

Hardin-Central C-2

Career & Educational Planning Guide

2020-2021

GRADUATION REQUIREMENTS

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| **HIGH SCHOOL COURSE GRADUATION REQUIREMENTS** | |
| **CURRICULAR**  **AREAS** | Graduation |
| **Language Arts** | 4 units  (Must include 2 units in a core English class for grades 9-12) |
| **SOCIAL STUDIES** | 3 units  (Must include 1 unit Am. History and 1 unit American Government) |
| **MATHEMATICS** | 3 units  (Must include 1 unit Algebra I) |
| **SCIENCE** | 3 units  (Must include 1 unit Biology and Physical Science) |
| **FINE ARTS** | 1 unit |
| **PRACTICAL ARTS** | 1 unit |
| **PHYSICAL**  **EDUCATION** | 1 unit |
| **PERSONAL FINANCE** | 1/2 unit |
| **HEALTH** | 1/2 unit |
| **ELECTIVES** | 6 units |
| **Totals** | 24 Units |

# MINIMUM POST-HIGH SCHOOL EDUCATION

**ADMISSIONS REQUIREMENTS**

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| **CURRICULAR**  **AREAS** | **Entering Freshman**  **University of Missouri**  **System Credit**  **Requirements** | Missouri Public 4 Year Colleges **(UCM, MSU)**  **Credit**  **Requirements** | **Community & Technical Colleges** | **Military**  **Careers** | **Apprenticeships** |
| **COMMUNICATION**  **SKILLS** | 4 Units | 4 Units | High School  Diploma, GED, or a Completion of Home School Program | High School  Diploma | Most Require a High School Diploma or a GED and must be at least 18 years of age |
| **SOCIAL STUDIES** | 3 Units  Govt 1/2 | 3 Units  Govt ½ |
| **MATHEMATICS** | 4 Units  Alg I & Higher | 3 Units  Alg I & Higher |
| **SCIENCE** | 3 Units  2 of 3 from Bio, Chem, Physics & Earth Science | 3 Units  No General Science 1 must be a lab class |
| **FINE ARTS** | 1 Unit | 1 Unit |
| **PRACTICAL ARTS** | 0 Units | 0 Units |
| **PHYSICAL**  **EDUCATION** | 0 Units | 0 Units |
| **ELECTIVES** | 5 Units | 6 Units |
| **ADDITIONAL**  **ELECTIVES** | 2 Units  2 Years of the same foreign language | 3 Units selected from foreign language &/or core courses |
| **TOTALS** | 22 Units  Plus appropriate class rank and a minimum score of 24 on ACT | 23 Units  Plus appropriate class rank and ACT score |

GENERAL INFORMATION

GENERAL INFORMATION

ATHLETIC ELIGIBILITY

#### Missouri State High School Activities Association Eligibility (MSHSAA)

Knowing and following all MSHSAA standards will enable a student to protect his/her eligibility for MSHSAA interscholastic competition. Activity participation should be for all students making appropriate progress toward graduation and otherwise in good standing.

Grades 9-12:

Grades received the preceding semester will determine eligibility to participate in interscholastic activities.

* The student shall have earned, the preceding semester, a minimum of 3.0 units of credit. This means to pass 6 of 7 classes the previous semester.
* The student shall currently be enrolled in and regularly attending courses that offer 3.0 units of credit. (student aides, etc does not count as a full class)
* A beginning ninth grade student shall have been promoted from the eighth grade to the ninth grade for first semester of eligibility.
* A student must be making satisfactory progress towards graduation as determined by local school policies.  
  There is a maximum age limit for participation

**National Association of Intercollegiate Athletics (NAIA)**

For information about eligibility to play NAIA athletics, go to www.playnaia.org.

**National Collegiate Athletic Association (NCAA)**

Before a student is eligible to participate in college athletics at the NCAA Division I or Division II level, the NCAA Clearinghouse must certify the student. Part of that certification process includes making sure that the student has successfully taken the required number of core courses. The required number of core courses is listed below. For further requirements to be deemed eligible contact the Guidance Office.

**CORE UNITS REQUIRED FOR NCAA CERTIFICATION**

**Division I Division II**

**English Core 4 years 3 years**

**Mathematics Core 3 years 2 years**

**Science Core 2 years 2 years**

**Social Studies Core 2 years 2 years**

**From English, Math, or Science 1 year 2 years**

**Additional Core** (English**,** Math, Science,

Social Science, Foreign Language, Computer

Science, Philosophy, Non-doctrinal Religion) **4 years 3 years**

**TOTAL CORE UNITS REQUIRED 16 \*14**

**\*IMPORTANT NOTE:** Division II will require 16 core courses beginning August 1, 2013.

Be sure to look at your high school’s list of NCAA-approved core courses on the Eligibility Center’s Web site to make certain that courses being taken have been approved as core courses. The Web site is www.eligibilitycenter.org.

### National Collegiate Athletic Association (NCAA) Eligibility Center

### All high school student-athletes wishing to compete in college must register with the NCAA Eligibility Center. Information about the Eligibility Center can be found in the Guide for the College-Bound Student-Athlete. The NCAA national office does not handle initial-eligibility certifications. Please do not contact the NCAA national office with inquiries regarding an individual's initial-eligibility status, including whether transcripts, student release forms, etc., were received or about when you will be cleared. The Eligibility Center maintains and processes all of the initial-eligibility certifications. More information can be found at: [www.ncca.org](http://www.ncca.org). Please refer to Hardin-Central administration if you plan on attending/participating in NCAA sanctioned events.

HIGH SCHOOL SPECIAL PROGRAMS

The high school administration realizes that an effective educational program is one that provides

opportunities for student learning both within the classroom and beyond the traditional classroom and

school day. These expanded opportunities are viewed as educational options to supplement the

regular program.

