

ODESSA HIGH SCHOOL



Career and Education Planning Guide

2020-2021

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Odessa High School Contact Information

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www.odessar7.net

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Notice of Non-Discrimination

The Odessa R-VII School District does not discriminate on the basis of race, color, religion, sex, national origin, age or handicap in admission or access to treatment of employment in its programs and activities. Specific complaints of alleged discrimination should be referred to the Superintendent’s Office, 701 South Third St., Odessa, MO 64076, Phone: 816.633.5316.

Any person having inquiries concerning Odessa R-VII School District compliance with the regulations implementing Title VI, Title IX, and Section 504 is directed to contact the following persons who have been designated to coordinate efforts to comply with these regulations: Title VI and Title IX – Roger Feagan, Assistant Superintendent, 701 South Third St., Odessa, MO 64076, Phone: 816.633.5316; Section 504 – Buffie McConville, District 504 Coordinator, 1100 W. Cox School Road., Odessa, MO 64076, Phone: 816.633.5396.

The Odessa R-VII School District prohibits sexual harassment. Sexual harassment is a form of discrimination prohibited by Title VII and the Civil Rights Act of 1964. Sexual harassment is any unwanted attention of a sexual nature. Incidents of sexual harassment should first be reported to building administrators.

Cover art designed by Joshua Randall, Class of 2021.

ODESSA HIGH SCHOOL GRADUATION REQUIREMENTS

Core Area	Credits	Courses
Language Arts	4	CP English Language Arts I-Grade 9 CP ELA II/Honors II-Grade 10 CP ELA III/Honors III-Grade 11 CP ELA IV/DC Lang. Arts IV-Grade 12
Mathematics	4	Algebra A/B/I*, Geometry, Algebra II, Trigonometry & Pre-Calculus, Algebra III, DC College Algebra, Calculus;
Science	3	Physics & Earth Science-Grade 9 Chemistry-Grade 10 Biology-Grade 11
Social Studies	3	World History-Grade 9 American History-Grade 10 American Government-Grade 11
Public Speaking	½	Public Speaking-Grade 11 Speech and Debate-Grades 9-12 (must earn 1 credit)
Personal Finance	½	Personal Finance-Grade 11
Physical Education	1	PE-Grade 9 (1/2 credit) PE, Weights-Grades 10-12
Health	½	Health-Grade 9
Fine Arts	1	Band, Choir/Music, Art, Drama
Practical Arts	1	*Computer Applications required for Class of 2024 and beyond* Agriculture, Business, Computers, Marketing, Family & Consumer Sciences, Industrial Technology, or courses taken at Lex-La-Ray or Summit Technical Centers
Electives	7 ½	Additional courses taken in all of the above areas
Total Credits	26	

*Algebra I credit may be earned after successful completion of Algebra I in the 8th grade; This grade will be on their high school transcript and will be factored into their high school GPA. Students must take 3 consecutive years of math in high school to complete their 4 required math credits;

Lex La-Ray Students: Please note 1 credit of Language Arts and 1 credit of Math will be awarded upon completion of any two-year program; these credits may not be used to replace any required credits from grades 9-11;

POST-HIGH SCHOOL EDUCATION ADMISSIONS REQUIREMENTS (FOR MISSOURI INSTITUTIONS)

Curricular Areas	Entering Freshman University of Missouri System Credit Requirements	Missouri Public 4 year Colleges (UCM, MSU) Credit Requirements	Community & Technical Colleges (Metropolitan Community College)	Military Careers	Apprenticeships
Language Arts	4 credits	4 credits	High School Diploma, GED or a Certificate of Completion of Home School Program	High School Diploma, GED or a Certificate of Completion of Home School Program; Qualifying score on ASVAB exam	High School Diploma, or GED and must be at least 18 years of age
Mathematics	4 credits Alg I & Higher	3 credits Alg I & Higher			
Science	3 credits No General Science 1 must be a lab class	3 credits No General Science 1 must be a lab class			
Social Studies	3 credits ½ Government	3 credits ½ Government			
Fine Arts	1 credit	1 credit			
Foreign Language/ Additional Electives	2 credits 2 years of the same foreign language	3 credits Selected from foreign language &/or core courses			
Other Requirements	Plus appropriate class rank and ACT score	Plus appropriate class rank and ACT score			

The above chart is for informational purposes only. Please check with each college or university for their exact admission requirements, including ACT scores and GPA requirements.

**ODESSA HIGH SCHOOL
A+ SCHOOLS PROGRAM AGREEMENT**

The Missouri Outstanding Schools Act of 1993 established the "A+ Schools Program" within the Department of Elementary and Secondary Education to be administered by the Commissioner of Education. A+ certified high school graduates are eligible to receive two years of tuition benefits as a full-time student to any of Missouri's public community colleges or public vocational or technical schools. Students must make a good faith effort to secure all available federal post-secondary student financial assistance funds (FAFSA) that do not require payment in order to qualify for A+ Schools financial incentives.

A+ Requirements

- Enroll in and attend an A+ designated high school for at least THREE (3) years prior to high school graduation and enter into a written agreement by February 1st of the senior year.
- Graduate from an A+ designated high school with at least an un-weighted cumulative grade point average (GPA) of 2.5 based on a 4.0 scale.
- Graduate from high school with at least 95% attendance average for all four years.
- Perform and document a minimum of fifty (50) hours of unpaid, academic-based tutoring within the School District and supervised by a School District employee, as approved by the A+ Coordinator.
- Maintain a record of good citizenship that includes the avoidance of drugs and alcohol and acts of violence (as outlined in the Student Handbook and School District policy).
- Score proficient or advanced on a state level math End of Course Exam or meet approved math ACT score.
- Complete and submit a Free Application for Federal Student Aid (FAFSA) the second semester of the senior year.
- Register for the selective service (male U.S. citizen over the age of 18).

Students are eligible for the financial incentive for up to 48 months after high school graduation. To remain eligible for benefits, the student must attend on a full-time basis and maintain a GPA of 2.5 or higher and meet Satisfactory Academic Progress. The Missouri legislature may revise the benefits of this program and the financial incentive is dependent upon state appropriations from the Missouri General Assembly.

Last Name _____ First Name _____ Middle Initial _____

Social Security # _____ - _____ - _____ Date of birth _____ / _____ / _____ Year of graduation 20 _____

Name of other High School(s) attended _____

- I understand the terms listed above and agree to follow the guidelines set forth by the State of Missouri and the Odessa R-VII School District/Odessa High School to be an A+ eligible student and to have the option of using the tuition incentives provided that the State funds are appropriated by legislature.

Student and parents/legal guardians must sign the A+ Schools Program Agreement to enroll in the A+ Schools Program.

Student Signature

Date

Parents/Legal guardians signature

Date

A+ Coordinator Signature

Date

Return to:
Odessa High School
713 S. Third St
Odessa, MO 64076
Ashley Ray, A+ Coordinator
aray@odessar7.net
Phone: 816-633-5533 Fax: 816-633-7506

Odessa R-VII School District
A+ Schools Program
A+ Coordinator: Ashley Ray

What is the A+ Program?

In an effort to make college or vocational education available to every Missouri high school graduate, the Missouri General Assembly established the A+ schools program as a part of the Outstanding Schools Act of 1993. Graduates of designated A+ schools who successfully complete the requirements of the program may be eligible to receive two years of tuition benefits to a designated public community college, vocational or technical institution in Missouri. All funds are subject to Missouri General Assembly allocating monies for the A+ Program.

The goals of the A+ program are:

- All Students will graduate from high school
- All students will complete high school studies that are challenging and that have identified learning expectations.
- All students will proceed from high school graduation to college, post-secondary vocational or technical school or a high wage job with opportunities for workplace skill development.

What are the program requirements?

- Attend an A+ School for six consecutive semesters prior to graduation (grades 10-12)
- Complete an A+ agreement form prior to February 1st of senior year.
- Graduate with an **unweighted** cumulative GPA of 2.5 or higher on a 4.0 scale
- Graduate with at least a 95 percent cumulative attendance record for grades 9-12
- Perform 50 hours of unpaid tutoring
- Receive a score of Proficient or Advanced on a state level math End of Course exams or meet the approved math ACT subscore.
- Maintain a record of good citizenship and avoid the use of alcohol and unlawful drugs
- Apply for non-pay back scholarships by completing a FAFSA (Free Application for Federal Student Aid)
- Male students must register with the Selective Service

How do I become an A+ student?

It is easy to become part of the A+ Schools Program. Simply complete the A+ Schools Program Agreement and return to the A+ Coordinator. It is recommended that students sign up early in their high school careers. This allows students to receive correspondence from the A+ Coordinator regarding their eligibility status and any program updates.

It is also recommended that students enroll in the A+ Program even if they plan to attend a four-year college or enter the workforce rather than attend college. The A+ Program is an opportunity for students to access additional education after high school; it does not obligate them to use the A+ tuition reimbursement. The A+ benefits are available to A+ graduates up to 48 months after high school graduation.

For any further information please contact Ashley Ray, A+ Coordinator.

Career Planning Information

Students have several options to choose from for their post-high school plans. Whether they are looking at joining the workforce, enrolling in a college or vocational school, or enlisting in the military, a strong foundation of coursework is important. The following pages provide many tools to help our students choose the courses and activities that are most relevant to their post-high school plans.

What are Career Clusters?

Missouri uses 16 Career Clusters as a way of organizing occupations and careers to assist with career exploration and career planning. It is recommended that students select a Career Cluster of interest before or during high school to shape their plans for coursework. The Career Clusters framework recommends rigorous academic coursework for all students, so changing their mind won't put them behind. 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.

The Career Clusters framework creates a direct link between what students are learning today and what they will do for a living tomorrow. Students are more motivated because they can see the relevance of their education and their education involves rigorous academics applied to real world situations. Career Clusters provides a framework for all students to plan their future, whatever their interests, abilities, or desires for further education. Students can use the survey on pages 7-12 to help determine what Career Clusters align with their interests.

What are Programs of Study?

Programs of Study are designed to help students choose coursework and activities based on their selected Career Cluster. Each Program of Study includes course recommendations, opportunities at Area Career Centers, assessment information, relevant activity and organization involvement, post-secondary options, and potential careers specific to each of the 16 Career Clusters. The Programs of Study can be found on pages 13-44.

What is an Individual Career and Academic Plan (ICAP)?

An ICAP is an outline of the actual courses and activities that a student participates in during their high school years. The student is encouraged to review their ICAP on a yearly basis with their parent, counselor, and advisor. This document can be found on page 63.

Career Clusters Interest Survey

Name _____

School _____ Date _____

Directions: Circle the items in each box that best describe you. You may make as many or as few circles in each box as you choose. Add up the number of circles in each box. Look to see which three boxes have the highest numbers. Find the corresponding Career Clusters on the pages immediately following this survey to see which Career Clusters you may want to explore.

BOX 1	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Learn how things grow and stay alive. 2. Make the best use of the earth's natural resources. 3. Hunt and/or fish. 4. Protect the environment. 5. Be outdoors in all kinds of weather. 6. Plan, budget, and keep records. 7. Operate machines and keep them in good repair. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Self-reliant 2. Nature lover 3. Physically active 4. Planner 5. Creative problem solver 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Math 2. Life Sciences 3. Earth Sciences 4. Chemistry 5. Agriculture 	<p>Total number circled in Box 1</p> <div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>
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BOX 2	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Read and follow blueprints and/or instructions. 2. Picture in my mind what a finished product looks like. 3. Work with my hands. 4. Perform work that requires precise results. 5. Solve technical problems. 6. Visit and learn from beautiful, historic, or interesting buildings. 7. Follow logical, step-by-step procedures. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Curious 2. Good at following directions 3. Pay attention to detail 4. Good at visualizing possibilities 5. Patient and persistent 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Math 2. Drafting 3. Physical Sciences 4. Construction Trades 5. Electrical Trades/Heat, Air Conditioning and Refrigeration/Technology Education 	<p>Total number circled in Box 2</p> <div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>
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BOX 3	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Use my imagination to communicate new information to others. 2. Perform in front of others. 3. Read and write. 4. Play a musical instrument. 5. Perform creative, artistic activities. 6. Use video and recording technology. 7. Design brochures and posters. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Creative and imaginative 2. Good communicator/good vocabulary 3. Curious about new technology 4. Relate well to feelings and thoughts of others 5. Determined/tenacious 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Art/Graphic design 2. Music 3. Speech and Drama 4. Journalism/Literature 5. Audiovisual Technologies 	<p>Total number circled in Box 3</p> <div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div>
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Source: Adapted from the Guidance Division Survey, Oklahoma Department of Career and Technology Education (2005)

Note: This survey does not make any claims of statistical reliability and has not been normed. It is intended for use as a guidance tool to generate discussion regarding careers and is valid for that purpose.

BOX 4	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Perform routine, organized activities but can be flexible. 2. Work with numbers and detailed information. 3. Be the leader in a group. 4. Make business contact with people. 5. Work with computer programs. 6. Create reports and communicate ideas. 7. Plan my work and follow instructions without close supervision. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Organized 2. Practical and logical 3. Patient 4. Tactful 5. Responsible 	School subjects that I like: <ol style="list-style-type: none"> 1. Computer Applications/Business and Information Technology 2. Accounting 3. Math 4. English 5. Economics 	Total number circled in Box 4 <input style="width: 50px; height: 30px; margin-top: 10px;" type="text"/>
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BOX 5	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Communicate with different types of people. 2. Help others with their homework or to learn new things. 3. Go to school. 4. Direct and plan activities for others. 5. Handle several responsibilities at once. 6. Acquire new information. 7. Help people overcome their challenges. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Friendly 2. Decision maker 3. Helpful 4. Innovative/Inquisitive 5. Good listener 	School subjects that I like: <ol style="list-style-type: none"> 1. Language Arts 2. Social Studies 3. Math 4. Science 5. Psychology 	Total number circled in Box 5 <input style="width: 50px; height: 30px; margin-top: 10px;" type="text"/>
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BOX 6	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Work with numbers. 2. Work to meet a deadline. 3. Make predictions based on existing facts. 4. Have a framework of rules by which to operate. 5. Analyze financial information and interpret it to others. 6. Handle money with accuracy and reliability. 7. Take pride in the way I dress and look. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Trustworthy 2. Orderly 3. Self-confident 4. Logical 5. Methodical or efficient 	School subjects that I like: <ol style="list-style-type: none"> 1. Accounting 2. Math 3. Economics 4. Banking/Financial Services 5. Business Law 	Total number circled in Box 6 <input style="width: 50px; height: 30px; margin-top: 10px;" type="text"/>
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BOX 7	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Be involved in politics. 2. Negotiate, defend, and debate ideas and topics. 3. Plan activities and work cooperatively with others. 4. Work with details. 5. Perform a variety of duties that may change often. 6. Analyze information and interpret it to others. 7. Travel and see things that are new to me. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Good communicator 2. Competitive 3. Service-minded 4. Well-organized 5. Problem solver 	School subjects that I like: <ol style="list-style-type: none"> 1. Government 2. Language Arts 3. History 4. Math 5. Foreign Language 	Total number circled in Box 7 <input style="width: 50px; height: 30px; margin-top: 10px;" type="text"/>
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BOX 8	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Work under pressure. 2. Help sick people and animals. 3. Make decisions based on logic and information. 4. Participate in health and science classes. 5. Respond quickly and calmly in emergencies. 6. Work as a member of a team. 7. Follow guidelines precisely and meet strict standards of accuracy. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Compassionate and caring 2. Good at following directions 3. Conscientious and careful 4. Patient 5. Good listener 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Biological Sciences 2. Chemistry 3. Math 4. Occupational Health classes 5. Language Arts 	<p>Total number circled in Box 8</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
BOX 9	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Investigate new places and activities. 2. Work with all ages and types of people. 3. Organize activities in which other people enjoy themselves. 4. Have a flexible schedule. 5. Help people make up their minds. 6. Communicate easily, tactfully, and courteously. 7. Learn about other cultures. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Tactful 2. Self-motivated 3. Works well with others 4. Outgoing 5. Slow to anger 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Language Arts/Speech 2. Foreign Language 3. Social Sciences 4. Marketing 5. Food Services 	<p>Total number circled in Box 9</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
BOX 10	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Care about people, their needs, and their problems. 2. Participate in community services and/or volunteering. 3. Listen to other people's viewpoints. 4. Help people be at their best. 5. Work with people from preschool age to old age. 6. Think of new ways to do things. 7. Make friends with different kinds of people. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Good communicator/good listener 2. Caring 3. Non-materialistic 4. Intuitive and logical 5. Non-judgmental 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Language Arts 2. Psychology/Sociology 3. Family and Consumer Sciences 4. Finance 5. Foreign Language 	<p>Total number circled in Box 10</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
BOX 11	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Work with computers. 2. Reason clearly and logically to solve complex problems. 3. Use machines, techniques, and processes. 4. Read technical materials and diagrams and solve technical problems. 5. Adapt to change. 6. Play video games and figure out how they work. 7. Concentrate for long periods without being distracted. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Logical/analytical thinker 2. See details in the big picture 3. Persistent 4. Good concentration skills 5. Precise and accurate 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Math 2. Science 3. Computer Tech/Applications 4. Communications 5. Graphic Design 	<p>Total number circled in Box 11</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
BOX 12	<p>Activities that describe what I like to do:</p> <ol style="list-style-type: none"> 1. Work under pressure or in the face of danger. 2. Make decisions based on my own observations. 3. Interact with other people. 4. Be in positions of authority. 5. Respect rules and regulations. 6. Debate and win arguments. 7. Observe and analyze people's behavior. 	<p>Personal qualities that describe me:</p> <ol style="list-style-type: none"> 1. Adventurous 2. Dependable 3. Community-minded 4. Decisive 5. Optimistic 	<p>School subjects that I like:</p> <ol style="list-style-type: none"> 1. Language Arts 2. Psychology/Sociology 3. Government/History 4. Law Enforcement 5. First Aid/First Responder 	<p>Total number circled in Box 12</p> <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>

BOX 13	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Work with my hands and learn that way. 2. Put things together. 3. Do routine, organized and accurate work. 4. Perform activities that produce tangible results. 5. Apply math to work out solutions. 6. Use hand and power tools and operate equipment/machinery. 7. Visualize objects in three dimensions from flat drawings. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Practical 2. Observant 3. Physically active 4. Step-by-step thinker 5. Coordinated 	School subjects that I like: <ol style="list-style-type: none"> 1. Math-Geometry 2. Chemistry 3. Trade and Industry courses 4. Physics 5. Language Arts 	Total number circled in Box 13 <input style="width: 50px; height: 40px; border: 1px solid black;" type="text"/>
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BOX 14	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Shop and go to the mall. 2. Be in charge. 3. Make displays and promote ideas. 4. Give presentations and enjoy public speaking. 5. Persuade people to buy products or to participate in activities. 6. Communicate my ideas to other people. 7. Take advantage of opportunities to make extra money. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Enthusiastic 2. Competitive 3. Creative 4. Self-motivated 5. Persuasive 	School subjects that I like: <ol style="list-style-type: none"> 1. Language Arts 2. Math 3. Business Education/Marketing 4. Economics 5. Computer Applications 	Total number circled in Box 14 <input style="width: 50px; height: 40px; border: 1px solid black;" type="text"/>
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BOX 15	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Interpret formulas. 2. Find the answers to questions. 3. Work in a laboratory. 4. Figure out how things work and investigate new things. 5. Explore new technology. 6. Experiment to find the best way to do something. 7. Pay attention to details and help things be precise. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Detail-oriented 2. Inquisitive 3. Objective 4. Methodical 5. Mechanically inclined 	School subjects that I like: <ol style="list-style-type: none"> 1. Math 2. Science 3. Drafting/Computer-Aided Drafting 4. Electronics/Computer Networking 5. Technical Classes/Technology Education 	Total number circled in Box 15 <input style="width: 50px; height: 40px; border: 1px solid black;" type="text"/>
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BOX 16	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Travel. 2. See well and have quick reflexes. 3. Solve mechanical problems. 4. Design efficient processes. 5. Anticipate needs and prepare to meet them. 6. Drive or ride. 7. Move things from one place to another. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Realistic 2. Mechanical 3. Coordinated 4. Observant 5. Planner 	School subjects that I like: <ol style="list-style-type: none"> 1. Math 2. Trade and Industry courses 3. Physical Sciences 4. Economics 5. Foreign Language 	Total number circled in Box 16 <input style="width: 50px; height: 40px; border: 1px solid black;" type="text"/>
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Disclaimer: Your interests may change over time. These survey results are intended to assist you with informal career exploration. Consider more formal assessments and other resources or services to help you plan your career. This survey does not make any claims of statistical reliability.



