper use of a variety of hand and power tools as well as how to read blueprints and follow technical specifications. Students will also receive the opportunity to learn various welding techniques. Required supplies: Safety glasses, daily school supplies (paper, notebook, etc.). Total approximate cost: TBA.

### **CLASS: BUSINESS MANAGEMENT (COLLEGE CREDIT)**

**ENTRY LEVEL: 11 or 12, Morning Program Only**

**3 Elective Credits**

**COURSE DESCRIPTION:** Business management includes the study of management and functions, organizational structures, leadership, planning, the stimulation of change within an organization and relationships between subordinates and superiors. Marketing and retail will be emphasized as part of the course. Required supplies: basic calculator, student planner, jump drive. Total approximate cost: \$24.

**CLASS: COMPUTER INTEGRATED MANUFACTURING (COLLEGE CREDIT)****ENTRY LEVEL: 12, Morning Program Only****3 Elective Credits**

**COURSE DESCRIPTION:** In this program students will learn integration in industrial manufacturing which is the key to providing high precision and intricate machined metal parts into the world's growing demand for extremely technical design. With the assistance of computer aided drafting and computer aided manufacturing (CAD/CAM) the gap between manufacturing and engineering tightens. The results of this integration are higher standards of precision and quality along with programming, set-up, and machine cycle time reduction of CNC machining centers and turning centers. Required supplies: safety glasses and daily school supplies (paper, notebook, etc.) Total approximate cost: TBA.

**CLASS: CULINARY ARTS (COLLEGE CREDIT)****ENTRY LEVEL: 10-12****3 Elective Credits**

**COURSE DESCRIPTION:** This course is designed for the student who wishes to enter the culinary arts trade with a career in food preparation in a hotel, club, or restaurant environment. Emphasis is placed on the fundamentals of restaurant banquet service and restaurant management or ownership. Required supplies: blue or black ink pen, loose leaf paper, 3-ring binder, culinary arts uniform (2 jackets, 1 chef pants, 2 aprons, 1 hat), Hepatitis A vaccination and Skills USA membership dues. Total approximate cost: \$100.

**CLASS: DIGITAL MEDIA TECHNOLOGY (COLLEGE CREDIT)****ENTRY LEVEL: 10 - 12****3 Elective Credits**

**COURSE DESCRIPTION:** This program combines classroom experience with real-world projects; this interdisciplinary program is designed for students seeking employment in information technology careers, including, but not limited to: web design, digital media and motion graphics creation, photo manipulation, programming for the web, and installation and repair of microcomputer systems. Some of the software programs used to gain this experience include: Adobe Photoshop, Dreamweaver, Adobe Illustrator, Adobe Flash, Adobe Premiere, and Adobe After Effects. Required supplies: Jump Drive/Thumb Drive. Total approximate cost: TBA.

**CLASS: EARLY CHILDHOOD EDUCATION/ELEMENTARY (COLLEGE CREDIT)****ENTRY LEVEL: 11 or 12****3 Elective Credits**

**COURSE DESCRIPTION:** Provides students with the background and professional competencies necessary for employment in the field of early childhood care and education. Instruction includes topics in child health, nutrition and safety, infant/toddler care, and principles of child growth and development. Additional laboratory experiences are provided with direct interaction with young children under qualified supervision in the campus Child Care Center or other approved sites within the county. Required supplies: 1 to 3 program shirts and background check. Total approximate cost: \$30.

**CLASS: FIRE SCIENCE TECHNOLOGY (COLLEGE CREDIT)****ENTRY LEVEL: 12, Morning Program Only****3 Elective Credits**

**COURSE DESCRIPTION:** The Fire Science Technology program introduces students to a career as a full-time or volunteer fire fighter. Students will learn to control and extinguish fires, prevent fires, provide emergency medical services, respond to hazardous materials and disaster, and search and rescue. Students are required to attend mandatory Saturday sessions. Fire Fighter I and II covers fire protection characteristics, fire behavior, chemistry of fire, extinguishing agents, water supply, in-depth fire streams, auto extrication, and fire theory. Students will be eligible to take the Fire Fighter I and II State Certification Exams after successful completion of this course and Hazardous Materials Awareness and Operations. This will certify an Individual to the NFPA 1001-2008 Firefighter Professional Qualifications Standard. State Certification for Fire Fighter I and II is administered through the Missouri Division of Fire Safety at predetermined sites throughout Missouri. Applicants must be 18 years of age and have successfully completed the required course work. If applicants are not 18 years of age or miss the initial scheduled testing they will have one year from the completion of the course to take the test. Required supplies: uniform, boots, notebook, index cards, Nomex hood, black socks, and fire gloves. Total approximate cost: \$166-\$236.