#### A+ Schools Program

The Norborne School Program strives to ensure that students are prepared for and successful in life beyond high school. The A+ Schools Program provides students with continuous, progressive career information throughout the students’ years in the Norborne School District. The program focuses on ensuring students have course offerings that are rigorous and relevant to the world outside the classroom that will better prepare them for their paths after high school.

For Additional Information about the A+ Schools Program contact the A+ coordinator in your

School or the Department of Higher Education website ([www.dhe.mo.gov](http://www.dhe.mo.gov)).

**Articulated Credit**

Articulation agreements are set up for certain career, technical or occupational courses that are offered through a postsecondary institution such as North Central Missouri College. Articulated credit is earned by successfully completing a career, technical, or occupational course with an 80% or higher. Enrollment for articulated credit must be made while the student is enrolled in the high school equivalent course. The college credit will appear on a college transcript once a student graduates high school and earns 15 hours of college credit through the post-secondary institution. There is no cost to the student for articulated credit.

**Dual Credit**

**Dual Enrollment**

Please see Mrs. Robinson for a Dual Enrollment Procedures handout and a Dual Enrollment Approval Form. There are specific procedures for how dual enrollment courses affect GPA, graduation requirements, transcripts, and weightedness. The approval form must be signed by student, parent, and guidance counselor prior to enrollment. Seniors who are enrolled in enough classes to meet graduation requirements may also enroll in an accredited college or licensed career center. Dual enrollment credit does not become a part of the high school transcript unless it qualifies for high school credit under the terms of the agreement with the college. Hardin-Central High School has dual credit classes with University of Central Missouri, State Fair Community College, Truman State, and Missouri State.

#### LAUNCH

If you need to make up course work that has been failed, Hardin-Central C-2 School District uses LAUNCH through Springfield Public Schools to provide this opportunity. LAUNCH courses are available for summer school too.

CAREER PLANNING

##### Purpose of Career Paths and Career Clusters

Career Paths

Career paths are clusters of occupations/careers grouped according to participants’ interests and talents or skills. All paths include a variety of occupations that require different levels of education and training. Thus, career paths provide a plan for all students, whatever their interests, abilities, talents, or desired levels of education. Selecting a career path provides a student with an area of FOCUS, along with FLEXIBILITY and a VARIETY of ideas to pursue. The focus of career paths is on helping students choose a career path, not a specific occupation. Selecting a career path is not a lifelong commitment; it is a place to begin focusing one’s energies. As students take different courses and learn more about themselves and careers, they will probably change career paths. Students who understand the career paths concept will be aware that there are a variety of other related possibilities if the first path no longer fits them. If different career paths become more interesting, the students can reevaluate plans, make appropriate decisions, and revise their high school plans as necessary.

### Benefits

Deciding on a career path can assist you in exploring your interests and preparing for your future. The intent is not for you to decide on a specific occupation for the rest of your life, but to select a career path into which you can begin directing your energies. Identifying a career path can help you in selecting school courses, activities, and part-time employment. It can also help guide your participation in job shadowing, career exploration and internships. A career path choice is not a permanent commitment. As you have new experiences, you learn new things about yourself and may decide to change career paths. If you decide on a different career path to explore, you should discuss it with your counselor and adjust your future course selections in accordance with your new career exploration.

#### Career Exploration Assessments

High school students complete career exploration assessments starting in the 8th grade. This is a way the student can identify an initial career path choice. Counselors will then use this information to assist students in making course selections and developing a five-year plan. The PLAN test is administered in the 10th grade. It provides an inventory that will indicate which career clusters interest the student. This will help the student update his/her personal plan of study and career path.

## CHOOSING A CAREER PATH OR CLUSTER

1. Identify your interests, abilities, and talents.

2. Identify the career path or cluster that relates to your interests, abilities, and talents.

3. Explore occupations in those career paths or clusters.

4. Decide how much education you want to receive after high school.

5. Develop a personal plan of study by selecting courses and co-curricular activities that relate to your career educational and career goal.

6. If undecided regarding a career path or cluster, choose courses from different career areas to give you a better idea of your interests.ATHS

**Career Planning Common Language**

**Individual Planning Vocabulary**

Guidance and Counseling

Missouri Department of Elementary and Secondary Education

August, 2011

**Definition and Purpose**:

1. **Guidance Grade Level Expectations (GLEs)**: The systematic, sequential and developmentally appropriate set of knowledge, skill and understanding for the K-12 guidance curriculum.
2. **Life Career Development**: Self-development over the life span through the integration of roles, settings, and events of a person's life.
3. **Individual Planning**: The process of on-going educational and career-planning services that helps all students develop personal plans of study organized around programs of study and their personal, career, and educational goals.
4. **Personal Plan of Study (PPOS)**: A student’s scope and sequence of coursework and related activities based upon their chosen Career Path or Career Cluster and their educational goals. Initiated in the eighth grade, it is designed to insure a successful post-secondary transition. The key component of the Individual Planning process.
5. **Program of Study (POS):** Secondary-to-postsecondary sequences of academic and career education coursework, along with additional learning opportunities, that lead students to attain a postsecondary degree or industry-recognized certificate or credential.
   1. **Process:**  Missouri currently uses a 10 step process for the development of Programs of Study that is aligned with federal guidelines which includes creation of POS templates and secondary/post-secondary curriculum alignment. This process is currently under review at the state level.
   2. **Template:** The model or form developed by schools that lists courses, occupations and additional learning opportunities to help students develop their personal plan of study. The completion of the POS template does not infer that the POS process has been completed.
6. **Career Paths (6) Clusters (16) Career Pathways (78):** A progressive framework to organize the world of work and career information. The framework provides the structure to assist students in understanding the world of work, and to organize course and co-curricular offerings in the school.
7. **Missouri Connections:**  A free web-based career and educational planning resource to help Missouri citizens determine their career interests, explore occupations, establish education plans, develop job search strategies, and create résumés.