The Sixteen Career Clusters

<p>1</p> <p><i>Agriculture, Food & Natural Resources</i></p>	<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>2</p> <p><i>Architecture & Construction</i></p>	<p>Careers in designing, planning, managing, building, and maintaining the built environment.</p>
<p>3</p> <p><i>Arts, A/V Technology & Communications</i></p>	<p>Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.</p>
<p>4</p> <p><i>Business Management & Administration</i></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>5</p> <p><i>Education & Training</i></p>	<p>Planning, managing, and providing education and training services, and related learning support services.</p>
<p>6</p> <p><i>Finance</i></p>	<p>Planning, services for financial and investment planning, banking, insurance, and business financial management.</p>
<p>7</p> <p><i>Government & Public Administration</i></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>8</p> <p><i>Health Science</i></p>	<p>Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</p>
<p>9</p> <p><i>Hospitality & Tourism</i></p>	<p>Hospitality and Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions and recreation events, and travel-related services.</p>

Career Clusters cont.

<p>10</p>  <p><i>Human Services</i></p>	<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>
<p>11</p>  <p><i>Information Technology</i></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>12</p>  <p><i>Law, Public Safety, Corrections & Security</i></p>	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
<p>13</p>  <p><i>Manufacturing</i></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>14</p>  <p><i>Marketing</i></p>	<p>Planning, managing, and performing marketing activities to reach organizational objectives.</p>
<p>15</p>  <p><i>Science, Technology, Engineering & Mathematics</i></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>16</p>  <p><i>Transportation, Distribution & Logistics</i></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>

My top three Career Clusters of interest are:

1. _____
2. _____
3. _____

For more information, check with a career counselor at your high school, career technical center, higher education institution, or one-stop career center.



Odessa High School
Agricultural, Food & Natural Resources
Career Cluster Program of Study Template
www.odessar7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY									
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.									
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs	Additional Learning Opportunities	
9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Agricultural Science I Foreign Language Materials & Processing	N/A	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____	
10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History	Fine Art	Agricultural Science II Foreign Language Fundamentals of Marketing Foods & Nutrition	N/A	Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____	
11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Ag Sales & Marketing Ag Business Management Ag Construction Ag Structures *Greenhouse Operations Supervised Ag Experience Hospitality Management Travel & Tourism *Anatomy & Physiology *College Chemistry Accounting Foreign Language	Culinary Arts (LLR) *Hospitality & Tourism Management (ST)	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment <input type="checkbox"/> Other: _____	
12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III *College Algebra Calculus						Placement Assessments: <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____	Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> TSA <input type="checkbox"/> Other: Spanish Club

Secondary

¹³ * Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (ST) – Summit Technology Center
 (LLR) – Lex La-Ray Technical Center

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org			
Community College	Technical School/Training Institution	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>State Technical College www.statetechmo.edu</p> <p>Metropolitan Community College www.mcckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Community College www.otc.edu</p> <p>St Louis Community College www.slccc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Columbia Area Career Center www.career-center.org</p> <p>Davis Hart Career Center www.mexicoschools.net</p> <p>Eldon Career Center www.eldoncareercenter.org</p> <p>Hannibal Career and Technical Center www.hannibaltec.mo.us</p> <p>Kirksville Area Tech Center www.kirksville.k12.mo.us</p> <p>Moberly Area Tech Center www.moberly.k12.mo.us</p> <p>Ranken Tech College www.ranken.edu</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>A.T. Skill University of Health Sciences www.atsu.edu</p> <p>Avila University - www.avila.edu</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College - www.hlg.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood University www.lindenwood.edu</p> <p>Maryville University of St. Louis www.maryville.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p> <p>MO Univ of Science & Technology www.mst.edu</p> <p>Missouri Valley College www.moval.edu</p>	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training <p>Petropolis Academy of Grooming & Training - www.petropolisacademy.com</p> <p>Midwest Institute www.midwestinstitute.com</p>
<p>Postsecondary</p>			
<p>Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org</p>			
<p>On-The-Job Training or Less</p> <p>Animal Caretakers</p> <p>Animal Trainers</p> <p>Bakers</p> <p>Commercial Fishers</p> <p>Farm and Ranch Workers</p> <p>Farm Equipment Mechanics</p> <p>Farmers</p> <p>Food Processing Workers</p> <p>Log Graders and Scalers</p> <p>Loggers</p> <p>Meat Cutters</p> <p>Mining Machine Operators</p> <p>Nursery Workers</p> <p>Rock Splitters</p> <p>Trash Collectors</p> <p>Veterinary Assistants</p> <p>Water Treatment Plant Operators</p>	<p>Technical Training or Associate Degree</p> <p>Fish and Game Wardens</p> <p>Forestry Technicians</p> <p>Precision Agriculture Technicians</p>	<p>Bachelors Degree</p> <p>Agricultural Engineers</p> <p>Agricultural Scientists</p> <p>Animal Scientists</p> <p>Conservation Scientists</p> <p>Food Scientists</p> <p>Foresters</p> <p>Park Naturalists</p> <p>Zoologists</p>	<p>Masters Degree or More</p> <p>Agricultural Sciences Teachers, Postsecondary</p> <p>Animal Scientists</p> <p>Farm and Home Management Advisors</p> <p>Veterinarians</p> <p>Zoologists and Wildlife Biologists</p>



Odessa High School
Architecture & Construction
Career Cluster Program of Study Template
www.odessar7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY									
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.									
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs	Additional Learning Opportunities	
9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Materials & Processing Foreign Language Studio Art I	N/A	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment <input type="checkbox"/> Other: _____ Placement Assessments: <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ Student Organizations: <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> TSA <input type="checkbox"/> Other: High Mileage, Art Club, Spanish Club	
10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History		Woodworking Tech I Multimedia Graphic Design	N/A		
11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Woodworking Tech II/III Engineering Design I/II Mechanical & Architectural Design Studio Art II/III/IV Drawing Housing & Design Accounting Advanced Physics	◆ Building Trades (LLR) ◆ Industrial Welding (LLR) Engineering Design & Development (ST) Aerospace Engineering(ST) * Digital Electronics/ Computer Integrated Manufacturing (ST)		
12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III *College Algebra Calculus							

Secondary

* Dual Credit ◆ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Community College	Technical School/Training Institution	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>State Technical College www.statetechmo.edu</p> <p>Metropolitan Community College www.mccc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Comm College www.macc.edu</p> <p>North Central Missouri College www.ncmissoouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Arcadia Valley Tech Center - www.mineralarea.edu</p> <p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/tcc/default.htm</p> <p>Clinton Tech School www.clinton.k12.mo.us</p> <p>Columbia Area Career Ctr - www.career-center.org</p> <p>Davis Hart Career Ctr- www.mexicoschools.net</p> <p>Eldon Career Ctr - www.eldoncareercenter.org</p> <p>Franklin Technology- MSSU www.ftcjoplin.com</p> <p>Gibson Tech Ctr - www.wolves.k12.mo.us/gtc</p> <p>Grand River Technical School - www.grts.org</p> <p>Hannibal Career and Technical Center www.hannibaltec.mo.us</p> <p>Hemdon Career Center www.hemdoncareercenter.com</p> <p>Hillyard Technical Ctr - www.hillyardtech.com</p> <p>Lake Career & Technical Center www.camdentonschools.org</p> <p>Lebanon Technology and Career Ctr www.lebanon.k12.mo.us</p> <p>Lex La-Ray Tech Ctr www.lexington.k12.mo.us</p> <p>Kirksville Area Tech Ctr www.kirksville.k12.mo.us</p> <p>Moberly Area Tech Ctr - www.moberly.k12.mo.us</p> <p>Nichols Career Center - www.jcps.k12.mo.us</p> <p>Northland Career Ctr - www.northlandcareercenter.com</p> <p>Northwest Tech School - www.maryville.k12.mo.us</p> <p>Perryville Area Career/Tech Center www.perryville.k12.mo.us</p> <p>Pike-Lincoln Tech Ctr - www.pltc.k12.mo.us</p> <p>Ranken Tech College - www.ranken.edu</p> <p>Rolla Tech Institute - www.rolla.k12.mo.us</p> <p>South Central Career Ctr - www.wphs.k12.mo.us</p> <p>Unitec Career Center - www.mineralarea.edu</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College - www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville Univ of St. Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College www.missouricollege.com</p> <p>Missouri Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p>	<p>MO University of Science & Technology www.mst.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p> <p>Park University - www.park.edu</p> <p>Rockhurst University www.rockhurst.edu</p> <p>Saint Louis University www.imagine.stu.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>Southeast MO State University www.semo.edu</p> <p>Southwest Baptist Univ - www.sbuiv.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>Univ of MO – Columbia - www.missouri.edu</p> <p>Univ of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – St Louis - www.umsl.edu</p> <p>University of Phoenix - www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster University - www.websteruniv.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>

Postsecondary

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org	
On-The-Job Training or Less	Masters Degree or More
<p>Bricklayers, Stonemasons and Cement Masons</p> <p>Cabinetmakers and Carpenters</p> <p>Drywall Finishers & installers and Plasterers</p> <p>Electricians</p> <p>Fence Builders</p> <p>Heating and Cooling System Mechanics</p> <p>Highway Maintenance Workers & Paving Equip Operators</p> <p>Line Installers and Repairers</p> <p>Plumbers and Pipefitters</p> <p>Roofers</p> <p>Sheet Metal Workers and Structural Metal Workers</p> <p>Surveying and Mapping Technicians</p> <p>Tile Setters</p>	<p>Architects, Except Landscape and Naval Architecture Teachers, Postsecondary</p> <p>Engineering Managers</p> <p>Engineering Teachers, Postsecondary</p> <p>Historians</p> <p>Operations Research Analysts</p> <p>Political Scientists</p> <p>Sociologists</p> <p>Sociology Teachers, Postsecondary</p>
Technical Training or Associate Degree	Bachelors Degree
<p>Commercial Divers</p> <p>Drafters</p> <p>Energy Auditors</p> <p>Interior Designers</p>	<p>Architects</p> <p>Construction Managers</p> <p>Cost Estimators</p> <p>Landscape Architects</p> <p>Surveyors</p>



Odessa High School
Arts, A/V Technology & Communications
Career Cluster Program of Study Template
www.odessa7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY								
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.								
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs	
Secondary	9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Studio Art I Band Choir Drama	N/A
	10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History		Studio Art II Broadcasting Multimedia Band Choir Drama Speech & Debate	N/A
	11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Studio Art III/IV Graphic Design Drawing & Painting Computer Graphics Band Choir Drama Mechanical & Architectural Design	* Digital Media (ST) * International Studies Academy (ST)
	12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III * College Algebra Calculus				Fashion Design Housing & Design Journalism I/II * Psychology * Sociology History of Media	

<p>Additional Learning Opportunities</p> <p>School-Based:</p> <input type="checkbox"/> Career Research <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ <p>Community Based:</p> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ <p>Assessments/Certifications:</p> <input type="checkbox"/> Technical Skills Attainment <input type="checkbox"/> Other: _____ <p>Placement Assessments:</p> <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ <p>Student Organizations:</p> <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> TSA <input type="checkbox"/> Other: Art Club, Debate, Drama, Journalism _____

* Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Community College	Technical School/Training Institution	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>State Technical College www.statetechmo.edu</p> <p>Metropolitan Comm College www.mccckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Comm College www.macc.edu</p> <p>Ozarks Tech Comm College www.otc.edu</p> <p>St. Charles Comm College www.stchas.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Comm College www.trcc.edu</p>	<p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm</p> <p>Clinton Technical School www.clinton.k12.mo.us/ts.php</p> <p>Davis Hart/Mexico Technical School www.mexicoschools.org</p> <p>Eldon Career Center www.eldoncareercenter.org</p> <p>Four Rivers Technical Center www.washington.k12.mo.us</p> <p>Franklin Tech - MSSU www.ftcioplin.com</p> <p>Gibson Tech Ctr - www.wolves.k12.mo.us/gtc</p> <p>Hannibal Career and Technical Center www.hannibal.tec.mo.us</p> <p>Herridon Career Center www.herridoncareercenter.com</p> <p>Hilliard Tech Center - www.hilliardtech.com</p> <p>Kirksville Area Technical Center www.kirksville.k12.mo.us</p> <p>Lake Career and Technical Center www.camdentonschools.org</p> <p>Lex La-Ray Tech Ctr - www.lexington.k12.mo.us</p> <p>Moberly Area Tech Ctr - www.moberly.k12.mo.us</p> <p>Nichols Career Center - www.jcps.k12.mo.us</p> <p>Perryville Area Career/Technical Center www.mineralarea.edu</p> <p>Ranken Technical College - www.ranken.edu</p> <p>Rolla Technical Institute - www.rolle.k12.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>DeVry University - www.devry.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.com</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College - www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Hickey College www.hickeycollege.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville Univ of St. Louis www.marvillu.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College www.missouricollege.com</p> <p>MO Southern State Univ - www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>American College of Technology www.acot.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Barbizon School of Clayton www.barbizonmodeling.com</p> <p>Broadcast Center www.broadcastcenterinfo.com</p> <p>Calvary Bible College and Theological Seminary - www.calvary.edu</p> <p>Central Bible College - www.cbcag.edu</p> <p>Colorado Technical University www.coloradotech.com</p> <p>Court Report Academy www.thecourtreportingacademy.com</p> <p>Kansas City Art Inst - www.kcal.edu</p> <p>Midwestern Baptists Theological Seminary - www.mbls.edu</p> <p>Missouri Tech - www.motech.edu</p> <p>National American University www.national.edu</p>

Postsecondary

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Actors</p> <p>Bookbinders and Bindery Workers</p> <p>Camera/Photographic Equipment Repairers</p> <p>Communications Equipment Mechanics</p> <p>Costume and Wardrobe Specialists</p> <p>Dancers</p> <p>Fine Artists</p> <p>Floral Designers</p> <p>Movie Projectionists</p> <p>Musical Instrument Repairers and Tuners</p> <p>Musicians and Singers</p> <p>Painting, Coating, and Decorating Workers</p> <p>Photographers</p> <p>Potters</p> <p>Printing Press Operators</p> <p>Proofreaders</p> <p>Ushers and Ticket Takers</p>	<p>Audio and Video Equipment Technicians</p> <p>Broadcast Technicians and Sound Engineering Techs</p> <p>Camera Operators, Film and Video Editors</p> <p>Choreographers</p> <p>Communications Equipment Mechanics</p> <p>Computer, Automated Teller, & Office Machine Repairers</p> <p>Desktop Publishers and Page Layout Workers</p> <p>Directors- Stage, Motion Pictures, Television, and Radio</p> <p>Electronic Home Entertainment Equipment Installers/Repairers</p> <p>Fashion Designers and Interior Designers</p> <p>Fine Artists, Including Painters, Sculptors, and Illustrators</p> <p>Multi-Media Artists and Animators</p> <p>Music Directors</p> <p>Poets, Lyricists and Creative Writers</p> <p>Producers</p> <p>Radio Mechanics and Operators</p> <p>Telecommunications Equipment Installers and Repairers</p>	<p>Agents and Business Managers</p> <p>Animators and Multi-media Artists</p> <p>Art Directors and Talent Directors</p> <p>Broadcast News Analysts and News Reporters</p> <p>Copy Writers, Technical Writers and Editors</p> <p>Directors- Stage, Motion Pictures, Television, and Radio</p> <p>Film and Video Editors</p> <p>Graphic Designers</p> <p>Industrial Designers</p> <p>Interpreters and Translators</p> <p>Multi-Media Artists and Animators</p> <p>Museum Technicians and Conservators</p> <p>Music Composers, Directors, and Arrangers</p> <p>Poets, Lyricists and Creative Writers</p> <p>Proofreaders and Copy Markers</p> <p>Reporters and Correspondents</p> <p>Set and Exhibit Designers</p> <p>Vocational Education Teachers, Postsecondary</p>	<p>Art, Drama, and Music Teachers, Postsecondary</p> <p>Communications Teachers, Postsecondary</p> <p>English Language and Literature Teachers, Postsecondary</p> <p>Historians</p> <p>Librarians</p>

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org



Odessa High School
Business Management & Administration
Career Cluster Program of Study Template
www.odessa7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY

It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.

Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs	Additional Learning Opportunities
Secondary	9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	N/A	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment <input type="checkbox"/> Other: _____ Placement Assessments: <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: Spanish Club, Student Council _____
	10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History	Fine Arts	N/A	
	11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Marketing Research Hospitality Management Advanced Marketing Marketing Internship Accounting I/II Foreign Language *Psychology *Sociology Principles of Leadership	*International Studies Academy (ST) *Executive Finance & Fintech (STA)
	12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III *College Algebra Calculus					

* Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Community College	Technical School/Training Institution	In State	Out of State/Other
Crowder College www.crowder.edu	Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm	Avila University - www.avila.edu	Missouri Western State University www.missouriwestern.edu
East Central College www.eastcentral.edu	Clinton Tech School www.clinton.k12.mo.us	Baptist Bible College - www.baptist.edu	Northwest Missouri State University www.nwmissouri.edu
Jefferson College www.jeffco.edu	Eldon Career Center - www.eldoncareercenter.org	Central Methodist University www.centralmethodist.edu	Park University - www.park.edu
Metropolitan Community College www.mccc.edu	Franklin Technology- MSSU www.ftcopolin.com	College of the Ozarks - www.coto.edu	Patricia Stevens College www.patriciastevenscollege.edu
Mineral Area College www.mineralarea.edu	Grand River Technical School www.grts.org	Columbia College - www.ccis.edu	Rockhurst University - www.rockhurst.edu
Moberly Area Community College www.macc.edu	Hillyard Technical Center www.hillyardtech.com	DeVry University - www.devry.edu	Saint Louis University www.imagine.stu.edu
North Central Missouri College www.ncmissouri.edu	Kirksville Area Tech Center www.kirksville.k12.mo.us	Evangel University - www.evangel.edu	Sanford-Brown College www.sanford-browncollege.com
Ozarks Technical Comm College www.otc.edu	Lex La-Ray Tech Center www.lexington.k12.mo.us	Everest College - www.everest-college.com	Southeast MO State Univ - www.semo.edu
St. Charles Community College www.stchas.edu	Moberly Area Tech Center www.moberly.k12.mo.us	Fontbonne Univ - www.fontbonne.edu	Southwest Baptist Univ - www.sbumiv.edu
St Louis Community College www.slcc.edu	Northwest Tech School - www.maryville.k12.mo.us	Hannibal-Lagrange College - www.hlg.edu	Stephens College - www.stephens.edu
State Fair Community College www.sfcc.edu	Pike-Lincoln Tech Center www.pltc.k12.mo.us	Harris-Stowe State Univ - www.hssu.edu	Truman State Univ - www.truman.edu
Three Rivers Community College www.trcc.edu	Ranken Tech College - www.ranken.edu	Lincoln University - www.lincolnu.edu	Univ of Central MO - www.ucmo.edu
	Saline County Career Center www.marshallschools.com/sccc	Lindenwood Univ - www.lindenwood.edu	Univ of MO – Columbia - www.missouri.edu
	Sikeston Career and Technology Center www.sikeston.k12.mo.us	Maryville Univ of St. Louis www.maryville.edu	Univ of MO – Kansas City www.umkc.edu
		Messenger College www.messengercollege.edu	Univ of MO – Rolla – www.umr.edu
		Missouri Baptist Univ - www.mobap.edu	Univ of Phoenix – www.phoenix.edu
		Missouri College www.missouricollege.com	Vatterott College www.vatterott-college.edu
		MO Southern State Univ - www.mssu.edu	Washington University - www.wustl.edu
		Missouri State University www.missouristate.edu	Webster University - www.websteruniv.edu
		Missouri State University – West Plains www.wp.missouristate.edu	Westminster College www.westminster-mo.edu
			William Jewell College - www.jewell.edu
			William Woods University www.williamwoods.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-the-Job Training	Technical Training or Associate Degree	Bachelors Degree	Masters 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



**Odessa High School
Education & Training
Career Cluster Program of Study Template
www.odessa7.net**

SUGGESTED COURSE OF HIGH SCHOOL STUDY							
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs
9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Interpersonal Relationships Career & Family Leadership Foreign Language	N/A
10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History	Fine Art	Parenting & Child Development Foreign Language Foods & Nutrition	N/A
11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	* Psychology * Sociology Law & You Becoming a Teacher Cadet Teaching Internship Principles of Leadership	* Early Childhood Professions (LLR)
12	CP ELA IV * Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III * College Algebra Calculus					

Secondary

School-Based:
 Career Research
 Internship
 Job Shadowing
 Service Learning Project
 Other: _____

Community Based:
 Mentorship
 Volunteer
 Part-time Employment
 Other: _____

Assessments/Certifications:
 Technical Skills Attainment
 Other: _____

Placement Assessments:
 ACT
 SAT
 ASVAB
 Other: _____

Student Organizations:
 FCCLA
 FEA
 Skills USA
 TSA
 Other: Spanish Club, Mentoring, A+ tutoring

* Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

	Community College	Technical School/Training Institution	In State	Out of State/Other
<p>22</p> <p style="text-align: center;">Postsecondary</p>	<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Metropolitan Community College www.mcckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Tech Community College www.otc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>St. Louis Community College www.slcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Lex Le-Ray Technical Center www.lexington.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Cottey College - www.cottey.edu</p> <p>Culver-Stockton College www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College www.hlc.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Maryville University of St. Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p> <p>Missouri Valley College – www.moval.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p>	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training <p>Baptist Bible College & Graduate School www.baptist.edu</p> <p>Calvary Bible College and Theological Seminary - www.calvary.edu</p> <p>Colorado Technical University www.coloradotech.com</p> <p>Conception Seminary College www.conceptionabbey.org</p> <p>Grantham University www.grantham.edu</p> <p>National American University www.national.edu</p> <p>Paris II Educational Center www.parisii.net</p> <p>Wentworth Military Academy www.wma1880.org</p>

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Audi-Visual Specialists</p> <p>Coaches and Scouts</p> <p>Library Assistant</p> <p>Teacher Aides</p>	<p>Adult and Vocational Education Instructors</p> <p>Fitness Trainers and Aerobics Instructors</p> <p>Library Technical Assistants</p> <p>Preschool Teachers</p> <p>Teacher Assistants</p>	<p>Adult and Vocational Education Instructors</p> <p>Adult Literacy, Remedial Education, GED Teachers</p> <p>Audio-Visual Specialists</p> <p>Education Administrators</p> <p>Elementary School Teachers</p> <p>Employee Training Specialists</p> <p>High School Teachers</p> <p>Kindergarten Teachers</p> <p>Middle School Teachers</p> <p>Poets, Lyricists, and Creative Writer</p> <p>Public Health Educators</p> <p>Special Education Teachers</p>	<p>Adult and Vocational Education Instructors</p> <p>Audiologists</p> <p>Coaches and Scouts</p> <p>College and University Administrators</p> <p>Curriculum and Instruction</p> <p>Dietitians and Nutritionists</p> <p>Education Administrators</p> <p>Historians</p> <p>Instructional Coordinators</p> <p>Librarians</p> <p>School Psychologists</p> <p>Speech Pathologists</p> <p>Teacher</p>



Odessa High School
Finance
Career Cluster Program of Study Template
www.odessar7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY							
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs
9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Fundamentals of Marketing Foreign Language Interpersonal Relationships Career & Family Leadership	N/A
10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History		Accounting I Sports Marketing Entrepreneurship Foreign Language	N/A
11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Accounting II Marketing Research Advanced Marketing * Psychology * Sociology Law & You	* Executive Finance & Fintech (ST)
12	CP ELA IV * Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III * College Algebra Calculus					

Secondary

Additional Learning Opportunities

School-Based:
 Career Research
 Internship
 Job Shadowing
 Service Learning Project
 Other: _____

Community Based:
 Mentorship
 Volunteer
 Part-time Employment
 Other: _____

Assessments/Certifications:
 Technical Skills Attainment
 Other: _____

Placement Assessments:
 ACT
 SAT
 ASVAB
 Other: _____

Student Organizations:
 DECA
 FBLA
 FCCLA
 Skills USA
 Other: _____

²³ * Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
(Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Community College	Technical School	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Metropolitan Community College www.mccc.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>St Louis Community College www.stfcc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trccc.edu</p>	<p>Avila University - www.avila.edu</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>Columbia College - www.ccis.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Culver-Stockton College www.culver.edu</p> <p>DeVry University - www.devry.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.com</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Hickey College - www.hickeycollege.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville University of St. Louis www.maryville.edu</p> <p>Missouri College www.missouricollege.com</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri Valley College www.moval.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p>	<p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Rockhurst University www.rockhurst.edu</p> <p>Saint Louis University www.imagine.stu.edu</p> <p>Southeast MO State University www.semo.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>Univ of MO – Columbia www.missouri.edu</p> <p>University of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – Rolla – www.umr.edu</p> <p>Univ of MO – St Louis - www.ums.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster University - www.websteruniv.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p> <p>Vatterott College www.vatterott-college.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Colorado Technical University www.coloradotech.com</p> <p>National American University www.national.edu</p>

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-the-Job Training	Technical or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Bank Tellers</p> <p>Bill and Account Collectors</p> <p>Brokerage Clerks</p> <p>Credit Checkers and Authorizers</p> <p>Insurance Adjusters and Examiners</p> <p>Insurance Claims Clerk</p> <p>Insurance Policy and Claims Clerks</p> <p>Loan Clerks</p> <p>Tax Preparers</p> <p>Title Examiners and Searchers</p>	<p>Claims Examiners, Property and Casualty Insurance</p> <p>Insurance Appraisers, Auto Damage</p> <p>Insurance Sales Agents</p> <p>Insurance Underwriters</p>	<p>Accountants and Auditors</p> <p>Appraisers and Assessors</p> <p>Budget Analysts</p> <p>Credit Analysts</p> <p>Financial Analysts</p> <p>Financial Examiners</p> <p>Financial Managers</p> <p>Insurance Agents</p> <p>Insurance Underwriters</p> <p>Loan Officers</p> <p>Securities Salespeople</p>	<p>Actuaries</p> <p>Business Teacher, Postsecondary</p> <p>Economists</p> <p>Treasurers and Controllers</p>

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

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Compliance Officers and Inspectors</p> <p>Government Benefits Interviewers</p> <p>Interpreters and Translators</p> <p>License Clerks</p> <p>Mail Carriers</p> <p>Meter Readers</p> <p>Postal Clerks</p>	<p>Assessors</p> <p>Eligibility Interviewers, Government Programs</p> <p>General, Operations and Transportation Managers</p> <p>Government Property Inspectors and Investigators</p> <p>Licensing Examiners and Inspectors</p> <p>Mapping Technicians</p> <p>Municipal and Court Clerks</p> <p>Postmasters and Mail Superintendents</p> <p>Surveying Technicians</p> <p>Tax Examiners, Collectors, and Revenue Agents</p> <p>Tax Preparers</p>	<p>Administrative Services Managers</p> <p>Broadcast News Analysts & Public Relations Specialists</p> <p>City and Regional Planning Aides</p> <p>Emergency Management Specialists</p> <p>Equal Opportunity Representatives and Officers</p> <p>Financial Examiners</p> <p>Legislators</p> <p>Reporters and Correspondents</p> <p>Social and Community Service Managers</p> <p>Storage and Distribution Managers</p> <p>Urban and Regional Planners</p>	<p>Architecture Teachers, Postsecondary</p> <p>Chief Executives</p> <p>Communications Teachers, Postsecondary</p> <p>Coroners</p> <p>Economists</p> <p>Engineering Managers</p> <p>Political Science Teachers, Postsecondary</p> <p>Political Scientists</p>



Odessa High School
Health Science
Career Cluster Program of Study Template
www.odessar7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY									
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.									
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs		
Secondary	9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Interpersonal Relationships Career & Family Leadership Foreign Language Agricultural Science I	N/A	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment <input type="checkbox"/> Other: _____ Placement Assessments: <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ Student Organizations: <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: Spanish Club
	10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry & Biology	American History	Fine Art	Parenting & Child Development Foods & Nutrition Foreign Language Agricultural Science II	N/A	
	11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	*Anatomy & Physiology	American Government	Personal Finance Public Speaking	*College Chemistry Advanced Physics *Ecology *Psychology *Sociology	◆ Health Occupations (LLR) *Medical Interventions/ Biomedical Innovations (ST) *Professional Nursing (ST) *Allied Health Academy(ST)	
12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III *College Algebra Calculus							

* Dual Credit ◆ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Community College	Technical School/Training Institution	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Metropolitan Comm College www.mcckc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Comm College www.macc.edu</p> <p>North Central MO College www.ncmissouri.edu</p> <p>Ozarks Tech Comm College www.otc.edu</p> <p>St. Charles Comm College www.stchas.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Comm College www.trccc.edu</p>	<p>AT Skill University of Health Sciences www.atsu.edu</p> <p>Avila University - www.avila.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.com</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville Univ of St. Louis www.maryville.edu</p> <p>Missouri College www.missouricollege.com</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>MO Southern State Univ - www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University - West Plains www.wp.missouristate.edu</p>	<p>Missouri Valley College - www.moval.edu</p> <p>Western State University www.missouriwestern.edu</p> <p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Patricia Stevens College www.patriciastevenscollege.edu</p> <p>Rockhurst University - www.rockhurst.edu</p> <p>Saint Louis Univ - www.imagine.stu.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>Southeast MO State Univ - www.semo.edu</p> <p>Southwest Baptist Univ - www.sbutiv.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>Univ of MO - Columbia - www.missouri.edu</p> <p>Univ of MO - Kansas City - www.umkc.edu</p> <p>Univ of MO - St. Louis - www.umsi.edu</p> <p>Univ of Phoenix - www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster University - www.websteruniv.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training <p>Allied College - www.hightechinstitute.edu</p> <p>Barnes-Jewish College of Nursing & Allied Health - www.barnesjewishcollege.edu</p> <p>Cleveland Chiropractic College www.cleveland.edu</p> <p>Colorado Tech Univ - www.coloradotech.com</p> <p>Cox Health - www.coxhealth.com</p> <p>Chamberlain College of Nursing www.chamberlain.edu</p> <p>Heritage Coll - www.heritage-college.com</p> <p>Cox College of Nursing & Health Science www.coxcollege.edu</p> <p>Logan Coll of Chiropractic - www.logan.edu</p> <p>Lutheran School of Nursing www.nursingschoolinc.com</p> <p>Kansas City Univ of Med & Biosciences - www.kcumb.edu</p> <p>Research Med Ctr School of Nuclear Med www.researchmedicalcenter.com</p> <p>St John's Reg Health Ctr - www.stjohns.com</p> <p>Saint Luke's College - www.saint-lukes.org</p> <p>St Louis College of Health Careers www.slchc.com</p> <p>St Louis Coll Pharmacy - www.slcoop.edu</p> <p>Southeast MO Hospital College of Nursing www.southeastmissourihospital.com</p> <p>Truman Med Ctr School - Nurse Anesthesia www.trumed.org</p>

Postsecondary

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Dental Assistants</p> <p>Dental Laboratory Technicians</p> <p>Home Health Aides</p> <p>Medical Appliance Technicians</p> <p>Medical Assistants</p> <p>Medical Equipment Preparers</p> <p>Medical Secretaries</p> <p>Personal and Home Care Aides</p> <p>Pharmacy Aides</p> <p>Pharmacy Technicians</p> <p>Physical Therapist Aides</p> <p>Psychiatric Aides</p>	<p>Cardiovascular Technologists</p> <p>Dental Hygienists</p> <p>Emergency Medical Technicians</p> <p>Health Information Technicians</p> <p>Licensed Practical Nurses</p> <p>Medical Laboratory Technicians</p> <p>Medical Sonographers</p> <p>Medical Transcriptionists</p> <p>Nursing Assistants</p> <p>Occupational Therapist Assistants</p> <p>Physical Therapist Assistants</p> <p>Radiation Therapists</p> <p>Radiologic Technologists</p> <p>Registered Nurses</p> <p>Respiratory Therapists</p> <p>Surgical Technologists</p> <p>Veterinary Technologists and Technicians</p>	<p>Administrative Services Managers</p> <p>Athletic Trainers</p> <p>Biomedical Engineers</p> <p>Computer Programmers</p> <p>Computer Software Engineers, Applications</p> <p>Dietitians</p> <p>Health Educators</p> <p>Medical and Clinical Laboratory Technologists</p> <p>Medical Laboratory Technologists</p> <p>Occupational Health and Safety Specialists</p> <p>Orthotic and Prosthetic Specialists</p> <p>Petroleum Engineers</p> <p>Public Relations Specialists</p> <p>Recreational Therapists</p> <p>Rehabilitation Counselors</p>	<p>Athletic Trainers, Physical and Occupational Therapists</p> <p>Biologists, Physiologists, Hydrologists, Epidemiologists</p> <p>Clinical Psychologists and Mental Health Counselors</p> <p>Computer and Information Scientists, Research</p> <p>Dietitians and Nutritionists</p> <p>Farm and Home Management Advisors</p> <p>Health Specialties Teachers, Postsecondary</p> <p>Home Economics Teachers, Postsecondary</p> <p>Medical and Health Services Managers</p> <p>Medical Scientists, Except Epidemiologists</p> <p>Natural Sciences Mgrs, Zoologists and Wildlife Biologists</p> <p>Nurse Anesthetists and Physician Assistants</p> <p>Orthotics and Prosthetics</p> <p>Pharmacists</p> <p>Speech-Language Pathologists</p> <p>Communications Teachers, Postsecondary</p> <p>Veterinarians</p>



**Odessa High School
Hospitality & Tourism
Career Cluster Program of Study Template**
www.odessa7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY							
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs
9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Interpersonal Relationships Career & Family Leadership Fundamentals of Marketing Foreign Language	N/A
10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History	Fine Arts	Foods & Nutrition Hospitality Management Travel & Tourism Foreign Language Multimedia	N/A
11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Housing & Design Marketing Research Advanced Marketing Broadcasting Accounting Computer Graphics * Psychology * Sociology Agricultural Science I/II Greenhouse	Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment <input type="checkbox"/> Other: _____
12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III *College Algebra Calculus					Additional Learning Opportunities School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Placement Assessments: <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBA <input type="checkbox"/> FCCLA <input type="checkbox"/> FFA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: Spanish Club

Secondary

20
 * Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (ST) – Summit Technology Center
 (LLR) – Lex La-Ray Technical Center

Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org

Community College	Technical School/Training Institution	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Metropolitan Community College www.mccc.kc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Ozarks Tech Community College www.otc.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm</p> <p>Gibson Technical Center www.wolves.k12.mo.us/gtc</p> <p>Lake Career and Technical Center www.camdentonschools.org</p> <p>Lebanon Technology Career Center www.lebanon.k12.mo.us</p> <p>Macon Area Vocational Technical School www.macon.k12.mo.us/vocational</p> <p>Northland Career Center www.northlandcareercenter.com</p> <p>Northwest Tech School - www.maryville.k12.mo.us</p> <p>Nevada Regional Technical Center www.nevada.k12.mo.us.us</p> <p>Pemiscot County Career & Tech Ctr South Central Career Center www.wphs.k12.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri Valley College www.moval.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p> <p>Northwest Missouri State University www.nwmissouri.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Kansas City Art Institute www.kcaj.edu</p> <p>Lecole Culinnaire www.lecoleculinaire.com</p> <p>Midwestern Baptist Theological Seminary - www.mbtis.edu</p>