**CLASS: HEALTH SERVICES****ENTRY LEVEL: 11 or 12****3 Elective Credits**

**COURSE DESCRIPTION:** This course provides specific educational experiences essential for development of skills, knowledge, and attitudes necessary for employment in existing and emerging health occupations. Each student will develop understanding and skills in basic nursing practice as they apply to the duties of a nurse's aide. Instruction will include procedures and directions in the following areas: basic hygiene and infection control techniques, bed making, personal care procedures, food service, charting, basic preventative and restorative care, basic observation, safety techniques, basic emergency first aid, uncomplicated nursing procedures, i.e., recording vital signs, weighing and measuring, etc.; communication and mathematical skills, interpersonal relationships, teamwork, and ethical and legal responsibilities. Students must be at least 16 years of age to participate in this program and have reliable transportation to and from the clinical sites. Required supplies: uniform (scrubs), stethoscope, watch with second hand, weight belt, white socks, white tennis shoes. Total approximate cost: \$217.

**CLASS: HEATING, REFRIGERATION, & AIR CONDITIONING TECHNOLOGY (COLLEGE CREDIT)****ENTRY LEVEL: 11 or 12****3 Elective Credits**

**COURSE DESCRIPTION:** HRA 101 Basic Electricity for HVAC involves lecture and lab experiences with topics in electron theory, series and parallel circuits, test equipment, electric motors, and an introduction to house heating and AC controls, and the wiring thereof. HRA 105 Principles of Refrigeration includes the study of the basic refrigeration circuit and its components, use of hand tools, test equipment, brazing, proper charging and evacuation methods. HRA 125 Refrigeration Mechanical Systems covers various refrigeration systems and their components and the assembly thereof. Emphasis is on the EPA test, system evacuation and recovery. The EPA test is studied and taken in this class. HRA 145 Piping Design, Sizing, and Installation for Heating, Refrigeration, and Air Conditioning teaches students to identify pipe fittings, size gas and Freon lines, and properly assemble pipe fittings for heating, refrigeration, and air conditioning systems. HRA 135 Introduction to Mechanical Code prepares students to properly determine ductwork sizing and installation, venting, gas and refrigerant piping, and electrical requirements, as well as to apply fresh air requirements to meet mechanical code. Required supplies: safety glasses, notebook, program shirt. Total approximate cost: \$30.

**CLASS: METAL FABRICATION****ENTRY LEVEL: 10-12****3 Elective Credits**

**COURSE DESCRIPTION:** This course provides students with specialized learning experiences in metal work. Students are prepared to assume the duties of an all-around metal worker capable of fabricating and assembling a variety of metal products in many industries. The program is comprised of three components: sheet metal, machining, and welding. Required supplies: 20' tape measure, 3-ring binder, flint type striker, soapstone, welding gloves (gauntlet type), spiral notebook, safety glasses (2), high speed cutter bit, pen/pencil, welding jacket, welding helmet and steel toed work boots. Total approximate cost: \$140.

**CLASS: RESIDENTIAL CARPENTRY****ENTRY LEVEL: 10 - 12****3 Elective Credits**

**COURSE DESCRIPTION:** Pre-apprentice course designed to provide graduates with entry-level skills in a number of residential construction trades. Instruction will include tool usage and safety, safety on the work site, construction materials, floor framing, wall and ceiling framing, roof framing, roofing materials, window and doors, exterior finish, insulation, and interior finish. Required supplies: safety glasses, 25 foot tape measure. Total approximate cost: \$25.

**CLASS: ADVANCED RESIDENTIAL CARPENTRY****ENTRY LEVEL: 11 or 12****3 Elective Credits**

**COURSE DESCRIPTION:** Instruction consists of application of topics covered in Residential Carpentry with performance of skills in construction techniques and processes through construction of an actual structure (house). Total approximate cost: \$250.

**CLASS: WELDING TECHNOLOGY (COLLEGE CREDIT)****ENTRY LEVEL: 11 or 12****3 Elective Credits**

**COURSE DESCRIPTION:** This program will progress from basic gas and arc welding through advanced arc, gas metal arc (MIG), gas tungsten (TIG) and advanced welding techniques. Required supplies: safety glasses, #1 Victor welding tip 1-W-1, tip cleaner, chipping hammer, wire brush cutting goggles with #5 lens, welding hood with #10 lens, soap stone, combination square, vise grip, flint type striker, scientific calculator, protractor, welding gloves, welding jacket, padlock for locker and boot or shoe protectors. Total approximate cost: \$266.50.