##### CAREER PATHS & CAREER CLUSTERS

Arts

A/V Technology & Communications

**Arts and**

###### Communication

Health Science

###### Health Services

Education & Training

Government & Public Administration

Hospitality & Tourism

Human Services

Law, Public Safety & Security

###### Human Services

Architecture & Construction

Manufacturing

Science, Technology, Engineering & Mathematics

Transportation, Distribution & Logistics

###### Industrial & Engineering Technology

Agriculture, Food & Natural Resources

###### Business, Management & Technology

###### Natural Resources/Agriculture

Business, Management & Administration

Finance

Information Technology

Marketing, Sales and Service

**The Sixteen Career Clusters**

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| [ag](http://www.careerclusters.org/clusters/anr.cfm) | 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. |
| [AC](http://www.careerclusters.org/clusters/ac.cfm) | Careers in designing, planning, managing, building and maintaining the built environment. |
| [AV](http://www.careerclusters.org/clusters/av.cfm) | Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. |
| [Busi](http://www.careerclusters.org/clusters/ba.cfm) | 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](http://www.qklinkserver.com/lm/rtl3.asp?si=19903&k=career%20opportunities) are available in every sector of the economy. |
| [EdWeb2](http://www.careerclusters.org/clusters/et.cfm) | Planning, managing and providing education and training services, and related learning support services. |
| [Fin](http://www.careerclusters.org/clusters/f.cfm) | Planning, services for financial and [investment planning](http://www.qklinkserver.com/lm/rtl3.asp?si=19903&k=investment%20planning), banking, insurance, and business [financial management](http://www.qklinkserver.com/lm/rtl3.asp?si=19903&k=financial%20management). |
| [Govern](http://www.careerclusters.org/clusters/gpa.cfm) | 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. |
| [Health](http://www.careerclusters.org/clusters/h.cfm) | Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology [research and development](http://www.qklinkserver.com/lm/rtl3.asp?si=19903&k=research%20and%20development). |
| [Hosp](http://www.careerclusters.org/clusters/ht.cfm) | Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services. |
| [HumServ](http://www.careerclusters.org/clusters/hs.cfm) | Preparing individuals for employment in career pathways that relate to families and human needs. |

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| [Info](http://www.careerclusters.org/clusters/it.cfm) | 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. |
| [Law](http://www.careerclusters.org/clusters/lps.cfm) | Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services. |
| [ManufacWeb2](http://www.careerclusters.org/clusters/m.cfm) | 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. |
| [Market](http://www.careerclusters.org/clusters/mkg.cfm) | Planning, managing, and performing marketing activities to reach organizational objectives. |
| [Science](http://www.careerclusters.org/clusters/sre.cfm) | 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. |
| [Trans](http://www.careerclusters.org/clusters/t.cfm) | 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. |

**Hardin-Central High School**

**Career Clusters Program of Study Templates**

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

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

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

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

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

***Hardin-Central***

***Agriculture, Food & Natural Resources***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Ag. Science I  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | Ag. Science II  PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Green House Management  Natural Resources  Ag. Construction  Food Science I & II  Ag. Management  Crop Science  Ag. Structures  Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Green House Management  Natural Resources  Ag. Construction  Food Science I & II  Ag. Management  Crop Science  Ag. Structures  Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary Offerings – For A Complete Listing, go to** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | | | |
| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | | | **In State** | | | | | **Out of State/Other** |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Linn State Technical College**  [**www.linnstate.edu**](http://www.linnstate.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Mineral Area College**  [**www.mineralarea.edu**](http://www.mineralarea.edu)  **North Central Missouri College**  [**www.ncmissouri.edu**](http://www.ncmissouri.edu)  **Ozarks Technical Community College**  [**www.otc.edu**](http://www.otc.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **State Fair Community College**  [**www.sfccmo.edu**](http://www.sfccmo.edu)  **Three Rivers Community College**  [**www.trcc.edu**](http://www.trcc.edu) | | **Columbia Area Career Center**  [**www.career-center.org**](http://www.career-center.org)  **Davis Hart Career Center**  [**www.mexicoschools.net**](http://www.mexicoschools.net)  **Eldon Career Center**  [**www.eldoncareercenter.org**](http://www.eldoncareercenter.org)  **Hannibal Career and Technical Center**  [**www.hannibal.tec.mo.us**](http://www.hannibal.tec.mo.us)  **Kirksville Area Tech Center**  [www.kirksville.k12.mo.us](http://www.kirksville.k12.mo.us)  **Moberly Area Tech Center**  [www.moberly.k12.mo.us](http://www.moberly.k12.mo.us)  **Ranken Tech College**  [www.ranken.edu](http://www.ranken.edu)  **Waynesville Technical Academy**  [**www.waynesville.k12.mo.us**](http://www.waynesville.k12.mo.us) | | **A.T. Skill University of Health Sciences**  [**www.atsu.edu**](http://www.atsu.edu)  **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Culver-Stockon College**  [**www.culver.edu**](http://www.culver.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Fontbonne Univ -** [**www.fontbonne.edu**](http://www.fontbonne.edu)  **Hannibal-Lagrange College -**[**www.hlq.edu**](http://www.hlq.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood University**  [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville University of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **MO Southern State University**  [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri State University – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu)  **MO Univ of Science & Technology**  [www.mst.edu](http://www.mst.edu)  **Missouri Valley College**  [**www.moval.edu**](http://www.moval.edu) | | | **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Rockhurst University -** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis University**  [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Southeast MO State University** [**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist University**  [**www.sbuniv.edu**](http://www.sbuniv.edu)  **Stephens College -** [**www.stephens.edu**](http://www.stephens.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **University of MO – Columbia**  [www.missouri.edu](http://www.missouri.edu)  **University of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University**  [www.websteruniv.edu](http://www.websteruniv.edu)  **Westminster College**  [www.westminster-mo.edu](http://www.westminster-mo.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods** University  [www.williamwoods.edu](http://www.williamwoods.edu) | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Petropolis Academy of Grooming & Training -** [**www.petropolisacademy.com**](http://www.petropolisacademy.com)  **Midwest Institute**  [**www.midwestinstitute.com**](http://www.midwestinstitute.com) | |
| **Sample Careers By Educational Level – For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careerclusters.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | | | |
| **On-The-Job Training or Less** | | | | **Technical Training or Associate Degree** | | | **Bachelors Degree** | | **Masters Degree or More** | | |
| Animal Caretakers  Animal Trainers  Bakers  Commercial Fishers  Farm and Ranch Workers  Farm Equipment Mechanics  Farmers  Food Processing Workers  Log Graders and Scalers  Loggers  Meat Cutters  Mining Machine Operators  Nursery Workers  Rock Splitters  Trash Collectors  Veterinary Assistants  Water Treatment Plant Operators | | | | Fish and Game Wardens  Forestry Technicians  Precision Agriculture Technicians | | | Agricultural Engineers  Agricultural Scientists  Animal Scientists  Conservation Scientists  Farm and Home Management Advisors  Food Scientists  Foresters  Park Naturalists  Zoologists | | Agricultural Sciences Teachers, Postsecondary  Animal Scientists  Farm and Home Management Advisors  Veterinarians  Zoologists and Wildlife Biologists | | |