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Amusement and Recreation Workers</p> <p>Baggage Porters and Bellhops</p> <p>Barbers</p> <p>Casino Gaming Workers</p> <p>Chefs and Dinner Cooks</p> <p>Concierges</p> <p>Counter Attendants</p> <p>Fast Food Cooks</p> <p>Food Preparation Workers</p> <p>Hotel Desk Clerks</p> <p>Janitors and Cleaners</p> <p>Kitchen Helpers</p> <p>Maids and Housekeepers</p> <p>Professional Athletes</p> <p>Recreation Attendants</p> <p>Recreation Guides</p> <p>Recreation Workers</p> <p>Reservation and Ticket Agents</p> <p>Restaurant Hosts</p> <p>Tour Guides</p> <p>Umpires and Referees</p> <p>Waiters and Waitresses</p>	<p>Animal Trainers</p> <p>Casino Gaming Workers</p> <p>First-Line Supervisors/Managers of Housekeeping and Janitorial Workers</p> <p>Flight Attendants</p> <p>Food Service Managers</p> <p>Lodging Managers</p> <p>Reservation and Transportation Ticket Agents and Travel Clerks</p> <p>Residential Advisors</p> <p>Self Enrichment Education Teachers</p> <p>Travel Agents</p>	<p>Interpreters and Translators</p> <p>Meeting and Convention Planners</p> <p>Recreation Workers</p> <p>Set and Exhibit Designers</p> <p>Social and Community Service Managers</p>	<p>Farm and Home Management Advisors</p>



Odessa High School
Human Services
Career Cluster Program of Study Template
www.odessar7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY							
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs
9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Interpersonal Relationships Career & Family Leadership Foreign Language	N/A
10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History	Fine Art	Parenting & Child Development Foreign Language Broadcasting	N/A
11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Foods & Nutrition * Psychology * Sociology Law & You Speech & Debate Fundamentals of Marketing Becoming a Teacher Cadet Teaching Internship Principles of Leadership	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment <input type="checkbox"/> Other: _____ Placement Assessments: <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ Student Organizations: <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> FEA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: Spanish Club, Debate, History Club
12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III *College Algebra Calculus					

Secondary

* Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
(Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Community College	Technical School/Training Institution	In State	Missouri Western State University www.missouriwestern.edu Northwest Missouri State University www.nwmssouri.edu Ozark Christian College - www.occ.edu Park University - www.park.edu Rockhurst University www.rockhurst.edu Saint Louis Christian College www.slccolnline.edu St Louis College of Health Careers www.slchc.com Saint Louis Univ - www.imagine.stu.edu Sanford-Brown College www.sanford-browncollege.com Southeast MO State University www.semo.edu Southwest Baptist University www.sbutiv.edu Truman State Univ - www.truman.edu Univ of Central MO - www.ucmo.edu University of MO - Columbia www.missouri.edu University of MO - Kansas City www.umkc.edu Univ of MO - St Louis - www.ums.edu Vatterott College www.vatterott-college.edu Washington University - www.wusl.edu Webster University - www.websteruniv.edu Westminster College www.westminster-mo.edu William Woods University www.williamwoods.edu	Out of State/Other
Crowder College www.crowder.edu East Central College www.eastcentral.edu Metropolitan Community College www.mccc.edu St Louis Community College www.slcc.edu State Fair Community College www.sfccmo.edu	Colorado Technical University www.coloradotech.com Davis Hart Career Center www.mexicoschools.net Herndon Career Center www.herndoncareercenter.com Heritage Tech Institute www.hightechinstitute.edu Lex La-Ray Tech Center www.lexington.k12.mo.us Massage Therapy Training Institute www.massagetherapytraininginstitute.com Midwest Institute www.midwestinstitute.com Neosho Beauty College www.neosho.edu Paris II Educational Center - www.parisi.net Patsy & Robs Academy of Beauty www.praob.edu Pinnacle Career Institute www.pcittraining.edu Professional Massage Training Center www.pmtc.edu Regency Beauty Institute www.regencybeauty.com St Charles School of Massage Therapy www.dayspaacademy.net	Allied College - www.alliedcollege.edu Avila University - www.avila.edu Central Bible College - www.cbccag.edu Central Methodist University www.centralmethodist.edu College of the Ozarks - www.coto.edu Columbia College - www.ccis.edu Conception Seminary College www.conceptionabbey.org Culver-Stockton College www.culver.edu Drury University - www.drury.edu Evangel University - www.evangel.edu Fontbonne Univ - www.fontbonne.edu Hannibal-Lagrange College www.hlg.edu Lincoln University - www.lincolnu.edu Lindenwood Univ - www.lindenwood.edu Maryville University of St. Louis www.maryville.edu Messenger College www.messengercollege.edu Metro Business College www.metrobusinesscollege.edu Midwest University - www.midwest.edu Missouri Baptist Univ - www.mobap.edu Missouri College www.missouricollege.com Missouri College of Cosmetology www.missouricosmo.com MO Southern State University www.mssu.edu Missouri State University www.missouristate.edu Missouri Valley College www.moval.edu	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training <p>Aquinas Institute of Theology www.ai.edu Assemblies of God Theological Seminary - www.agts.edu Calvary Bible College & Theological Seminary - www.calvary.edu Chillicothe Beauty Academy www.chillicothebeautyacademy.com Concordia Seminary - www.csl.edu Cosmetology Concepts Institute www.cosmetology-concepts.com Covenant Theological Seminary www.covenantseminary.edu Eden Theological Seminary www.eden.edu Elaine Steven Beauty College www.elainestevenbeautycollege.com Grabber School of Hair Design www.grabberschool.com House of Heavlin Beauty College www.kc-hair.com Independence College of Cosmetology www.hair-skin-nails.com Kenrick Glennon Seminary www.kenrick.edu Merrill University of Beauty Arts & Science - www.merrilluniversity.edu Midwestern Baptist Theological Seminary - www.mbtts.edu Nazarene Theological Seminary www.nts.edu St Paul School of Theology www.spst.edu</p>	

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters 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	Addition 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

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org



Odessa High School
Information Technology
Career Cluster Program of Study Template
www.odessa7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY									
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.									
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs	Additional Learning Opportunities	
Secondary	9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Studio Art I Foreign Language	N/A	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment <input type="checkbox"/> Other: _____ Placement Assessments: <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ Student Organizations: <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> TSA <input type="checkbox"/> Other: Spanish Club, Art Club, Journalism
	10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History		Multimedia Intro to Computer Science Cyber Security Graphic Design Foreign Language	N/A	
	11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Python App Design Web Design Computer Graphics Broadcasting Journalism I/II Materials & Processing Engineering Design I/II	<input type="checkbox"/> Computer Maintenance & Networking (LLR) <input checked="" type="checkbox"/> Network Engineering (ST) <input checked="" type="checkbox"/> Software Development (ST) <input checked="" type="checkbox"/> Cyber Security (ST)	
	12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III *College Algebra Calculus						

³³ * Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Community College	Technical School/Training Institution	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>State Technical College www.statetechmo.edu</p> <p>Metropolitan Community College www.mccc.kc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Davis Hart Career Center www.mexicoschools.net</p> <p>Herndon Career Center www.herndoncareercenter.com</p> <p>Kirksville Area Tech Center www.kirksville.k12.mo.us</p> <p>Lex La-Ray Tech Center www.lexington.k12.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>A.T. Skill University of Health Sciences www.atsu.edu</p> <p>Avila University - www.avila.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>DeVry University - www.devry.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.com</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Hickey College - www.hickeycollege.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville Univ of St. Louis www.maryville.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College www.missouricollege.com</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p> <p>Missouri Valley College www.moval.edu</p>	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training <p>Colorado Technical University www.coloradotech.com</p> <p>Grantham University www.grantham.edu</p> <p>Kansas City Art Institute www.kcai.edu</p> <p>Midwest Institute www.midwestinstitute.com</p> <p>Missouri Tech www.motech.edu</p> <p>National American University www.national.edu</p> <p>Pinnacle Career Institute www.pcittraining.edu</p> <p>Texas County Technical Institute www.texascountytech.edu</p>

Postsecondary

On-the-Job Training or Less	Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Computer Operators</p> <p>Computer Support Specialists</p> <p>Network Systems and Data Communications Analysts</p> <p>Numerical Tool and Process Control Programmers</p> <p>Web Administrators</p> <p>Web Developers</p>	<p>Computer and Information Systems Managers</p> <p>Computer Engineers</p> <p>Computer Programmers</p> <p>Computer Security Specialists</p> <p>Computer Software Engineers</p> <p>Computer Systems Administrators</p> <p>Computer Systems Analysts</p> <p>Data Communications analysts</p> <p>Database Administrators</p> <p>Graphic Designers</p> <p>Multi-Media Artists and Animators</p> <p>Network and Computer Systems Administrators</p> <p>Software Quality Assurance Engineers and Testers</p>	<p>Computer and Information Systems Managers</p> <p>Computer Engineers</p> <p>Computer Programmers</p> <p>Computer Security Specialists</p> <p>Computer Software Engineers</p> <p>Computer Systems Administrators</p> <p>Computer Systems Analysts</p> <p>Data Communications analysts</p> <p>Database Administrators</p> <p>Graphic Designers</p> <p>Multi-Media Artists and Animators</p> <p>Network and Computer Systems Administrators</p> <p>Software Quality Assurance Engineers and Testers</p>	<p>Computer and Information Scientists, Research</p> <p>Computer Science Teachers, Postsecondary</p> <p>Engineering Managers</p>	<p>Computer and Information Scientists, Research</p> <p>Computer Science Teachers, Postsecondary</p> <p>Engineering Managers</p>



Odessa High School
Law, Public Safety, Corrections & Security
Career Cluster Program of Study Template
www.odessar7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY									
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.									
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs		
Secondary	9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Materials & Processing Foreign Language	N/A	Additional Learning Opportunities School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment <input type="checkbox"/> Other: _____ Placement Assessments: <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ Student Organizations: <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> Skills USA <input type="checkbox"/> TSA <input type="checkbox"/> Other: _____
	10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History	Fine Arts	Parenting & Child Development Principles of Leadership Foreign Language	N/A	
	11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Law & You * Psychology * Sociology * US History * Anatomy & Physiology * Criminal Justice Advanced Physics	♦ Emergency Medical Technician (Ft.O) ♦ Fire Science (Ft.O) CSI/Law Enforcement (Ft.O) * Cyber Security (ST)	
	12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III * College Algebra Calculus						

³⁵
 * Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Community College	Technical School/Training Institution	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>State Technical College www.statetechmo.edu</p> <p>Metropolitan Community College www.mccc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central MO College www.ncmissouri.edu</p> <p>Ozarks Tech Community College www.otc.edu</p> <p>St. Charles Community College www.sichas.edu</p> <p>St. Louis Community College www.slcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm</p> <p>Columbia Career Center www.career-center.org</p> <p>Grand River Tech School - www.grts.org</p> <p>Hillyard Technical Center www.hillyardtech.com</p> <p>Rolla Technical Institute www.rolla.k12.mo.us</p> <p>Sikeston Career and Technology Center www.sikeston.k12.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.com</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Hickey College www.hickeycollege.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville University of St. Louis www.maryville.edu</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p>	<ul style="list-style-type: none"> Apprenticeship Military On-the-Job Training <p>Allied College www.alliedcollege.du</p> <p>High Tech Institute www.hightechinstitute.edu</p> <p>National American University www.national.edu</p> <p>Texas County Technical Institute www.texascountytech.edu</p>

Postsecondary

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
<p>Ambulance Drivers</p> <p>Animal Control Workers</p> <p>Bailiffs</p> <p>Corrections Officers</p> <p>Court Clerks</p> <p>Crossing Guards</p> <p>Fire Fighters</p> <p>Forest Fire Fighters</p> <p>Gaming Surveillance Officers and Gaming Investigators</p> <p>Life Guards and Ski Patrolters</p> <p>Parking Enforcement Officers</p> <p>Parking Enforcement Workers</p> <p>Police, Fire, and Ambulance Dispatchers</p> <p>Security Guards</p> <p>Sheriffs</p> <p>Transportation Security Agents</p>	<p>Correctional Officers and Jailers</p> <p>Court Reporters</p> <p>Emergency Medical Technicians and Paramedics</p> <p>Fire Inspectors</p> <p>Fire Investigators</p> <p>First-Line Supervisors/Managers of Police and Detectives</p> <p>Forest Fire Fighting and Prevention Supervisors</p> <p>Forest Fire Inspectors and Prevention Specialists</p> <p>Legal Secretaries</p> <p>Municipal Fire Fighting and Prevention Supervisors</p> <p>Paralegals and Legal Assistants</p> <p>Police Detectives</p> <p>Police Identification and Records Officers</p> <p>Police Patrol Officers</p> <p>Private Detectives and Investigators</p> <p>Sheriffs and Deputy Sheriffs</p> <p>Title Examiners, Abstractors, and Searchers</p> <p>Transit and Railroad Police</p>	<p>Arbitrators and Mediators</p> <p>Coroners</p> <p>Correctional Treatment Specialists</p> <p>Criminal Investigators and Special Agents</p> <p>Emergency Management Specialists</p> <p>Forensic Science Technicians</p> <p>Immigration and Customs Inspectors</p> <p>Judges and Hearing Officers</p> <p>Law Clerks</p> <p>Probation Officers</p>	<p>Anthropology and Archeology Teachers, Postsecondary</p> <p>Child, Family, and School Social Workers</p> <p>Criminal Justice and Law Enforcement Teachers, Postsecondary</p> <p>Lawyer</p> <p>Psychology Teachers, Postsecondary</p>

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org



Odessa High School
Manufacturing
Career Cluster Program of Study Template
www.odessa7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY							
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs
9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Materials & Processing Studio Art I Foreign Language	N/A
10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History	Fine Arts	Woodworking Tech I Graphic Design Multimedia Intro to Computer Science Python	N/A
11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Mechanical & Architectural Design Engineering Design I/II Woodworking Tech III/III Advanced Physics Computer Graphics	◆◆ Industrial Welding (LLR) ◆◆ Automotive Technology (LLR) * Engineering Design & Development (ST) * Digital Electronics/Computer Integrated Manufacturing (ST) Aerospace Engineering(ST)
12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III *College Algebra Calculus					◆◆ Skills USA ◆◆ TSA Other: Spanish Club, Art Club, High Mileage Team

Secondary

School-Based:
 Career Research
 Internship
 Job Shadowing
 Service Learning Project
 Other: _____

Community Based:
 Mentorship
 Volunteer
 Part-time Employment
 Other: _____

Assessments/Certifications:
 Technical Skills Attainment
 Other: _____

Placement Assessments:
 ACT
 SAT
 ASVAB
 Other: _____

Student Organizations:
 Skills USA
 TSA
 Other: Spanish Club, Art Club, High Mileage Team

Community College	Technical School/Training Institution	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>State Technical College www.statetechmo.edu</p> <p>Metropolitan Community College www.mccc.kc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>St Louis Community College www.stfcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trccc.edu</p>	<p>Carrollton Area Career Center www.trojans.k12.mo.us</p> <p>Eidon Career Center www.eidoncareercenter.org</p> <p>Grand River Technical School www.grts.org</p> <p>Herndon Career Center www.herndoncareercenter.com</p> <p>Hillyard Technical Center www.hillyardtech.com</p> <p>Lamar Area VoTech www.lamar.k12.mo.us</p> <p>Lex La-Ray Tech Center www.lexington.k12.mo.us</p> <p>Kirksville Area Tech Center www.kirksville.k12.mo.us</p> <p>North Central Career Center www.shr2.k12.mo.us</p> <p>Northland Career Center www.northlandcareercenter.com</p> <p>Northwest Tech School www.maryville.k12.mo.us</p> <p>Perryville Area Career/Tech Center www.perryville.k12.mo.us</p> <p>Ranken Tech College - www.ranken.edu</p> <p>South Central Career Center www.wphs.k12.mo.us</p> <p>Southwest Area Career Center www.swacc.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College - www.everest-college.edu</p> <p>Fonbonne Univ - www.fonbonne.edu</p> <p>Hannibal-Lagrange College - www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Hickey College www.hickeycollege.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville Univ of St. Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College - www.missouricollege.com</p> <p>MO Southern State Univ - www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Colorado Technical University www.coloradotech.com</p> <p>DeVry University www.drury.edu</p> <p>Foley-Belsaw Institute www.foley-belsaw.com</p> <p>Grantham University www.grantham.edu</p> <p>National American University www.national.edu</p> <p>Texas County Technical Institute www.texascountytech.edu</p> <p>Wyoming Technical Institute www.wyotech.edu</p>

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org		
On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree
<p>Crane and Tower Operators</p> <p>Hoist and Winch Operators</p> <p>Locksmiths</p> <p>Machinists</p> <p>Metal and Plastic Processing Workers</p> <p>Operating Engineers and Construction Equipment Operators</p> <p>Painting and Coating Machine Operators</p> <p>Power Plant Operators</p> <p>Precision Assemblers</p> <p>Quality Control Inspectors</p> <p>Small Engine Mechanics</p> <p>Tailors</p> <p>Tire Building Machine Operators</p> <p>Tool and Die Makers</p> <p>Tool Grinders</p> <p>Upholsters</p> <p>Vehicle Painters</p> <p>Woodworking Machine Operators</p>	<p>Automotive Electronics Installers</p> <p>Computer, ATM, and Office Machine Repairers</p> <p>Electric Motor Repairers</p> <p>Home Electronics Repairers</p> <p>Industrial Electronics Repairers</p> <p>Jewelers</p> <p>Manufacturing Production Technicians</p> <p>Security and Fire Alarm Systems Installers</p> <p>Semiconductor Processing Operators</p> <p>Welders and Solderers</p> <p>Welding and Soldering Machine Operators</p>	<p>Chemical Engineers</p> <p>Occupational Health and Safety Specialists</p> <p>Safety Engineers</p>
Masters Degree or More		

Odessa High School
Marketing
Career Cluster Program of Study Template
www.odessar7.net



SUGGESTED COURSE OF HIGH SCHOOL STUDY							
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs
9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Fundamentals of Marketing Studio Art I Foreign Language	N/A
10	CPELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History		Entrepreneurship Sports Marketing Hospitality Management Travel & Tourism Computer Graphics Studio Art II Foreign Language	N/A
11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Marketing Research Advanced Marketing Marketing Internship Broadcasting Journalism I/II Accounting I/II Multimedia Graphic Design * Psychology * Sociology	* International Studies Academy (ST)
12	CPELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III * College Algebra Calculus					

Secondary

Additional Learning Opportunities

School-Based:
 Career Research
 Internship
 Job Shadowing
 Service Learning Project
 Other: _____

Community Based:
 Mentorship
 Volunteer
 Part-time Employment
 Other: _____

Assessments/Certifications:
 Technical Skills Attainment
 Other: _____

Placement Assessments:
 ACT
 SAT
 ASVAB
 Other: _____

Student Organizations:
 DECA
 FBLA
 FCCLA
 Other: Art Club, Spanish Club

³⁰
 * Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Community College	Technical School/Training Institution	In State	Out of State/Other
<p>East Central College www.eastcentral.edu</p> <p>Crowder College www.crowder.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Metropolitan Community College www.mccc.kc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>St Louis Community College www.stlcc.edu</p> <p>State Fair Community College www.sfccmo.edu</p> <p>Three Rivers Community College www.trcc.edu</p>	<p>Eldon Career Center - www.eldoncareercenter.org</p> <p>Hannibal Career and Technical Center www.hannibaltec.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p> <p>Northwest Tech School www.marvill.k12.mo.us</p> <p>Rankin Tech College - www.rankin.edu</p>	<p>Avila University - www.avila.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College www.culver.edu</p> <p>DeVry University - www.devry.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College www.everest-college.com</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville University of St. Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College www.missouricollege.com</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State University – West Plains www.wp.missouristate.edu</p> <p>Missouri Valley College www.moval.edu</p>	<p>Missouri Western State University www.missouriwestern.edu</p> <p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Patricia Stevens College www.patriciastevenscollege.edu</p> <p>Rockhurst University - www.rockhurst.edu</p> <p>Saint Louis University www.imagine.stu.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>Southeast MO State Univ - www.semo.edu</p> <p>Southwest Baptist Univ - www.sbumiv.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>Univ of MO – Columbia - www.missouri.edu</p> <p>Univ of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – Rolla – www.umr.edu</p> <p>Univ of MO – St Louis - www.umsl.edu</p> <p>Univ of Phoenix – www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster University - www.websteruniv.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org	
On-the-Job Training or Less	Masters Degree or More
<p>Advertising Salespeople</p> <p>Buyers and Purchasing Agents</p> <p>Cashiers</p> <p>Counter and Rental Clerks</p> <p>Demonstrators and Promoters</p> <p>Floral Designers</p> <p>Merchandise Displayers</p> <p>Models</p> <p>Opticians</p> <p>Parts Salespeople</p> <p>Retail Salespeople</p> <p>Route Salespeople</p> <p>Telemarketers</p>	<p>Business Teacher, Postsecondary</p> <p>Marketing Managers</p> <p>Public Relations Managers</p> <p>Purchasing Managers</p> <p>Sales Managers</p>
Bachelors Degree	Masters Degree or More
<p>Art Directors</p> <p>Editors</p> <p>Market Research Analysts</p> <p>Public Relations Specialists</p> <p>Sales Managers</p> <p>Sales Representatives</p> <p>Survey Researchers</p> <p>Technical Writers</p>	<p>Business Teacher, Postsecondary</p> <p>Marketing Managers</p> <p>Public Relations Managers</p> <p>Purchasing Managers</p> <p>Sales Managers</p>
Technical Training or Associate Degree	Masters Degree or More
<p>Advertising Sales Agents</p> <p>Assessors</p> <p>Fashion Designers</p> <p>Interior Designers</p> <p>Lodging Managers</p> <p>Property, Real Estate, and Community Association Managers</p> <p>Real Estate Brokers</p> <p>Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products</p> <p>Travel Agents</p> <p>Travel Guides</p> <p>Wholesale and Retail Buyers, Except Farm Products</p>	<p>Business Teacher, Postsecondary</p> <p>Marketing Managers</p> <p>Public Relations Managers</p> <p>Purchasing Managers</p> <p>Sales Managers</p>



Odessa High School
Science, Technology, Engineering & Mathematics
Career Cluster Program of Study Template
www.odessa7.net

*Science, Technology,
 Engineering & Mathematics*

SUGGESTED COURSE OF HIGH SCHOOL STUDY

It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.

Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs	Additional Learning Opportunities
Secondary	9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Materials & Processing N/A	School-Based: <input type="checkbox"/> Career Research <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____ Community Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____ Assessments/Certifications: <input type="checkbox"/> Technical Skills Attainment <input type="checkbox"/> Other: _____ Placement Assessments: <input type="checkbox"/> ACT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> Other: _____ Student Organizations: <input type="checkbox"/> FBLA <input type="checkbox"/> TSA <input type="checkbox"/> Skills USA <input type="checkbox"/> Other: High Mileage Team, Math Relays _____
	10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History	Fine Art	Engineering Design I Mechanical & Architectural Design Intro to Computer Science Python Multimedia N/A	
	11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Advanced Physics * College Chemistry * Anatomy & Physiology * Ecology Engineering Design II/III	* Digital Electronics/ Computer Integrated Manufacturing (ST) * Engineering Design & Development (ST) Aerospace Engineering (ST) * Software Development (ST) * Network Engineering (ST) * Medical Interventions/ Biomedical Innovations (ST) * Executive Finance & Fintech (ST)
	12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III * College Algebra Calculus					

* Dual Credit ♦ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Community College	Technical School/Training Institution	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>Metropolitan Community College www.mccc.kc.edu</p> <p>St. Charles Community College www.stchas.edu</p> <p>St Louis Community College www.stlcc.edu</p>	<p>Missouri Tech www.motech.edu</p>	<p>Avila University - www.avila.edu</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.coto.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College www.culver.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville University of St. Louis www.maryville.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>MO Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>MO University of Science & Technology www.mst.edu</p> <p>Missouri Western State University www.missouriwestern.edu</p>	<ul style="list-style-type: none"> • Apprenticeship • Military • On-the-Job Training <p>Grantham University www.grantham.edu</p>
<p>42</p> <p>Postsecondary</p>		<p>Northwest Missouri State University www.nwmissouri.edu</p> <p>Park University - www.park.edu</p> <p>Rockhurst University www.rockhurst.edu</p> <p>Saint Louis University www.imagine.stu.edu</p> <p>Southeast MO State University www.semo.edu</p> <p>Southwest Baptist University www.sbumiv.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>Univ of Central MO - www.ucmo.edu</p> <p>University of MO – Columbia www.missouri.edu</p> <p>University of MO – Kansas City www.umkc.edu</p> <p>Univ of MO – Rolla – www.UMR.edu</p> <p>Univ of MO – St Louis - www.UMS.edu</p> <p>Washington University - www.wustl.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p>	

On-the-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
	<p>Electronics Engineering Technologists</p> <p>Engineering Technicians</p> <p>Manufacturing Engineering Technologists</p> <p>Science Technicians</p>	<p>Aerospace Engineers</p> <p>Biomedical Engineers</p> <p>Cartographers</p> <p>Chemists</p> <p>Civil Engineers</p> <p>Electrical and Electronics Engineers</p> <p>Energy Engineers</p> <p>Environmental Engineers</p> <p>Geospatial Information Scientists and Technologists</p> <p>Industrial Engineers</p> <p>Manufacturing Engineers</p> <p>Materials Engineers</p> <p>Mechanical Engineers</p> <p>Meteorologists</p> <p>Mining Engineers</p> <p>Nuclear Engineers</p> <p>Petroleum Engineers</p> <p>Photonics Engineers</p> <p>Remote Sensing Scientists and Technologists</p>	<p>Anthropologists</p> <p>Archeologists</p> <p>Astronomers</p> <p>Biologists</p> <p>Environmental Scientists</p> <p>Geographers</p> <p>Geologists and Geophysicists</p> <p>Historians</p> <p>Mathematicians</p> <p>Physicists</p> <p>Political Scientists</p> <p>Robotics Engineers</p> <p>Sociologists</p>



Odessa High School
Transportation, Distribution & Logistics
Career Cluster Program of Study Template
www.odessar7.net

SUGGESTED COURSE OF HIGH SCHOOL STUDY							
It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.							
Grade	English (4)	Math (4)	Science (3)	Social Studies (3)	Additional Required Courses	Career Major Electives	Area Career Center Programs
9	CP ELA I	Algebra A Algebra I Geometry	Physics & Earth	World History	Health Computer Apps	Materials & Processing Foreign Language	
10	CP ELA II Honors ELA II	Algebra B Geometry Algebra II	Chemistry	American History	Fine Art	Engineering Design I Woodworking Tech I Multimedia Intro to Computer Science Foreign Language	
11	CP ELA III Honors ELA III	Geometry Algebra II Trig & Pre-Calc	Biology	American Government	Personal Finance Public Speaking	Mechanical & Architectural Design Engineering Design II/III Woodworking Tech II/III	◆ Collision Repair (LLR) ◆ Automotive Technology (LLR)
12	CP ELA IV *Composition I/II	Algebra II Trig & Pre-Calc Financial Algebra Algebra III *College Algebra Calculus					◆ Student Organizations: <input type="checkbox"/> FBLA <input type="checkbox"/> Skills USA <input type="checkbox"/> TSA <input type="checkbox"/> Other: High Mileage Team, Spanish Club

Secondary

43
 * Dual Credit ◆ Articulated Credit ■ Embedded Credit (1 credit in English & math after completing 2 years at ACC)
 (Ft. O) – Ft. Osage Technical Center (LLR) – Lex La-Ray Technical Center (ST) – Summit Technology Center

Postsecondary Offerings – For A Complete List of Colleges, go to www.missouriconnections.org

Community College	Technical School/Training Institutions	In State	Out of State/Other
<p>Crowder College www.crowder.edu</p> <p>East Central College www.eastcentral.edu</p> <p>Hannibal-Lagrange College www.hlg.edu</p> <p>Jefferson College www.jeffco.edu</p> <p>State Technical College www.statetechmo.edu</p> <p>Metropolitan Community College www.mccc.edu</p> <p>Mineral Area College www.mineralarea.edu</p> <p>Moberly Area Community College www.macc.edu</p> <p>North Central Missouri College www.ncmissouri.edu</p> <p>Ozarks Technical Comm College www.otcc.edu</p> <p>Ranken Technical College www.ranken.edu</p> <p>Sanford-Brown College www.sanford-browncollege.com</p> <p>St Louis Community College www.slcc.edu</p> <p>State Fair Community College www.sfcemo.edu</p>	<p>Cape Girardeau Career/Tech Center www.cape.k12.mo.us/cc/default.htm</p> <p>Clinton Tech School - www.clinton.k12.mo.us</p> <p>Davis Hart Career Ctr - www.mexicoschools.net</p> <p>Eldon Career Ctr - www.eldoncareercenter.org</p> <p>Four Rivers Career Center www.washington.k12.mo.us</p> <p>Franklin Technology - MSSU www.ftcoppin.com</p> <p>Gibson Tech Ctr - www.wolves.k12.mo.us/gtc</p> <p>Grand River Technical School - www.grts.org</p> <p>Hannibal Career and Technical Center www.hannibal.tec.mo.us</p> <p>Herridon Career Center www.herridoncareercenter.com</p> <p>Hillyard Technical Ctr - www.hillyardtech.com</p> <p>Kirksville Area Tech Ctr - www.kirksville.k12.mo.us</p> <p>Lake Career and Technical Center www.camdentonschools.org</p> <p>Lebanon Technology and Career Ctr www.lebanon.k12.mo.us/lfcc</p> <p>Lex La-Ray Tech Ctr www.lexington.k12.mo.us</p> <p>Nichols Career Center - www.jcps.k12.mo.us</p> <p>Northland Career Center www.northlandcareercenter.com</p> <p>Northwest Tech School www.maryville.k12.mo.us</p> <p>Pike-Lincoln Tech Ctr www.pltc.k12.mo.us</p> <p>Rolla Tech Institute - www.rolla.k12.mo.us</p> <p>Saline County Career Center www.marshallschools.com/sccc</p> <p>Sikeston Career & Technology Center www.sikeston.k12.mo.us</p> <p>South Central Career Ctr - www.wphs.k12.mo.us</p> <p>Waynesville Technical Academy www.waynesville.k12.mo.us</p>	<p>Avila University - www.avila.edu</p> <p>Baptist Bible College - www.baptist.edu</p> <p>Bryan College - www.bryancollege.com</p> <p>Central Methodist University www.centralmethodist.edu</p> <p>College of the Ozarks - www.cofc.edu</p> <p>Columbia College - www.ccis.edu</p> <p>Culver-Stockton College - www.culver.edu</p> <p>DeVry University - www.devry.edu</p> <p>Drury University - www.drury.edu</p> <p>Evangel University - www.evangel.edu</p> <p>Everest College - www.everest-college.edu</p> <p>Fontbonne Univ - www.fontbonne.edu</p> <p>Grantham Univ - www.grantham.edu</p> <p>Harris-Stowe State Univ - www.hssu.edu</p> <p>Lincoln University - www.lincolnu.edu</p> <p>Lindenwood Univ - www.lindenwood.edu</p> <p>Maryville University of Saint Louis www.maryville.edu</p> <p>Messenger College www.messengercollege.edu</p> <p>Missouri Baptist Univ - www.mobap.edu</p> <p>Missouri College www.missouricollege.com</p> <p>Missouri Southern State University www.mssu.edu</p> <p>Missouri State University www.missouristate.edu</p> <p>Missouri State Univ – West Plains www.wp.missouristate.edu</p> <p>Missouri University of Science & Tech www.mst.edu</p>	<p>Missouri Western State University www.missouriwestern.edu</p> <p>Northwest Missouri State University www.nwmssu.edu</p> <p>Park University - www.park.edu</p> <p>Rockhurst Univ - www.rockhurst.edu</p> <p>Patricia Stevens College www.patriciastevenscollege.edu</p> <p>St. Louis Univ - www.imagine.slu.edu</p> <p>Southwest Missouri State University www.semo.edu</p> <p>Southwest Baptist University www.sbu.edu</p> <p>Stephens College - www.stephens.edu</p> <p>Truman State Univ - www.truman.edu</p> <p>University of Central MO - www.ucmo.edu</p> <p>University of Missouri – Columbia www.missouri.edu</p> <p>University of Missouri – Kansas City www.umkc.edu</p> <p>University of Missouri – St Louis www.umsl.edu</p> <p>Univ of Phoenix - www.phoenix.edu</p> <p>Vatterott College www.vatterott-college.edu</p> <p>Washington University - www.wustl.edu</p> <p>Webster Univ - www.websteruniv.edu</p> <p>Westminster College www.westminster-mo.edu</p> <p>William Jewell College - www.jewell.edu</p> <p>William Woods University www.williamwoods.edu</p>

Postsecondary

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org	
On-the-Job Training or Less	Technical Training or Associate Degree
<p>Air Traffic Controllers and Flight Attendants</p> <p>Auto Body Repairers</p> <p>Bicycle Repairers</p> <p>Bus Drivers and School Bus Drivers</p> <p>Dispatchers and Traffic Technicians</p> <p>Freight Handlers</p> <p>Heavy Equipment Mechanics</p> <p>Heavy Truck Drivers</p> <p>Motorboat & Motorcycle Mechanics</p> <p>Parking Lot Attendants</p> <p>Riggers</p> <p>Service Station Attendants, Tire Repairers and Changers</p> <p>Transportation Agents</p>	<p>Aircraft Mechanic</p> <p>Automobile Mechanics</p> <p>Bus and Truck Mechanics and Diesel Engine Specialists</p> <p>Electrical/Electronics Installers/Repairers, Transportation Equipment</p> <p>Electronic Equipment Installers/Repairers, Motor Vehicles and Material Movers, Hand</p> <p>First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand</p> <p>First-Line Supervisors/Managers of Transportation Material-Moving Machine and Vehicle Operators</p> <p>Motorboat Mechanics and Motorcycle Mechanics</p> <p>Signal and Track Switch Repairers</p> <p>Traffic Technicians</p> <p>Transportation Vehicle, Equipment/Systems Inspectors</p>
<p>On-the-Job Training or Less</p>	<p>Bachelors Degree</p> <p>Chief Executive</p> <p>Airline Pilot</p> <p>Logisticians</p> <p>Storage and Distribution Managers</p>
<p>Out of State/Other</p>	<p>Masters Degree or More</p>

OHS COURSE INFORMATION

Weighting System: Core area courses which are above the Coordinating Board of Higher Education requirements for entrance into Missouri's four-year colleges/universities are weighted. In each of the following courses, a 0.333 quality point will be added to each semester grade and be factored into the student's GPA:

Honors Language II & III, DC Composition I/II, DC Public Speaking
Trigonometry & Pre-Calculus, Calculus, DC College Algebra
DC Anatomy & Physiology, Adv. Physics, DC College Chemistry, DC Biology
DC US History, DC Sociology/Psychology, DC Criminal Justice
Spanish III & IV, Becoming a Teacher, Cadet Teaching Internship
Courses at Summit Technology Campus receive weighted credit

Dual Credit: These courses offer students the opportunity to earn college credit at a significantly reduced cost while still in high school. These college-level courses are taught either by a high school teacher or online via college professors. Students must meet the specific eligibility requirements of the corresponding university in order to enroll in the course. The fees vary for each of the courses based on the university and amount of credits earned and are payable by the student. Students are also responsible for all required course materials: textbooks, online access fees, etc. Students are recommended to check with their perspective college/university to determine transferability of dual credit.

LANGUAGE ARTS

The following courses count as Language Arts credits unless noted

NOTE: Any student that does not pass a required Language Arts class must repeat the course or complete the course through credit recovery before or while moving on to the next course.

College Prep English Language Arts I: Grade 9 (1 credit-meets daily entire year)

This course is divided into three main categories: Grammar, Composition, and Literature. The basic fundamentals of grammar consisting of the parts of speech and sentence construction will be covered. Creative and expository writing will be incorporated into grammar and literature units. Material is covered in thematic units that consist of short stories, poetry, drama, nonfiction, and will include introduction to research and speech.

College Prep English Language Arts II: Grade 10 (1 credit-meets daily entire year)

This course is divided into three categories: Grammar, Composition, and Literature. In grammar, students will be expected to master the parts of speech, sentence structure, capitalization, and punctuation. In composition, students will be assigned various writing activities including formal papers. In literature, students complete thematic units that consist of short stories, plays, poetry, nonfiction, and novels.

Honors English Language Arts II: Grade 10 (1 credit-meets daily entire year)

Weighted Course

Pre-requisite: Recommendation from CP ELA I teacher & Classic Literature Analysis. This course is designed for the academically talented student to further develop writing and literary analysis skills. Key components within instruction of effective composition include structure, style, tone, voice, purpose, usage, and mechanics. Timed writing and critical essay responses will help gauge the students' progress and growth. Students will study grammar, usage, and mechanics for increased understanding and more precise writing. Researching, evaluating information, and synthesizing findings, along with competent utilization of MLA format for documentation, are also integral to the course. Classical reading analysis must be submitted on the first day of class.

College Prep English Language Arts III: Grade 11 (1 credit-meets daily entire year)

This course is divided into four main categories: Grammar, Composition, Literature, and ACT Prep. In grammar, students will continue mastering parts of speech, sentence structure, and punctuation. Composition consists of continuing to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and learn the techniques of writing research papers. The course includes studies of American Literature in various literary genres: short story, poetry, novel, drama, and non-fiction. Students will practice and reinforce skills needed to score well on ACT Reading, English, and Writing tests.

Honors English Language Arts III: Grade 11 (1 credit-meets daily entire year)

Weighted Course

Pre-requisite: Recommendation from current Honors ELA II teacher or Honors ELA III teacher & Classic Literature Analysis.