***Hardin-Central***

***Architecture & Construction***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Ag. Science I  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | Ag. Science II  PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Home Enviironemnt  Ag. Structures  Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Green House Management  Natural Resources  Ag. Construction  Food Science I & II  Ag. Management  Crop Science  Ag. Structures  Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | **In State** | | | | **Out of State/Other** |
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[**www.trcc.edu**](http://www.trcc.edu) | **Arcadia Valley Tech Center -** [**www.mineralarea.edu**](http://www.mineralarea.edu)  **Cape Girardeau Career/Tech Center**  [**www.cape.k12.mo.us/cc/default.htm**](http://www.cape.k12.mo.us/cc/default.htm)  **Clinton Tech School** [**www.clinton.k12.mo.us**](http://www.clinton.k12.mo.us)  **Columbia Area Career Ctr -** [**www.career-center.org**](http://www.career-center.org)  **Davis Hart Career Ctr-** [**www.mexicoschools.net**](http://www.mexicoschools.net)  **Eldon Career Ctr -** [**www.eldoncareercenter.org**](http://www.eldoncareercenter.org)  **Franklin Technology- MSSU** [**www.ftcjoplin.com**](http://www.ftcjoplin.com)  **Gibson Tech Ctr -** [**www.wolves.k12.mo.us/gtc**](http://www.wolves.k12.mo.us/gtc)  **Grand River Technical School -** [**www.grts.org**](http://www.grts.org)  **Hannibal Career and Technical Center**  [**www.hannibal.tec.mo.us**](http://www.hannibal.tec.mo.us)  **Herndon Career Center**  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University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri State University – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu) | | **MO University of Science & Technology**  [www.mst.edu](http://www.mst.edu)  **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Rockhurst University**  [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis University**  [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Sanford-Brown College**  [**www.sanford-browncollege.com**](http://www.sanford-browncollege.com)  **Southeast MO State University**  [**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist Univ -**[**www.sbuniv.edu**](http://www.sbuniv.edu)  **Stephens College -** [**www.stephens.edu**](http://www.stephens.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **Univ of MO – Columbia -**[www.missouri.edu](http://www.missouri.edu)  **Univ of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **University of Phoenix -** [**www.phoenix.edu**](http://www.phoenix.edu)  **Vatterott College**  [**www.vatterott-college.edu**](http://www.vatterott-college.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University -** [www.websteruniv.edu](http://www.websteruniv.edu)  **Westminster College**  [www.westminster-mo.edu](http://www.westminster-mo.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods** University  [www.williamwoods.edu](http://www.williamwoods.edu) | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Foley-Belsaw Institute**  [**www.foley-belsaw.com**](http://www.foley-belsaw.com)  **Colorado Technical University**  [**www.coloradotech.com**](http://www.coloradotech.com)  **DeVry University**  [**www.drury.edu**](http://www.drury.edu)  **Grantham University**  [**www.grantham.edu**](http://www.grantham.edu)  **ITT Technical Institute**  [**www.itt-tech.edu**](http://www.itt-tech.edu)  **MERS/Missouri Goodwill Industries**  [**www.mersgoodwill.org**](http://www.mersgoodwill.org)  **Missouri Welding Institute**  [**www.nwi.ws**](http://www.nwi.ws)  **National American University**  [**www.national.edu**](http://www.national.edu) |
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| **On-The-Job Training or Less** | | | **Technical Training or Associate Degree** | | **Bachelors Degree** | | **Masters Degree or More** | |
| Bricklayers, Stonemasons and Cement Masons  [Cabinetmakers](http://www.missouriconnections.org/info2.aspx?FileID=Occ&FileNum=100264&TopicNum=0) and Carpenters  Drywall Finishers & installers and Plasterers  Electricians  Fence Builders  Heating and Cooling System Mechanics  Highway Maintenance Workers & Paving Equip Operators  Line Installers and Repairers  Plumbers and Pipefitters  Roofers  Sheet Metal Workers and Structural Metal Workers  Surveying and Mapping Technicians  Tile Setters | | | Commercial Divers  Drafters  Energy Auditors  Interior Designers | | Architects  Construction Managers  Cost Estimators  Landscape Architects  Surveyors | | Architects, Except Landscape and Naval  Architecture Teachers, Postsecondary  Engineering Managers  Engineering Teachers, Postsecondary  Historians  Operations Research Analysts  Political Scientists  Sociologists  Sociology Teachers, Postsecondary | |