This advanced course is designed to further develop and enhance writing skills by understanding and employing effective writing techniques. Early American Literature is the focus. Timed writing responses and critical essay analysis will help gauge and evaluate student progress. Researching and synthesizing information into a coherent composition using MLA format is also integral to the course, as well as a more concentrated emphasis on grammar and usage.

College Prep English Language Arts IV: Grade 12 (1 credit-meets daily entire year)

There are two major components to this course that will alternate throughout the school year. One component of the class is designed to provide college-bound students opportunities for continued development of reading comprehension and writing skills. Topics include, but are not limited to, novels, short stories, poetry, and drama. The other component of the class is the Senior Project that consists of a student-created presentation that demonstrates further academic pursuit, social service, career exploration, and/or creative endeavor resulting in helping the student become more educated, active, and productive member of their community. Students will propose a project, research the topic, devote 25 hours of outside school time working on the project, and present a PowerPoint presentation and product.

Dual Credit Composition I/II: Grade 12 (1 credit & 3 college hours-meets daily entire year)

Weighted Course

Pre-requisite: 3.0 GPA & minimum score of 18 on English subsection of ACT (must be met prior to enrollment). This online course follows UCM's composition curriculum. Students must enroll in both Composition I & II to earn full English credit. **Tuition fee** set by college and payable by the student.

Journalism I: Grade 10-12 (1 practical art credit-meets daily entire year)

Pre-requisite: B average in Language Arts, Computer Applications, application & teacher approval. This course introduces the basic skills of journalism, including all aspects of newspaper publication, and introduction to yearbook design. Students will publish a monthly newspaper, THE GROWLER.

Journalism II/III: Grade 11-12 (1 practical art credit-meets daily entire year)

Pre-requisite: Journalism I/II, B average in Language Arts, application & teacher approval. These courses further develop a yearbook from start to finish.

Public Speaking: Grade 11-12 (1/2 public speaking credit-meets daily one semester)

Pre-requisite: Language Arts I & II. This course will introduce students to speech communication. It will provide the student with an opportunity to use basic skills needed in everyday communication such as job interviews and interpersonal communication as well as formal speaking situations.

Speech & Debate/Competitive Theater: Grade 9-12 (1 elective credit-meets daily entire year)

This course focuses on speaking, performing, and debating in front of an audience in a competitive setting and is geared for students on the speech and debate team. Students are required to attend a minimum of two tournaments a semester in which they will perform competitively. Students will use class time to practice areas of speech including storytelling, poetry, prose, dramatic & humorous interpretation, original oratory, duet improvisation, and debate. Enrollment in this course means you have joined the Speech & Debate team for one year. **Completion of full year is recognized as meeting Public Speaking graduation requirement.**

Broadcasting: Grade 10-12 (1 elective credit-meets daily entire year)

This course will explore the industry of Broadcast Media. Students learn the basics of broadcast production, including writing, producing and computer editing a broadcast. Students receive training in videography, cinematography, and editing techniques using technology to create various broadcasts for the class and the school. Students sharpen news judgment and leadership skills by producing television newscasts, creating digital content, and using social media. They will make decisions about news coverage, stories and presentation while managing reporters, anchors, interviewers, writers, editors and many others under deadline pressure. Students will develop their skills through a series of in-class exercises, studio and field experiences, and critical evaluations of past and present production styles

MATHEMATICS

The following courses count as Mathematics credits

NOTE: Course placement is determined by teachers based on their performance on placement exams or in previous classes. Any student that does not pass a required Mathematics course must repeat the course or complete the course through credit recovery before or while moving on to the next course.

Algebra A: Grades 9-12 (1 credit-meets daily entire year)

This course covers the first semester of traditional Algebra I. This gives the opportunity for a student to take Algebra I over a 2 year period. Algebra is the study of the relations and properties of numbers by means of letters and symbols in solving equations and other mathematical problems.

Algebra I: Grades 9-12 (1 credit-meets daily entire year)

Algebra is the study of the relations and properties of numbers by means of letters and symbols in solving equations and other mathematical problems.

Geometry: Grades 9-12 (1 credit-meets daily entire year)

Plane geometry is a course that will enhance reasoning ability through a logical approach to problem solving, proofs, and spatial sense related to 2-dimensional and 3-dimensional figures.

Algebra B: Grades 10-12 (1 credit-meets daily entire year)

This course covers the second semester of traditional Algebra I. This gives the opportunity for a student to take Algebra I over a 2 year period. Algebra is the study of the relations and properties of numbers by means of letters and symbols in solving equations and other mathematical problems.

Algebra II: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: Geometry and Algebra I. This course is an extension of Algebra I. Previously learned concepts are expanded and new topics are also presented. Topics include systems of equations, properties of functions, quadratic functions, polynomial functions, radicals, complex numbers, exponential and logarithmic functions, and data analysis.

Financial Algebra: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Algebra II. This course will extend and strengthen students' algebra skills by applying these skills to a variety of financial topics relevant to young adults. Real-life context will be emphasized in all units with frequent opportunities for personal application.

Trigonometry & Pre-Calculus: Grades 11-12 (1 credit-meets daily entire year)

Weighted Course

Pre-requisite: Algebra II. Half of this course is devoted to trigonometry, which is the study of the theories and formulas based on the relationships between the sides and angles of triangles. The other half of the course is pre-calculus. Topics will include: coordinate and analytic geometry, exponents and logarithms, matrices, and other extensions of algebra.

Algebra III: Grade 12 (1 credit-meets daily entire year)

Pre-requisite: Algebra II & teacher recommendation. This course is designed for the college-bound students that are not taking College Algebra or Trigonometry & Pre-Calculus. This will be the study of equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, matrices and determinants, and the conic sections.

Calculus: Grade 12 (1 credit & 5 college hours-meets daily entire year)

Weighted Course

Pre-requisite: Trigonometry & Pre-Calculus. This course utilizes concepts learned in Algebra, Geometry, and Math Analysis as tools in a completely different and unique branch of mathematics. Topics covered will include limits, continuity, the derivative, curve sketching, maxima and minima, velocity and acceleration, periodic (circular or trigonometric) functions, exponential functions, integration, and logarithms. The use of calculus greatly expands the types of problems that can be worked mathematically and is therefore a key to the study of engineering and advanced science.

Dual Credit College Algebra: Grade 12 (1 credit & 3 college hours-meets daily entire year)

Weighted Course

Pre-requisite: 3.0 GPA and ACT math score 22+. This course is taught in classroom first semester and the second semester portion is provided via an online platform from the college/university. College Algebra is a study of equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, matrices and determinants, and the conic sections. **Tuition fee** set by university and payable by the student.

SCIENCE

The following courses count as Science credits unless noted

NOTE: Any student that does not pass a required Science class must repeat the course or complete the course through credit recovery before or while moving on to the next course.

Physics & Earth Science: Grade 9 (1 credit-meets daily entire year)

Physics is the study of force, motion and energy. Forces involved in motion, laws of motion and various forms and sources of energy are explored. Earth Science is the study of the Earth's systems. Areas of study include: Earth's atmosphere, weather, Earth's crust, changes that occur in the Earth and human impact on the Earth, along with the universe.

Chemistry: Grade 10 (1 credit-meets daily entire year)

This course is designed to help students develop an understanding of the composition, structure, and properties of matter and the transformation that they undergo; including the rates, equilibrium, and energy changes associated with chemical reactions. Laboratory components to reinforce concepts from lecture and to develop proper lab techniques and safety procedures.

Biology: Grade 11 (1 credit - meets daily entire year)

Biology is a course designed to give students a basic knowledge of the science of biology. Topics to be studied include biochemistry, cell structure and function, genetics, and ecology. At the end of the course, students are required to take an End Of Course (EOC) exam that will be worth 10% of their grade. Dissections will occur at the end of the year after the EOC exam.

Astronomy: Grades 11-12 (1/2 elective credit-meets daily first semester)

A survey of modern astronomy introducing topics, from the history of astronomy, the nature of planetary systems (particularly our own Solar System), as well as the nature and evolution of stars, galaxies, and the Universe, and the methods and technology used to explore planetary and stellar processes.

Meteorology: Grades 11-12 (1/2 elective credit-meets daily second semester)

This course focuses on introducing the student to basic concepts involved in the analysis of weather phenomena on a global and local scale. Course includes a study of the interaction of the Earth's atmosphere with the land, oceans, and life on Earth. Major topics include structure of the atmosphere and the role of moisture in the development of dew, clouds, and precipitation; air masses, fronts, cyclones, thunderstorms, tornadoes, and hurricanes, and very basic weather forecasting techniques.

Anatomy & Physiology: Grades 11-12 (1 elective credit-meets daily entire year)

Weighted Course

Pre-requisite: Completion of Biology with a B average or Anatomy teacher approval. This course is designed to cover the basics of anatomy and physiology and will include a detailed look into the body's organs and systems. Topics to be studied will include levels of organization, body cell types, and an overview of all the body's tissues, organs, and systems. Dissection is required and will play an important role in this course, especially in the second semester. This course has the option to be taken as Dual Credit through UCM. Tuition fee set by university and payable by the student.

Advanced Physics: Grades 11-12 (1 elective credit-meets daily entire year)

Weighted Course

Pre-requisite: Algebra II and Trig & Pre-Calc (can take concurrently). This course discusses technology and the laws of nature within which technology must operate. This course contains the materials that are found in a typical college Physics course, but at a pace appropriate for high school. A laboratory component of the Physics course will be used to reinforce concepts from the lecture as well as developing observational skills necessary to analyze events of natural occurrences.

Ecology: Grades 11-12 (1 elective credit-meets daily entire year)

Weighted Course

Pre-requisites: Completion of Biology with a B average or Ecology teacher approval. This course is designed to cover the basics of ecology. Topics to be covered will include climate and abiotic environments, nutrient and energy flow, biogeography and biodiversity, community interactions, population dynamics, an overview of ecosystems, and plant and animal adaptations, among other things. Additionally, we will conduct a book study of the novel *Ishmael*. This course has the option to be taken as Dual Credit through UCM. Tuition fee set by university and payable by the student.

DC General Chemistry: Grades 11-12 (1 elective credit-meets daily entire year)

Weighted Course

Pre-requisite: Completion of Chemistry and Algebra II with B average and teacher approval. This course is taught in classroom first semester and the second semester portion is provided via an online platform from the college/university. Subjects include atomic structure, solution chemistry, acids and bases, chemical equilibriums, solubility, thermochemistry and equilibrium.

Tuition fee set by university and payable by the student.

SOCIAL STUDIES

The following courses count as Social Studies credits unless noted

NOTE: Any student that does not pass a required Social Studies class must repeat the course or complete the course through credit recovery before or while moving on to the next course.

World History: Grade 9 (1 credit-meets daily entire year)

This course will cover the events of modern history starting with the 1300s and continuing to the present. Examples of these topics include the Renaissance, the Reformation, Enlightenment Period, European monarchies, the French Revolution, the World Wars, and the Cold War. The course will also incorporate the study of American history, geography, and current events in connection with major topics.

American History: Grade 10 (1 credit-meets daily entire year)

This course is an in-depth study of the events that have affected the development of the United States from Reconstruction to the present administration. Students will be responsible for key issues and concepts in the development of the United States and their effect throughout the world.

American Government: Grade 11 (1 credit-meets daily entire year)

This course will include instruction in the institutions, branches and functions of federal and state governments. Events leading to the development of the US Constitution will also be included. This course will also cover issues with an emphasis on governance systems, and basic fundamental economic concepts. Students must also satisfactorily pass tests over the US and MO Constitutions to be eligible for graduation from high school and to pass this course.

Law and You: Grades 11-12 (1/2 elective credit-meets daily first semester)

Topics for class discussion and work will include: Bill of Rights, courtroom procedures, juvenile justice, probation & parole, responsibilities of citizens, police procedures, and crime scene investigations. The coursework will involve a variety of strategies such as labs, guest speakers, cooperative learning, and possibly a field trip.

History of Media: Grades 11-12 (1/2 elective credit-meets daily second semester)

This course will examine major media: print, radio, film, television, and the internet. This course will analyze the role each of these media has played in shaping history.

Psychology: Grades 11-12 (1/2 elective credit-meets daily first semester)

Psychology is the emphasis developing self-awareness through the study of personality, motivation, emotions, and human growth and development. Students also study factors of mental health and theories in the field.

Sociology: Grades 11-12 (1/2 elective credit-meets daily second semester)

This course is a study of human relationships. Various social problems such as education, crime, prejudice, work-place relations, and marriage and the family are considered.

DC US History to 1877: Grades 11-12 (1/2 elective credit & 3 college hours-meets daily first semester) **Weighted Course**

This online course follows UCM's curriculum and is a survey of U.S. history from the age of exploration to 1877. **Tuition fee** set by university and payable by the student.

DC US History from 1877: Grades 11-12 (1/2 elective credit & 3 college hours-meets daily 2nd semester) **Weighted Course**

This online course follows UCM's curriculum and is a survey of U.S. history from 1877 to the present. **Tuition fee** set by university and payable by the student.

DC Psychology: Grades 11-12 (1/2 elective credit & 3 college hours-meets daily first semester) **Weighted Course**

This online course follows UCM's curriculum. **Tuition fee** set by university and payable by the student.

DC Sociology: Grades 11-12 (1/2 elective credit & 3 college hours-meets daily second semester) **Weighted Course**

This online course follows UCM's curriculum. **Tuition fee** set by university and payable by the student.

DC Criminal Justice: Grades 11-12 (1/2 elective credit & 3 college hours-meets daily first semester) **Weighted Course**

This online course follows UCM's curriculum. **Tuition fee** set by university and payable by the student.

FOREIGN LANGUAGE

The following courses count as elective credits

NOTE: Students planning to attend any University of Missouri System school are required to take two years of a foreign language.

Spanish I: Grades 9-12 (1 credit-meets daily entire year)

Pre-requisite: C average in previous English course. This course will introduce students to basic vocabulary and grammar, basic communication with learned phrases, and simple questions and answers in Spanish. Students will acquire an understanding of the customs and traditions of the Spanish-speaking world.

Spanish II: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: Spanish I with a C average. This course is a continuation of Spanish I, emphasizing the ability to narrate events in the past. Students will increase and improve their reading, writing, listening, and speaking skills in Spanish. Students will continue to acquire an understanding of Hispanic culture and customs.

Spanish III/DC Spanish 101: Grades 11-12 (1 credit & 4 college hours-meets daily entire year)

Weighted Course

Pre-requisite: 3.0 GPA and B average in Spanish II. This is a continuation of Spanish II with an emphasis on obtaining advanced skills and specific knowledge of spoken and written language. Hispanic culture and customs will be discussed. **Tuition fee** set by university and payable by the student in August.

Spanish IV/DC Spanish 102: Grade 12 (1 credit & 4 college hours-meets daily entire year)

Weighted Course

Pre-requisite: 3.0 GPA and B average in Spanish III. This is a continuation of Spanish III with a greater emphasis on obtaining advanced skills and specific knowledge of spoken and written language. This course will focus on use of different tenses and moods such as imperfect, future, conditional, subjective and imperative. Students will continue to acquire and understanding of Hispanic culture and customs. **Tuition fee** set by university and payable by the student in August.

HEALTH/PHYSICAL EDUCATION

The following courses count as PE or elective credits.

NOTE: Students may only take one PE course per semester unless they are in 12th grade.

Health: Grade 9 (1/2 credit-meets daily one semester)

This health course is designed to meet the needs of the high school student in the areas of mental, emotional and physical well-being and safety. This course includes an emphasis on healthy life styles and prevention of substance abuse, at-risk sexual behavior, STDS, AIDS, communicable diseases and pregnancy. Other topics include: decision-making, relationships, bullying, injury prevention, body systems, nutrition, fitness and wellness.

Physical Education: Grades 9-12 (1 credit-meets daily entire year)

Through team sports students will have the opportunity to learn and develop responsibility, leadership, cooperation, competitiveness, sportsmanship, and proper hygiene and hopefully instill an appreciation for and a desire to exercise and have fun. Activities include: physical fitness testing, basketball, volleyball, softball, soccer, team handball, floor hockey, and flag football. Students must dress appropriately, participate in a positive manner, and complete written and skills tests.

Weight Training & Conditioning: Grades 9-12 (1 credit-meets daily entire year)

Pre-requisite: must be participating in athletics (9th grade only). This co-ed course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardio-respiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, CrossFit training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Advanced Weight Training & Conditioning: Grades 9-12 (1 credit-meets daily entire year)

Pre-requisite: Varsity level athlete and teacher approval. This co-ed course is designed to give students the opportunity to learn advanced weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from advanced methods of comprehensive weight training, aerobics, plyometrics, agility training, flexibility training, CrossFit training, and running activities.

FINE ARTS

The following courses count as fine art or elective credits.

Band: Grades 9-12 (1 credit-meets daily entire year)

Prerequisite: previous band experience and/or permission of director. This course is designed to help students further develop playing skills and increase musical knowledge. Through band class, students are given the opportunity to develop responsibility, cooperation, commitment and leadership. Marching band students will be required to purchase shoes and gloves (band uniform provided). Students are also expected to have concert band attire as prescribed by the director. NOTE: All band students are required to comply with the department handbook and perform in all scheduled school concerts and performances. REQUIRED PERFORMANCE DATES WILL BE DISTRIBUTED AT THE BEGINNING OF THE YEAR. IF YOU HAVE ANY CONFLICTS IMMEDIATELY CONTACT THE DIRECTOR. Students are expected to commit to the course for full school year. Any student wanting to enter or exit band in the mid-year must get the director's approval.

Drama: Grades 9-12 (1 credit-meets daily entire year)

This course will introduce students to the basics of dramatic elements, stage direction, voice and movement, characterization, and acting. Reading and evaluating plays will be integrated with practical hands-on experience. Participation in Drama Club activities is encouraged, and students usually attend at least one class field trip to a play or musical. Students will learn stage design and drafting as well as basic use of sets and props for the yearly play or musical.

Studio Art I: Grades 9-12 (1 credit-meets daily entire year)

This is a foundation/prerequisite course for all other art courses at the high school level. Special attention is given to the acquisition of basic elements and principles in the visual arts. Students will work with a variety of media, subjects and styles. Art history, criticism and aesthetics are also included in the course curriculum. A \$10 course fee is charged for consumable materials.

Studio Art II: Grades 10-12 (1 credit-meets daily entire year)

Prerequisite: B- in Studio I. This course is designed for students who wish to build upon their studio skills set from Studio I. Students will expand their knowledge of studio mediums and techniques in both 2D and 3D. Students should anticipate higher expectations of work and work ethic as well as exploring their own personal style. Art history, criticism and aesthetics are also included in the course curriculum. A \$10 course fee is charged for consumable materials.