***Hardin-Central***

***Arts, A/V Technology & Communications***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Ag. Science I  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | Ag. Science II  PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Green House Management  Natural Resources  Ag. Construction  Food Science I & II  Ag. Management  Crop Science  Ag. Structures  Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Green House Management  Natural Resources  Ag. Construction  Food Science I & II  Ag. Management  Crop Science  Ag. Structures  Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | **In State** | | | | **Out of State/Other** | |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Linn State Technical College**  [**www.linnstate.edu**](http://www.linnstate.edu)  **Metropolitan Comm College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Mineral Area College**  [**www.mineralarea.edu**](http://www.mineralarea.edu)  **Moberly Area Comm College**  [**www.macc.edu**](http://www.macc.edu)  **Ozarks Tech Comm College**  [**www.otc.edu**](http://www.otc.edu)  **St. Charles Comm College**  [www.stchas.edu](http://www.stchas.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **State Fair Community College**  [**www.sfccmo.edu**](http://www.sfccmo.edu)  **Three Rivers Comm College**  [**www.trcc.edu**](http://www.trcc.edu) | **Cape Girardeau Career/Tech Center**  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**Maryville Univ of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Messenger College**  [**www.messengercollege.edu**](http://www.messengercollege.edu)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **Missouri College**  [**www.missouricollege.com**](http://www.missouricollege.com)  **MO Southern State Univ -** [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu) | | **Missouri State University – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu)  **Missouri Valley College –**[**www.moval.edu**](http://www.moval.edu)  **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Ozark Christian College –** [**www.occ.edu**](http://www.occ.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  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| **Sample Careers By Educational Level - For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careerclusters.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | |
| **On-The-Job Training or Less** | | | **Technical Training or Associate Degree** | | **Bachelors Degree** | | **Masters Degree or More** | | |
| Actors  Bookbinders and Bindery Workers  Camera/Photographic Equipment Repairers  Communications Equipment Mechanics  Costume and Wardrobe Specialists  Dancers  Fine Artists  Floral Designers  Movie Projectionists  Musical Instrument Repairers and Tuners  Musicians and Singers  Painting, Coating, and Decorating Workers  Photographers  Potters  Printing Press Operators  Proofreaders Ushers and Ticket Takers | | | Audio and Video Equipment Technicians  Broadcast Technicians and Sound Engineering Techs  Camera Operators, Film and Video Editors  Choreographers  Communications Equipment Mechanics  Computer, Automated Teller, & Office Machine Repairers  Desktop Publishers and Page Layout Workers  Directors- Stage, Motion Pictures, Television, and Radio  Electronic Home Entertainment Equipment Installers/Repairers  Fashion Designers and Interior Designers  Fine Artists, Including Painters, Sculptors, and Illustrators  Multi-Media Artists and Animators  Music Directors  Poets, Lyricists and Creative Writers  Producers  Radio Mechanics and Operators  Telecommunications Equipment Installers and Repairers | | Agents and Business Managers$47,240  Animators and Multi-media Artists$46,170  Art Directors and Talent Directors$73,800  Broadcast News Analysts and News Reporters  Copy Writers, Technical Writers and Editors  Directors- Stage, Motion Pictures, Television, and Radio  Film and Video Editors$38,260  Graphic Designers$40,080  Industrial Designers$52,070  Interpreters and Translators  Multi-Media Artists and Animators  Museum Technicians and Conservators$31,180  Music Composers, Directors, and Arrangers  Poets, Lyricists and Creative Writers  Proofreaders and Copy Markers  Reporters and Correspondents  Set and Exhibit Designers44,070  Vocational Education Teachers, Postecondary $46,69 | | Art, Drama, and Music Teachers, Postsecondary  Communications Teachers, Postsecondary  English Language and Literature Teachers, Postsecondary  Historians  Libraans | | |

***Hardin-Central***

***Business Management & Administration***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Art I  Multi-Media |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Spanish I & II  PE  Art I  Art II  Accounting I |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary Offerings – For A Complete Listing, go to** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | |
| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | **In State** | | | | **Out of State/Other** | |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Mineral Area College**  [**www.mineralarea.edu**](http://www.mineralarea.edu)  **Moberly Area Community College**  [**www.macc.edu**](http://www.macc.edu)  **North Central Missouri College**  [**www.ncmissouri.edu**](http://www.ncmissouri.edu)  **Ozarks Technical Comm College**  [**www.otc.edu**](http://www.otc.edu)  **St. Charles Community College**  [www.stchas.edu](http://www.stchas.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **State Fair Community College**  [**www.sfccmo.edu**](http://www.sfccmo.edu)  **Three Rivers Community College**  [**www.trcc.edu**](http://www.trcc.edu) | **Cape Girardeau Career/Tech Center**  [**www.cape.k12.mo.us/cc/default.htm**](http://www.cape.k12.mo.us/cc/default.htm)  **Clinton Tech School**  [**www.clinton.k12.mo.us**](http://www.clinton.k12.mo.us)  **Eldon Career Center -** [**www.eldoncareercenter.org**](http://www.eldoncareercenter.org)  **Franklin Technology- MSSU** [**www.ftcjoplin.com**](http://www.ftcjoplin.com)  **Grand River Technical School**  [**www.grts.org**](http://www.grts.org)  **Hillyard Technical Center**  [www.hillyardtech.com](http://www.hillyardtech.com)  **Kirksville Area Tech Center**  [www.kirksville.k12.mo.us](http://www.itt-tech.edu)  **Lex La-Ray Tech Center**  [www.lexington.k12.mo.us](http://www.lexington.k12.mo.us)  **Moberly Area Tech Center** [www.moberly.k12.mo.us](http://www.moberly.k12.mo.us)  **Northwest Tech School -** [www.maryville.k12.mo.us](http://www.maryville.k12.mo.us)  **Pike-Lincoln Tech Center**  [**www.pltc.k12.mo.us**](http://www.pltc.k12.mo.us)  **Ranken Tech College -** [www.ranken.edu](http://www.ranken.edu)  **Saline County Career Center**  [**www.marshallschools.com/sccc**](http://www.marshallschools.com/sccc)  **Sikeston Career and Technology Center**  [**www.sikeston.k12.mo.us**](http://www.sikeston.k12.mo.us) | | **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Baptist Bible College -** [**www.baptist.edu**](http://www.baptist.edu)  **Bryan College -** [**www.bryancollege.com**](http://www.bryancollege.com)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Culver-Stockon College -** [**www.culver.edu**](http://www.culver.edu)  **DeVry University –** [**www.devry.edu**](http://www.devry.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Everest College -** [**www.everest-college.com**](http://www.everest-college.com)  **Fontbonne Univ -** [**www.fontbonne.edu**](http://www.fontbonne.edu)  **Hannibal-Lagrange College -**[**www.hlq.edu**](http://www.hlq.edu)  **Harris-Stowe State Univ -** [**www.hssu.edu**](http://www.hssu.edu)  **Hickey College -** [**www.hickeycollege.edu**](http://www.hickeycollege.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville Univ of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Messenger College**  [**www.messengercollege.edu**](http://www.messengercollege.edu)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **Missouri College**  [**www.missouricollege.com**](http://www.missouricollege.com)  **MO Southern State Univ -** [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri State University – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu) | | **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Patricia Stevens College**  [**www.patriciastevenscollege.edu**](http://www.patriciastevenscollege.edu)  **Rockhurst University -** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis University**  [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Sanford-Brown College**  [**www.sanford-browncollege.com**](http://www.sanford-browncollege.com)  **Southeast MO State Univ -**[**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist Univ -**[**www.sbuniv.edu**](http://www.sbuniv.edu)  **Stephens College -** [**www.stephens.edu**](http://www.stephens.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **Univ of MO – Columbia -**[www.missouri.edu](http://www.missouri.edu)  **Univ of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – Rolla –** [**www.umr.edu**](http://www.umr.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **Univ of Phoenix –** [**www.phoenix.edu**](http://www.phoenix.edu)  **Vatterott College**  [**www.vatterott-college.edu**](http://www.vatterott-college.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University -** [www.websteruniv.edu](http://www.websteruniv.edu)  **Westminster College**  [www.westminster-mo.edu](http://www.westminster-mo.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods University**  [www.williamwoods.edu](http://www.williamwoods.edu) | | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Colorado Technical University**  [**www.coloradotech.com**](http://www.coloradotech.com)  **Daruby School**  [**www.darubyschool.com**](http://www.darubyschool.com)  **Grantham University**  [**www.grantham.edu**](http://www.grantham.edu)  **ITT Technical Institute**  [**www.itt-tech.edu**](http://www.itt-tech.edu)  **Metro Business College**  [**www.metrobusinesscollege.edu**](http://www.metrobusinesscollege.edu)  **MVC Computer & Business School**  [**www.mvcschool.com**](http://www.mvcschool.com)  **National American University**  [**www.national.edu**](http://www.national.edu)  **TechSkills**  [**www.techskills.com**](http://www.techskills.com)  **Texas County Technical Institute**  [**www.texascountytech.edu**](http://www.texascountytech.edu) | |
| **Sample Careers By Educational Level – For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careerclusters.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | |
| **On-the-Job Training** | | | **Technical Training or Associate Degree** | | **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 | | |

***Hardin-Central***

***Education & Training***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Art I  Child Development  Nutrition and Wellness  Family Living |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | PE  Art I  Art II  Nutrition and Wellness  Child Development  Nutrition and Wellness  Family Living |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Spanish I & II  PE  Art I  Art II  A+  Nutrition and Wellness  Child Development  Family Living |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Spanish I & II  PE  Art I  Art II  Cadet Teaching  A+  Child Development  Family Living |  |