Studio Art III: Grades 11-12 (1 credit-meets daily entire year)

Prerequisite: B- in Studio II AND teacher approval. This course is a choice based, primarily self-paced, studio art course with some introduction of new techniques and processes being taught for students to utilize. With an emphasis in development of personal style, students can anticipate working with a variety of mediums and subject matters, both 2D and 3D. Students complete 5 projects per semester with planning, one-on-one conferencing, critique, self-reflection, and final showcase incorporated as part of their evaluation. A willingness to try new things, push one's abilities, and ability to learn from experiences are necessary for success in this course. A \$10 course fee is charged for consumable materials.

Studio Art IV: Grade 12 (1 credit-meets daily entire year)

Prerequisite: B- in Studio III AND teacher approval. This course is a choice based, primarily self-paced, studio art course with some introduction of new techniques and processes being taught for students to utilize. With an emphasis in development of personal style, students can anticipate working with a variety of mediums and subject matters, both 2D and 3D. Students complete 5 projects per semester with planning, one-on-one conferencing, critique, self-reflection, and final showcase incorporated as part of their evaluation. A willingness to try new things, push one's abilities, and ability to learn from experiences are necessary for success in this course. A \$10 course fee is charged for consumable materials.

Drawing I/II: Grades 10-12 (1/2 credit-meets daily first semester)

Pre-requisite: B- in Studio Art I or teacher approval; B- in Drawing I for Drawing II. This course is designed for students interested in furthering their skills in two dimensional drawing mediums such as charcoal, graphite, pastel, etc. Subject matter will vary and may include portraiture, still-life, non-objective art, perspective, etc. A \$10 course fee is charged for consumable materials.

Painting III: Grades 10-12 (1/2 credit-meets daily second semester)

Pre-requisite: B- in Studio Art I and/or teacher approval; B- in Painting I for Painting II. This course is designed for students interested in furthering their skills in painting. Students will work primarily with acrylic paint and occasionally watercolor. Subject matter will deal primarily with direct observation in still-life, portraiture, and landscape. Art history and the study of master painters will also be part of this class. A \$10 course fee is charged for consumable materials.

Graphic Design III: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: B- in Studio Art I or teacher approval; B- in Graphic Design I for Graphic Design II. This course is designed for students interested in the field of graphic design. First semester is spent primarily on digital photography utilizing manual function and editing techniques in Photoshop. Other topics explored in this course include: graphic novels, typography history and design, PSA/Propaganda, advertising, interior design, etc. A \$10 course fee is charged for consumable materials.

NOTE: All choir students are required to comply with the choral department handbook while enrolled in their respective choir. All choir students are required to perform in all scheduled school concerts and performances. REQUIRED PERFORMANCE DATES WILL BE DISTRIBUTED AT THE BEGINNING OF THE YEAR. IF YOU HAVE ANY CONFLICTS IMMEDIATELY CONTACT THE INSTRUCTOR! Students are expected to commit to the course for full school year. Any student wanting to enter or exit a choir class in the mid- year must get the director's approval. **Students are only allowed to enroll in up to two (2) choir courses per year unless otherwise approved by the instructor.**

Intro to Music: Grades 9-12 (1 credit-meets daily entire year)

This is a full year course in which students learn how music affects their daily lives, the culture of our country and other nations worldwide, and events in world history. Students should be ready for classroom participation, reading assignments, quizzes, group projects, and individual papers/projects. This course cannot be repeated unless a passing grade is not achieved. This course is not intended for students who have been enrolled or are currently enrolled in band or choir at the high school level.

Musicals 101: Grades 9-12 (1 credit-meets daily entire year)

This is a full year course in which students learn about and analyze the history, production, and function of musicals and music theatre. We will examine Hollywood's portrayal of music, historical, and social events. This course involves homework, papers, and tests. Attendance is critical to ensure success in this class.

Mixed Choir: Grades 9-12 (1 credit-meets daily entire year)

This course is open to any student interested in music and singing. Studies include a wide range of music including, but not limited to: madrigals, motets, classical, jazz, folk songs, world music, and Broadway. All music selected will enable students to learn singing techniques and music fundamentals. All students will be required to pay for cleaning of the school choir robe.

Concert Choir: Grades 9-12 (1 credit-meets daily entire year)

Pre-requisite: Audition Required. This course is for music students who are serious about developing musical performance skills. The members are taught a well-rounded appreciation for Madrigal, Classical, Jazz, Broadway and many other choral music styles. Advanced musical skills, knowledge, and attitudes are taught as well as responsibility, dedication, and commitment. Each year there will be competitions that take place outside of the school day, students will receive this information before auditioning/enrolling. Students will be required to purchase a dress or tuxedo. This course may be repeated.

Chamber Choir: Grades 9-12 (1 credit-meets daily entire year)

Pre-requisite: Audition Required. This course is composed of a limited amount of singers balanced over 4-8 parts. Advanced musical skills, knowledge, and attitudes are taught as well as responsibility, dedication, and commitment. Students should be ready for challenging choral material. Each year there will be competitions that take place outside of the school day, students will receive this information before auditioning/enrolling. Students will be required to purchase a dress or tuxedo. This course may be repeated.

BUSINESS, TECHNOLOGY, AND MARKETING

The following courses count as practical art or elective credits

Computer Applications: Grades 9-12 (1/2 computer applications credit-meets daily one semester)

Students will learn to use the Google Suite with docs, sheets, slides, drive, and how to share and transfer those files. We will also apply these skills to Microsoft Suite so the student is equipped for both platforms.

Multimedia: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: Computer Applications. Students will combine text, graphics, video, and sound using computer technology to produce multimedia projects. Students will learn the basics of photo-editing, animation, audio-editing, and video-editing software and will follow guidelines for appropriate Internet use.

Introduction to Computer Science: Grades 10-12 (1 credit-meets daily entire year)

The CodeHS introduction to computer science curriculum teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem solving skills. Once students complete the CodeHS Introduction to Computer Science course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in JavaScript.

Python: Grades 10-12 (1 credit-meets daily entire year)

The CodeHS Introduction to Computer Science in Python course teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games.

Web Design: Grades 10-12 (1 credit-meets daily entire year)

The CodeHS Web Design course is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi page websites.

Accounting I: Grades 10-12 (1 credit-meets daily entire year)

Knowledge of accounting is useful to anyone in a business-related occupation as well as for personal business. Topics include: recording business transactions, preparing financial reports, banking, payroll procedures, and computerized accounting.

Accounting II: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Accounting I. This course expands on topics introduced in Accounting I while adding new topics about management accounting, cost accounting, not-for-profit accounting, and financial analysis.

App Design: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Intro to Computer Science. As an online blended high school course, students will design and build applications to run on their own smartphones and will use the latest tools and technologies available for mobile app development. Students will learn the foundations of the React Native framework, components, and how to use components to create scalable, custom, and fast mobile applications. Students will also learn about important computer science topics including state changes, using XML and stylesheet objects, mapping through objects, rendering dynamic data, and creating modular app layouts with flex.

Computer Graphics: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Computer Applications. Students will use desktop publishing software to create visual communications for professional or desktop printing. Students will learn elements of design to create attractive, eye-catching publications; create school-related documents (flyers, programs, tickets); and design commercial documents (brochures, magazines, menus, invitations, certificates, business cards, etc.). The three programs used are Adobe Photoshop, Publisher, and Indesign.

Cybersecurity: Grades 11-12 (1 credit-meets daily entire year)

Students will learn foundational cybersecurity topics and digital citizenship and cyber hygiene all through the CodeHS web-based platform. Students will complete a culminating course project where they will create a public service announcement. This is not a coding intensive course, but rather students will learn the basics of protecting their own data and become aware of how cybersecurity is important for the information age in which we live.

Personal Finance: Grades 11-12 (1/2 personal finance credit-meets daily one semester)

Understanding and managing personal finances are crucial to one's future financial success. This one-semester course is based on the Missouri Personal Finance Competencies and presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

Fundamentals of Marketing: Grades 9-12 (1 credit-meets daily entire year)

An instructional program for students who are interested in a career in the field of marketing and management. This course includes instructional areas designed to provide an understanding of the fundamental marketing 25 processes and an orientation to the American free enterprise system. DECA membership required.

Sports & Entertainment Marketing: Grades 10-12 (1/2 credit-meets daily first semester)

An instructional program that focuses on marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, selling or renting of supplies and equipment (other than vehicles) used for recreational or sporting purposes, products and services related to hobbies or cultural events or businesses primarily engaged in satisfying the desire to make productive or enjoyable use of leisure time. DECA membership required.

Entrepreneurship: Grades 10-12 (1/2 credit-meets daily second semester)

An instructional program that provides a background for the development and operation of a business starting with the role of the entrepreneur in our economy to development of a business plan and the application of specific marketing skills and concepts within the business environment. DECA membership required.

Hospitality Management: Grades 10-12 (1/2 credit-meets daily first semester)

A program that prepares individuals to serve as general managers and directors of hospitality operations on a system-wide basis, including both travel arrangements and promotion and the provision of traveler facilities. Includes instruction in principles of operations in the travel and tourism, hotel and lodging facilities, food services and recreation facilities industries; hospitality marketing strategies; hospitality planning; management and coordination of franchise and unit operations; business management; accounting and financial management; hospitality transportation and logistics; and hospitality industry policies and regulations. DECA membership required.

Travel & Tourism: Grades 10-12 (1/2 credit-meets daily second semester)

A program that prepares individuals to manage travel related enterprises and related convention and/or tour services. Includes instruction in travel agency management tour arranging and planning, convention and event planning, travel industry operations and procedures, tourism marketing and promotion strategies, travel counseling, travel industry law, international and domestic operations and travel and tourism policy. DECA membership required.

Marketing Research: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: A grade of C- or better in a previous marketing course. An instructional program that prepares individuals to provide analytical descriptions of consumer behavior patterns and market environments to marketing managers and other business decision-makers. Includes instruction in survey research methods, research design, new products test marketing, exploratory marketing, consumer needs and preferences analysis, geographic analysis and applications to specific products and markets. DECA membership required. NOTE: This course is offered during even numbered school years (example = 2021-2022, 2023-2024 etc.)

Advanced Marketing: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: A grade of C- or better in a previous marketing course. An instructional program for students who are preparing for a career in the field of marketing and management. Instruction will prepare students to perform one or more of the marketing functions, such as selling, buying, pricing, promoting, market research and management. DECA membership required. NOTE: This course is offered during odd numbered school years (example = 2020-2021, 2022-2023 etc.)

Marketing Internship: Grade 12 (1-2 credits per year)

Pre-requisite: A grade of C- or better in a previous marketing course, must take Advanced Marketing/Marketing Research concurrently, and teacher approval (based on attendance and discipline record). This course offers students the opportunity to receive credit for hours worked at their place of employment. Students must work a minimum of 10 hours per week to earn one credit and twenty hours to earn two credits. Depending on the amount of hours worked, these students may leave school during 7th or 8th hour. Students MUST be in attendance at school in order to receive credit for work on days when school is in session.

FAMILY AND CONSUMER SCIENCES

The following courses count as practical art or elective credits

Interpersonal Relationships: Grades 9-12 (1/2 credit-meets daily first semester)

This course encourages self-examination and critical thinking relative to adult living. Areas of study include understanding oneself and others, dating, long-term committed relationships, family systems, financial responsibility, parenting, and the life cycle. The course content encourages the development of the skills necessary for successful relationships in today's changing world.

Career & Family Leadership: Grades 9-12 (1/2 credit-meets daily second semester)

This comprehensive instructional program describes the general study of family and consumer sciences, including how individuals develop and function in family, work and community settings and how they relate to their physical, social, emotional and intellectual environments. Career exploration and its impact on families are key components.

Foods & Nutrition: Grades 10-12 (1 credit-meets daily entire year)

This course assists students in understanding the role of nutrition in health and wellness. Demonstrations, hands-on food labs, guided instruction and cooperative learning are used throughout the course. Ultimately, students will be given the opportunity to have the necessary skills to plan, purchase and prepare nourishing meals and to evaluate and improve their day-to-day food choices.

Parenting & Child Development: Grades 10-12 (1 credit-meets daily entire year)

This class explores the process of child development: how children grow from conception through infancy, including pregnancy and prenatal care. It also explores parenting decisions and how adults and caregivers provide for and influence the children in their lives. Other topics include: male/female reproduction, contraceptives, and teen pregnancy. Opportunities will be provided to observe and/or interact with children at the district's childcare center.

Fashion Design: Grades 11-12 (1/2 credit-meets daily first semester)

Students who take this course will learn about the history of fashion, the origins and uses of textiles in fashion and fabrics, the basic concept of fashion design and related terminology, introductory information related to fashion buying, marketing, merchandising, and other areas in the fashion industry. Design elements and principles will be studied.

Housing & Design: Grades 11-12 (1/2 credit-meets daily second semester)

This course is an instructional program that describes the study of the behavioral, social, economical, functional, and aesthetic aspects of housing, interiors, and other built environments. It includes instruction in analyzing, planning, designing, and furnishing residential, work, and leisure spaces to meet user needs.

AGRICULTURE

The following courses count as practical art or elective credits

Agricultural Science I: Grades 9-12 (1 credit-meets daily entire year)

Basic introduction to the field of Agriculture with emphasis on animals, leadership, careers, record keeping, agricultural business, and shop work (woodworking, ARC welding, and power tools).

Agricultural Science II: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: Ag Science I. Major emphasis on plants and soils with continued education in leadership, records, careers, and shop work (Oxy-Acetylene, tool sharpening, material selection, plan reading, and project construction).

Greenhouse Operation Management: Grades 11-12 (1 credit & 3 college hours-meets daily entire year) **Weighted Course**

Pre-requisite: Ag Science II. This course deals with the basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate these procedures. Plants are started from cuttings, seeds, grafts, or by layers. Students will manage their own crops as a greenhouse project. The class will also include a study of soils and fertilizers, continued education in leadership, record keeping and greenhouse safety. This course had a dual credit option through UCM and is weighted if taken for credit.

Agribusiness Sales & Marketing: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Ag Science II. This course deals with human relations, personal inventory, careers in selling, and other experiences necessary for employment on agribusiness's engaged in marketing, purchasing and storing, grading, and transporting supplies and products. It also continues education in leadership and record keeping. NOTE: This course is offered during odd numbered school years (example = 2020-2021, 2022-2023 etc.)

Agriculture Management & Economics: Grades 11-12 (1 credit-meets daily entire year)

Pre-requisite: Ag Science II. This course is a combination of farm management and agribusiness content based on agriculture economic principles. Computer applications are included to enhance student understanding and utilization of current technology. Units include human relations, verbal and written communication, microcomputers in agriculture, economic principles, farm planning, agribusiness functions and business management. NOTE: This course is offered during even numbered school years (example = 2019-2020, 2021-2022 etc.)

Agriculture Construction: Grades 11-12 (1/2 credit-meets daily first semester)

Pre-requisite: Ag Science II. This course focuses on ARC, MIG, and Acetylene Welding. After students have mastered all welding positions they will be allowed to construct a project of their choice. There is also continued education in leadership, record keeping, and shop safety.

Agriculture Structures: Grades 11-12 (1/2 credit-meets daily second semester)

Pre-requisite: Ag Science II. This course focuses on constructing buildings, planning water systems, building fences, and some electrical wiring. There will be time spent in the shop on project construction, applying what has been learned in the classroom. There is also continued education in leadership, record keeping, and shop safety.

Supervised Agriculture Experience: Grade 12 (1 or 2 credits per year)

Pre-requisite: Ag Management & Economics or Ag Sales & Marketing (can take concurrently) & teacher approval (based on attendance). This course will provide the student with the opportunity to learn employment skills while on the job. Students must work a minimum of 10 hours per week to earn one credit and twenty hours to earn two credits. Depending on the amount of hours worked, these students may leave school after 6th or 7th hour and must be enrolled in a five or six credit earning courses. Students MUST be in attendance at school in order to receive credit for work on days when school is in session. Employer and instructor will determine grades.

INDUSTRIAL TECHNOLOGY

The following courses count as practical art or elective credits

Note: Each of the following courses requires a \$20 shop fee per each class and may include additional fees for project materials.

Materials & Processing: Grades 9-12 (1 credit-meets daily entire year)

Students will be expected to make core projects in metalworking, woodworking, drafting and a mass production project while learning the materials and processes in each unit.

Mechanical & Architectural Design: Grades 10-12 (1 credit-meets daily entire year)

Students will learn the basics of drafting and design. The students will use both hands-on and computer skills to help with the design process in mechanical and architectural units. Various computer programs such as Rhinoceros, Autosketch and 3D Home Architect will be utilized to complete drawings such as orthographic projections, 3D models, residential floor plans, etc. The class may also compete in a high mileage competition during the Spring semester. This course may be repeated with teacher's approval.

Engineering Design I/II: Grades 10-12 (1 credit-meets daily entire year)

Engineering Design offers students the opportunity to apply knowledge and skills required to create/transform ideas and concepts into a product that satisfies specific customer requirements. Students will experience design engineering in the creation, synthesis, iteration and presentation of design solutions. This course will maintain a focus on how engineers apply their creativity, resourcefulness, mathematical, scientific, and technical knowledge and skills in the creation or refinement of technological products/systems. A key approach will be the employment of a sophisticated, sequential, and iterative design and development process to solve authentic engineering tasks/problems.

Woodworking Technology: Grades 10-12 (1 credit-meets daily entire year)

Pre-requisite: C average in Materials & Processing. Students will learn fundamental woodworking skills and terminology. Safety procedures will be stressed. Students will construct their own projects and the projects will vary depending on what level you are in. Students will also have the opportunity to take projects to woods contest in the Spring semester. This course may be repeated as Woods II/III with teacher's approval.

OTHER

The following courses count as practical art or elective credits unless noted

Becoming a Teacher: Grade 12 (1/2 credit & 3 college hours-meets daily first semester)

Weighted Course

Pre-requisite: 3.0 GPA. The profession of teaching will be explored with emphasis on instructional planning, assessment, ethics, school mission/purposes, legal issues, classroom cultures and career opportunities. A portfolio will be started and continued into the Cadet Teaching Internship class in Semester 2. Tuition fee set by UCM and payable in August.

Cadet Teaching Internship: Grade 12 (1/2 credit & 1 college hour-meets daily second semester)

Weighted Course

Pre-requisite: Completion of Becoming a Teacher with B average, 3.0 GPA and membership in Future Educators of America (FEA). Senior students continuing on from the Becoming a Teacher class will have the opportunity to observe and teach lessons in 2 chosen grade levels for two 6 week internships over the semester. Students will observe the class at first, work with the teacher and students on various activities and will teach mini-lessons to the class throughout their 6 week internship. Completion of a portfolio and reflective journal entries based on classroom observations and cadet-taught lessons will be the capstone for this course. Tuition fee set by UCM and payable in January.