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| **Postsecondary Offerings - For A Complete Listing, go to** [**www.missouriconnections.org**](http://www.missouriconnections.org)**.** | | | | | | | | | | |
| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | | **In State** | | | | | **Out of State/Other** |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Mineral Area College**  [**www.mineralarea.edu**](http://www.mineralarea.edu)  **Moberly Area Community College**  [**www.macc.edu**](http://www.macc.edu)  **North Central Missouri College**  [**www.ncmissouri.edu**](http://www.ncmissouri.edu)  **Ozarks Tech Community College**  [**www.otc.edu**](http://www.otc.edu)  **St. Charles Community College**  [www.stchas.edu](http://www.stchas.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **State Fair Community College**  [**www.sfccmo.edu**](http://www.sfccmo.edu)  **Three Rivers Community College**  [**www.trcc.edu**](http://www.trcc.edu) | |  | | **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Cottey College -** [**www.cottey.edu**](http://www.cottey.edu)  **Culver-Stockon College**  [**www.culver.edu**](http://www.culver.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Fontbonne Univ -** [**www.fontbonne.edu**](http://www.fontbonne.edu)  **Hannibal-Lagrange College**  [**www.hlq.edu**](http://www.hlq.edu)  **Harris-Stowe State Univ -**[**www.hssu.edu**](http://www.hssu.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **Maryville University of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Messenger College**  [**www.messengercollege.edu**](http://www.messengercollege.edu)  **MO Southern State University**  [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri State University – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu)  **Missouri Valley College –**[**www.moval.edu**](http://www.moval.edu)  **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu) | | **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Rockhurst University** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis Univ -** [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **St Louis Christian College**  [**www.slcconline.edu**](http://www.slcconline.edu)  **Southeast MO State University**  [**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist University**  [**www.sbuniv.edu**](http://www.sbuniv.edu)  **Stephens College -** [**www.stephens.edu**](http://www.stephens.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **University of MO – Columbia**  [www.missouri.edu](http://www.missouri.edu)  **University of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **University of MO – St Louis** [**www.umsl.edu**](http://www.umsl.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Westminster College**  [**www.westminster-mo.edu**](http://www.westminster-mo.edu)  **Webster University**  [www.websteruniv.edu](http://www.websteruniv.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods University**  [www.williamwoods.edu](http://www.williamwoods.edu) | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Baptist Bible College & Graduate School** [**www.baptist.edu**](http://www.baptist.edu)  **Calvary Bible College and Theological Seminary -** [**www.calvary.edu**](http://www.calvary.edu)  **Colorado Technical University**  [**www.coloradotech.com**](http://www.coloradotech.com)  **Conception Seminary College**  [**www.conceptionabbey.org**](http://www.conceptionabbey.org)  **Grantham University**  [**www.grantham.edu**](http://www.grantham.edu)  **National American University**  [**www.national.edu**](http://www.national.edu)  **Paris II Educational Center**  [**www.parisii.net**](http://www.parisii.net)  **Wentworth Military Academy**  [**www.wma1880.org**](http://www.wma1880.org) | |
| **Sample Careers By Educational Level - For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careerclusters.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | | |
| **On-The-Job Training or Less** | | | | **Technical Training or Associate Degree** | | **Bachelors Degree** | | **Masters Degree or More** | | |
| Audi-Visual Specialists  Coaches and Scouts  Library Assistant  Teacher Aides | | | | Adult and Vocational Education Instructors  Fitness Trainers and Aerobics Instructors  Library Technical Assistants  Preschool Teachers  Teacher Assistants | | Adult and Vocational Education Instructors  Adult Literacy, Remedial Education, GED Teachers  Audio-Visual Specialists  Education Administrators  Elementary School Teachers  Employee Training Specialists  High School Teachers  Kindergarten Teachers  Middle School Teachers  Poets, Lyricists, and Creative Writer  Public Health Educators  Special Education Teachers | | Adult and Vocational Education Instructors  Audiologists  Coaches and Scouts  College and University Administrators  Curriculum and Instruction  Dieticians and Nutritionists  Education Administrators  Historians  Instructional Coordinators  Librarians  School Psychologists  Speech Pathologists  Teacher | | |

***Hardin-Central***

***Finance***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Ag. Science I  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | Ag. Science II  PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary** | **Community College** | | **Technical School** | **In State** | | | | | **Out of State/Other** | |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Moberly Area Community College**  [**www.macc.edu**](http://www.macc.edu)  **North Central Missouri College**  [**www.ncmissouri.edu**](http://www.ncmissouri.edu)  **Ozarks Technical Comm College**  [**www.otc.edu**](http://www.otc.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **St. Charles Community College**  [www.stchas.edu](http://www.stchas.edu)  **State Fair Community College**  [**www.sfccmo.edu**](http://www.sfccmo.edu)  **Three Rivers Community College**  [**www.trcc.edu**](http://www.trcc.edu) | |  | | **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Culver-Stockon College**  [**www.culver.edu**](http://www.culver.edu)  **DeVry University –** [**www.devry.edu**](http://www.devry.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Everest College**  [**www.everest-college.com**](http://www.everest-college.com)  **Fontbonne Univ -** [**www.fontbonne.edu**](http://www.fontbonne.edu)  **Hannibal-Lagrange College**  [**www.hlq.edu**](http://www.hlq.edu)  **Hickey College -** [**www.hickeycollege.edu**](http://www.hickeycollege.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville Univeristy of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Missouri College**  [**www.missouricollege.com**](http://www.missouricollege.com)  **MO Southern State University**  [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri Valley College**  [**www.moval.edu**](http://www.moval.edu)  **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu) | | **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Rockhurst University** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis University**  [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Southeast MO State University**  [**www.semo.edu**](http://www.semo.edu)  **Stephens College -** [**www.stephens.edu**](http://www.stephens.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **Univ of MO – Columbia**  [www.missouri.edu](http://www.missouri.edu)  **University of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – Rolla –** [**www.umr.edu**](http://www.umr.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University -** [www.websteruniv.edu](http://www.websteruniv.edu)  **Westminster College**  [www.westminster-mo.edu](http://www.westminster-mo.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods University**  [www.williamwoods.edu](http://www.williamwoods.edu)  **Vatterott College**  [**www.vatterott-college.edu**](http://www.vatterott-college.edu) | | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Colorado Technical University**  [**www.coloradotech.com**](http://www.coloradotech.com)  **National American University**  [**www.national.edu**](http://www.national.edu) |
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| **On-the-Job Training** | | **Technical or Associate Degree** | | | | **Bachelors Degree** | | **Masters Degree or More** | | |
| Bank Tellers  Bill and Account Collectors  Brokerage Clerks  Credit Checkers and Authorizers  Insurance Adjusters and Examiners  Insurance Claims Clerk  Insurance Policy and Claims Clerks  Loan Clerks  Tax Preparers  Title Examiners and Searchers | | Claims Examiners, Property and Casualty Insurance  Insurance Appraisers, Auto Damage  Insurance Sales Agents  Insurance Underwriters | | | | Accountants and Auditors  Appraisers and Assessors  Budget Analysts  Credit Analysts  Financial Analysts  Financial Examiners  Financial Managers  Insurance Agents  Insurance Underwriters  Loan Officers  Securities Salespeople | | Actuaries  Business Teacher, Postsecondary  Economists  Treasurers and Controllers | | |