A+ Tutoring: Grade 12 (No (0) credit-meets daily one semester)

Pre-requisite: 2.5 GPA minimum, 95% cumulative attendance, signed A+ agreement, in good standing with regards to A+ citizenship guidelines, and have attended an A+ certified school for three consecutive school years prior to graduation. This course allows student to complete their tutoring requirements for the A+ Program. Tutoring must be completed in a core academic subject area at an Odessa R-VII School, supervised by a district employee, and approved by the A+ Coordinator.

ACT Prep Course: Grades 11-12 (1/2 credit-meets daily one semester)

The ACT Prep class is designed to familiarize juniors and seniors with the ACT test required for admission by many universities. Students will learn test taking strategies, review English, Reading, Math, and Science content; take practice tests; and discover ways to reduce test anxiety. Students must register to take the ACT exam at the end of the semester enrolled.

Principles of Leadership: Grades 10-12 (1/2 credit-meets daily one semester)

This course is primarily experientially based and emphasizes the importance of communication, character, personal growth, and building strong relationships. Listening skills, synergy, perceptions, conflict styles, personality, and group formation will also be taught. A variety of methods will be used to facilitate the learning of skills throughout the semester. The course will primarily utilize the CharacterStrong Leadership Curriculum.

Library Aide: Grades 11-12 (1/2 or 1 credit-meets daily one semester or entire year)

Pre-requisite: Application, 2 teacher recommendations, 3.0 GPA. Duties while working as a library aide include checking library materials in and out, shelving library materials, assisting teachers and students in finding materials, straightening and keeping materials in order and processing new books and periodicals. NOTE: This course is Pass/Fail and does not count towards GPA quality points.

College Release: Grades 11-12 (1-3 credits per year)

This option is available for students who will be taking college courses (not including DC/ITV courses offered at OHS) prior to graduation. Eligible students must meet the following criteria: 3.0 GPA minimum; enrolled in a college level course that is not similar to a course available at OHS (unless there is a scheduling conflict) that is determined by the counseling office to be academically appropriate; complete an application in the Counselors' office and submit proof of college enrollment and course description(s). Students enrolled for 3 college hours may receive up to 2 hours of college release credit; students enrolled in 5+ college hours may receive up to 3 hours of college release credit. It is the full responsibility of the student to choose and apply to the college, enroll in classes, and to provide a copy of their grade card in order to receive credit. If the student withdraws or fails the college course, no credit will be given and an "F" will be placed on the student's transcript for the course taken.

LEX-LA-RAY TECHNICAL CENTER

The following courses count as practical art and elective credits unless noted

Students must complete an application and interview process. Selection of students will be based on attendance, grades, personal conduct, and career goals. All vocational programs are two years in length. After the completion of any two year program, students will receive one Language Arts credit and one Math credit. These credits may not be used to replace any required credits from grades 9-11. Students must also meet minimum credit requirements to be accepted or to maintain their slot in the program. Credits will be reviewed every semester by administration and counselors.

Automotive Technology: Grades 11-12 (3 credits-meets daily entire year)

Instruction will include understanding and repairing all major systems of the automobile. Students will work with a computerized 4-wheel alignment system, a Hunter front-end alignment system, electronic and computerized ignition diagnostic equipment, a Coats 4040SA tire changer, AMOCO brake lathe, starter and alternator test bench, and a computerized wheel balancer.

Building Trades: Grades 11-12 (3 credits-meets daily entire year)

This includes learning blueprint reading, use of hand/power tools, building mathematics, planning and layout, framing, roofing, exterior trim and finishing building materials and cabinet making. The cabinet making shop includes power shapers, planers, routers, jointers, band saws, lathes, disk sanders, drum sanders, and a wide range of hand tools.

Collision Repair Technology: Grades 11-12 (3 credits-meets daily entire year)

Students will receive training in all phases of collision repair including the science of Unibody repair and paint and plastics technology. Students learn steel and sheet metal repair, glass replacement, painting and refinishing, fiberglass and plastic repair, unitized body sectioning, body filling techniques and surface preparation.

Computer Maintenance & Networking: Grades 11-12 (3 credits-meets daily entire year)

Pre-requisite: Computer Applications. This course offers students the opportunity to acquire skills and knowledge in computer networking, applications and support using the Net + curriculum. Students work with peers and mentors from industry to design, build and maintain local and wide area networks. They also provide computer training and support for staff and students. Students will have the opportunity to troubleshoot and repair computer software and hardware problems, and staff computer support.

Culinary Arts: Grades 11-12 (3 credits-meets daily entire year)

This course focus on food service terminology, equipment identification and use, knife skills, and basic food preparation. This class is designed to prepare students to create restaurant quality meals. This course will prepare students for entry-level positions in full-service restaurants, hotels, and continued education in a culinary program at the college level.

Early Childhood Professions: Grades 11-12 (3 credits-meets daily entire year)

The program prepares students for entry into the workforce or college degree program to pursue a career as an early childhood professional and to test for the Child Development Associated (CDA) national credentialing program. Students will acquire skills in child growth and development, nutrition, program planning and management, safety, behavior, guidance, recreations and play activities, child abuse and neglect, parent-child relationships, learning experiences for children and maintenance of children's environments. Laws, regulations and policies related to child care services and maintenance of children's environments will be covered. Students will be able to apply skills learned in lab setting through observation/participation in public schools and day care centers.

Health Occupations: Grades 11-12 (3 credits-meets daily entire year)

Students cover the basic principles of anatomy and physiology. Students are also trained in skills involving patient care and emergency procedures. Starting during the second half of the first year, students will spend 3 class periods per week in a health occupation setting such as a dental office, hospital, nursing home, day care center, ambulance crew, home health agency, or veterinarian service.

Industrial Welding: Grades 11-12 (3 credits-meets daily entire year)

Instruction is in the basic types of welding including: stick, electrode, MIG, TIG, and oxyacetylene welding, brazing, and cutting. These methods of welding are then applied to the two basic types of welding industries, which are fabrication of new products and materials and the repair of existing products and materials. Blueprint reading and metallurgy are taught to supplement the student's industrial welding skills.

SUMMIT TECHNOLOGY ACADEMY

The following courses count as practical art and elective credits unless noted

Each school within the Summit Technology Academy District is allotted slots based on student enrollment. Selection of students will be based on application, attendance (95% or higher), grades (3.0 GPA or higher), personal conduct, and career goals. Missouri Innovation Campus (MIC) program is a progressive initiative by the University of Central Missouri, Metropolitan Community Colleges, as well as numerous business partners such as Cerner Corporation, DST, Burns & McDonnell, and Black & Veatch. Some of the programs within STA have an option to pursue a baccalaureate degree and include industry immersion with local businesses that are in need of developing a skilled workforce. MIC students must meet appropriate Accuplacer or ACT scores. Eligible MIC programs include: Software Development, Design & Drafting, Bioinformatics, Systems Engineering/Networking, & Cyber Security. For more information visit, <http://ucmo.edu/mic> or ask your guidance counselor.

Digital Electronics: Grades 11-12 (1.5 credits-meets daily one semester) **.5 Weighted Credit**

Pre-requisite: 3.0 GPA; Engineering recommended. This is a course in applied logic that gives students the opportunity to learn how computers/logic circuits think and control the world around us. Computer simulation software is used to design and test digital circuitry prior to the actual construction of the circuits. Students will have the opportunity to learn everything from basic electronic circuit design, logic circuit design, all the way up to and including programming and interfacing with microcontrollers, which includes robot applications. NOTE: This course has a dual credit option through University of Central Missouri.

Computer Integrated Manufacturing: Grades 11-12 (1.5 credits-meets daily one semester) **.5 Weighted Credit**

Pre-requisite: 3.0 GPA. This course is designed to expose students to the fundamentals of computerized manufacturing technology and is built around several key concepts: Computer Modeling-using a three dimensional, solid modeling software package with mass property analysis, CNC Equipment-understanding the machine tools and its operating and programming aspects, CAM Software-converting computer generated geometry into a program to drive CNC machine tools, Robotics-using a robot for materials handling and assembly operations and Flexible Manufacturing Systems-working in teams to design manufacturing work-cells and table top factory simulations.

Aerospace Engineering: Grades 11-12 (1.5 credits-meets daily one semester) **.5 Weighted Credit**

Pre-requisite: 3.0 GPA; B average in Algebra II. Aerospace Engineering provides students with the fundamental knowledge and experience to apply mathematical, scientific, and engineering principles to the design, development, and evolution of aircraft, space vehicles and their operating systems. This course is part of the PLTW Engineering curriculum. In the classroom, students will engage in creative thinking and problem-solving activities using software that allows students to design, test, and evaluate a variety of air and space vehicles, their systems, and launching, guidance and control procedures. Students will build and test model rockets, gliders, airfoils, robots, wind turbines, and fiberglass composite samples. Students will also fly a plane in a flight simulator program, complete challenges with their robot, and use high-altitude ballooning to understand atmospheric conditions and characteristics. Students can expect to work with and/or be mentored by professionals in the aviation/ aerospace career field from around the Greater Kansas City metropolitan area.

Engineering Design & Development: Grade 12 (3 credits-meets daily entire year) **1 Weighted Credit**

Pre-requisite: 3.0 GPA; B average in Physics; Completion of Digital Electronics with C or better. During the Fall semester, students work on an open-ended EDD problem in which they research, design, and devise a solution. Students apply principles developed in the preceding courses, learn advanced physics applications, and are guided by an engineering mentor. They must present progress reports, submit a final written report, and defend their solutions to a panel of outside reviewers at the end of the school year. The Spring semester is an Engineering Field Experience course in which students will be expected to travel two days per week to local firms such as The City of Lee's Summit Public Works (LSPW) Engineering Department and HDR-Archer. It is the goal of these organizations to provide students with real on-going or planned infrastructure (roads, traffic, waste-water conveyance, rainwater runoff, etc.) projects. The remaining three days will be spent at Summit Technology Academy learning the fundamentals of fluid statics, and fluid dynamics most of which will be applied directly to the aforementioned projects at LSPW and HDR-Archer.

Software Development I/II: Grades 11-12 (3 credits-meets daily entire year) **1 Weighted Credit**

Pre-requisite: 3.0 GPA, B average in Algebra II and Computer Applications. This course is the C++ programming language. The student will focus on structured programming techniques, proper program design and object-oriented programming concepts and skills. Topics include basic object-oriented programming, events, logic structures and simple input/ output techniques. Using the Java programming language, the student will focus on structured programming techniques, proper program design and object-oriented programming concepts and skills.

Network Engineering I/II: Grades 11-12 (3 credits-meets daily entire year)

1 Weighted Credit

The course introduces the architecture, structure, functions, components and models of the Internet and other computer networks. It uses the OSI and TCP/IP layered models to examine the roles of protocols and services. This includes the principles and structure of IP addressing, LAN and WAN specifications, and network management which provide a foundation for the course. Hands-on and simulation based activities in this course assist with the configuration, operation, and troubleshooting of routers and switches in a small to medium-sized internetwork. This course helps the student prepare for the Cisco Certified Entry Network Technician certification exam. This course provides a comprehensive, theoretical, and practical approach to learning the technologies and protocols needed to design, implement, and secure enterprise and wide area networks. This includes functionality, configuration, and troubleshooting of inter-VLAN routing, VLANs, WLANs as well as wide area networking technologies. This course helps the student prepare for the Cisco Certified Network Associate certification exam.

Cyber Security: Grade 12 (1.5 credits-meets daily one semester)

1 Weighted Credit

Pre-requisite: Networking Engineering I/II. This semester-long course teaches students the skills needed to obtain entry-level security specialist jobs. It provides a hands-on introduction to network security. Students in the course will examine, design and implement security rules and policies that govern corporate networks. This course helps the student prepare for the CompTIA Security+ certification exam.

Allied Health Academy: Grade 11-12 (3 credits-meets daily entire year)

1 Weighted Credit

Pre-requisite: 3.0 GPA, B average in Algebra I & Biology. This program is for those interested in learning more about Allied Health careers or who would like to enter college healthcare programs after graduation. Students will be engaged in hands-on skills lab work and projects related to Dental Assisting; Health Information Technology; Occupational Therapy/Occupational Therapy Assistant; Paramedic/EMT; Physical Therapy/Physical Therapy Assistant; Radiologic Technology and Respiratory Care, Surgical Technology, Polysomnography, Chiropractic, Athletic Training, Laboratory, Pharmacy, and other allied health careers. This program allows internship and shadowing opportunities in allied health career fields. In addition, students have opportunities to gain industry credentials such as Basic Life Saver CPR training and HIPAA credentials.

Professional Nursing: Grade 12 (3 credits-meets daily entire year)

1 Weighted Credit

Pre-requisite: 3.0 GPA, B average in Algebra I. This course is designed to prepare senior students, who have identified nursing as a clear career goal, for a collegiate registered nursing program. Students will learn through classroom instruction and practice in a clinical skills lab. Major units of study include nursing history and career exploration, pharmaceutical math, CPR/First Aid, nursing skills, and medical terminology. The course will introduce students to the nursing process, nursing documentation, effective communication skills and medical ethics. Students will learn and use APA style in the production of a research paper. Dual college credit options are subject to change based on instructor qualifications and college requirements. Student must provide their own transportation for clinical experiences. NOTE: This course has a dual credit option through Metropolitan Community Colleges and University of Central Missouri.

Medical Interventions: Grades 11-12 (1.5 credits-meets daily first semester)

.5 Weighted Credit

Pre-requisite: 3.0 GPA, Chemistry & Biology. Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection, how to screen & evaluate the code in human DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Students are exposed to a wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. NOTE: This course has a dual credit option through Missouri S & T.

Biomedical Innovation: Grades 11-12 (1.5 credits-meets daily first semester)

.5 Weighted Credit

Pre-requisite: Medical Interventions. In this capstone course students design and conduct experiments related to the diagnosis, treatment, and prevention of disease or illness. They apply their knowledge and skills to solve problems related to Bio-Medical science. They may work with a mentor or advisor from a university, hospital, physician's office, or industry as they complete their work. Projects include: problems in emergency medicine, forensic medicine, anatomy and physiology, and water quality. A background check and TB test may be necessary for hospital placements. NOTE: This course has a dual credit option through Missouri S & T.

International Studies Academy: Grades 11-12 (3 credits-meets daily entire year)

1 Weighted Credit

Pre-requisite: 3.0 GPA, 2 years of foreign language. This course is designed for students who wish to pursue an in-depth understanding of world cultures, languages, and diversity. Students will learn multiple languages through online programs as well as develop cultural understanding through case studies, guest speakers, and international video conferencing. Students will engage in international service projects through Interact (A Rotary youth club) and People to People International. Students will also participate in Model United Nations and compete in a local competition. SISA is a flexible classroom environment that simulates a realistic intercultural consulting company. Student grades are determined through a unique system where students receive a simulated salary and bonuses.

Hospitality Tourism & Management I & II: Grades 11-12 (3 credits-meets daily entire year)

1 Weighted Credit

Pre-requisite: 3.0 GPA, B average in Algebra I. HTMP 1 introduces the hospitality and tourism industry on a global scale with a large focus on diversity. The program provides students with broad-based learning on the tasks, knowledge, and skills required by anyone wishing to build a career within the hospitality and tourism industry. HTMP 2 prepares students for entry level jobs in the hospitality and tourism industry. The content focuses on the leadership and managerial aspects, responsibilities, knowledge, and skills required by an entry-level leader in the hospitality and tourism industry.

Executive Finance & Fintech: Grades 11-12 (3 credits-meets daily entire year)

1 Weighted Credit

Pre-requisite: 3.0 GPA, B average in Accounting. This dynamic program is for students interested in learning advanced concepts in finance and financial technology (Fintech) careers and would like to enter college finance programs after graduation with a competitive advantage. Students will be immersed in problem-based and projectbased instruction that mirrors the current financial industry related to the following areas: Risk Management, Data Analysis (BIG DATA), Financial Technology (Fintech), Financial Modeling, Understanding Balance Sheets and P&L Statements, Economics, Communication Skills, Corporate Finance, Commercial Banking, Investment Management and Financial Advisory Insurance.

Digital Media Technology: Grades 11-12 (3 credits-meets daily entire year)

1 Weighted Credit

Pre-requisite: 3.0 GPA, B average in Algebra I, and 1 fine art credit. The Digital Media Technology program at Summit Technology Academy gives students an opportunity to explore and prepare for careers in the entertainment and media communications industries. Students will focus on audio production technologies including sound generation, studio recording and live sound reinforcement. They will work in teams to integrate music, graphics and video technologies in entrepreneurial projects for their schools and/or communities. Students have the opportunity to earn an industry-recognized certification in Apple Final Cut Pro.

ODESSA HIGH SCHOOL SPORTS, CLUBS, & ORGANIZATIONS

Football-Mark Thomas, Head Coach
Volleyball-Melanie DeMore, Head Coach
Cross Country-Zach Meler, Head Coach
Softball-Randy Florence, Head Coach
Tennis (Girls)-Allan Twilligear, Head Coach
Golf (Girls)-Chad Meyer, Head Coach
Soccer (Boys)-Sam Hughes, Head Coach
Basketball (Boys)-Doug Burnett, Head Coach
Basketball (Girls)-Randy Florence, Head Coach
Wrestling-Kirk Gross, Head Coach
Baseball, Drew DeParalta, Head Coach
Track-Zach Meler, Head Coach
Tennis (Boys)-Amanda Drinkwater, Head Coach
Golf (Boys)-Chad Meyer, Head Coach
Soccer (Girls)-Sam Hughes, Head Coach
Trapshooting-Jacque Henning, Head Coach
Dance-Ashley Ray, Head Coach
Cheerleading: Aimee Feagan, Head Coach
Instrumental Music-Derek Twombly, Director
Color Guard-, Karley Nance, Sponsor
Vocal Music-Harry Hamblin, Director
Drama-Connor Bush, Sponsor
Activities Director-Mat Vleisides

A+ Program-Ashley Ray, Coordinator
Student Council-Angie Sallee, Sponsor
History Club-Terry Stever, Sponsor
Spanish Club-Amanda Drinkwater, Sponsor
DECA-Jessica Wade, Sponsor
National Art Honor Society (NAHS) Andrea Birdsong, Sponsor
Quiz Bowl-Kris Poisal, Sponsor
Math Relays-Donna Gwodz, Sponsor
Journalism-Kris Poisal, Sponsor
Tabletop Gaming-Amanda Twombly, Sponsor
Debate-Connor Bush, Sponsor
National Honor Society (NHS)-Kris Poisal, Sponsor
Future Educators of America (FEA) Amanda Drinkwater, Sponsor
Future Business Leaders of America(FBLA) Deborah Cox, Sponsor
National FFA Organization-Bill Angel, Sponsor
Future Career & Community Leaders of America (FCCLA)-Hayley Hunter, Sponsor
Technology Students Association (TSA) Jason Rathert, Sponsor
Interact-Crisa Seals & John Carmody, Sponsors

Extracurricular activities are an important part to a student's overall high school experience. Any student interested in participating in any of the above activities should contact the coach or sponsor for further information.