***Hardin-Central***

***Government & Public Administration***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | Ag. Science II  PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Spanish I & II  PE  Art I  Art II |  |
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| **On-The-Job Training or Less** | **Technical Training or Associate Degree** | **Bachelors Degree** | **Masters Degree or More** |
| Compliance Officers and Inspectors  Government Benefits Interviewers  Interpreters and Translators  License Clerks  Mail Carriers  Meter Readers  Postal Clerks | Assessors  Eligibility Interviewers, Government Programs  General, Operations and Transportation Managers  Government Property Inspectors and Investigators  Licensing Examiners and Inspectors  Mapping Technicians  Municipal and Court Clerks  Postmasters and Mail Superintendents  Surveying Technicians  Tax Examiners, Collectors, and Revenue Agents  Tax Preparers | Administrative Services Managers  Broadcast News Analysts & Public Relations Specialists  City and Regional Planning Aides  Emergency Management Specialists  Equal Opportunity Representatives and Officers  Financial Examiners  Legislators  Reporters and Correspondents  Social and Community Service Managers  Storage and Distribution Managers  Urban and Regional Planners | Architecture Teachers, Postsecondary  Chief Executives  Communications Teachers, Postsecondary  Coroners  Economists  Engineering Managers  Political Science Teachers, Postsecondary  Political Scientists |

***Hardin-Central***

***Health Sciences***

**Career Cluster Program of Study Template**

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| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | Ag. Science II  PE  Art I  Art II |  |
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[**www.cape.k12.mo.us/cc/default.htm**](http://www.cape.k12.mo.us/cc/default.htm)  **Cass Career Center**  [**www.harrisonville.k12.mo.us**](http://www.harrisonville.k12.mo.us)  **Columbia Career Center**  [**www.career-center.org**](http://www.career-center.org)  **Four Rivers Technical Center**  [**www.washington.k12.mo.us**](http://www.washington.k12.mo.us)  **Franklin Tech - MSSU** [**www.ftcjoplin.com**](http://www.ftcjoplin.com)  **Grand River Tech School -** [**www.grts.org**](http://www.grts.org)  **Herndon Career Center**  [**www.herndoncareercenter.com**](http://www.herndoncareercenter.com)  **Hillyard Technical Center**  [www.hillyardtech.com](http://www.hillyardtech.com)  **Kennett Career and Technology Center**  [**www.kennett.k12.mo.us**](http://www.kennett.k12.mo.us)  **Lex La-Ray Tech Ctr -** [www.lexington.k12.mo.us](http://www.lexington.k12.mo.us)  **Moberly Area Tech Center** [www.moberly.k12.mo.us](http://www.moberly.k12.mo.us)  **Northland Career Center**  [**www.northlandcareercenter.com**](http://www.northlandcareercenter.com)  **Northwest Tech School -** [www.maryville.k12.mo.us](http://www.maryville.k12.mo.us)  **Poplar Bluff Schools -** [**www.r1schools.org**](http://www.r1schools.org)  **Sikeston Career and Technology Center**  [**www.sikeston.k12.mo.us**](http://www.sikeston.k12.mo.us)  **South Central Career Center**  [**www.wphs.k12.mo.us**](http://www.wphs.k12.mo.us)  **Waynesville Technical Academy**  [**www.waynesville.k12.mo.us**](http://www.waynesville.k12.mo.us) | | **AT Skill University of Health Sciences**  [**www.atsu.edu**](http://www.atsu.edu)  **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Bryan College -** [**www.bryancollege.com**](http://www.bryancollege.com)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Culver-Stockon College -** [**www.culver.edu**](http://www.culver.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Everest College**  [**www.everest-college.com**](http://www.everest-college.com)  **Fontbonne Univ -** [**www.fontbonne.edu**](http://www.fontbonne.edu)  **Hannibal-Lagrange College**  [**www.hlq.edu**](http://www.hlq.edu)  **Harris-Stowe State Univ -**[**www.hssu.edu**](http://www.hssu.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville Univ of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Missouri College**  [**www.missouricollege.com**](http://www.missouricollege.com)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **MO Southern State Univ -** [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri State University – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu) | | **Missouri Valley College –**[**www.moval.edu**](http://www.moval.edu)  **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Patricia Stevens College**  [**www.patriciastevenscollege.edu**](http://www.patriciastevenscollege.edu)  **Rockhurst University -** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis Univ -** [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Sanford-Brown College**  [**www.sanford-browncollege.com**](http://www.sanford-browncollege.com)  **Southeast MO State Univ -**[**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist Univ -**[**www.sbuniv.edu**](http://www.sbuniv.edu)  **Stephens College -** [**www.stephens.edu**](http://www.stephens.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **Univ of MO – Columbia -**[www.missouri.edu](http://www.missouri.edu)  **Univ of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **Univ of Phoenix –** [**www.phoenix.edu**](http://www.phoenix.edu)  **Vatterott College**  [**www.vatterott-college.edu**](http://www.vatterott-college.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University -** [www.websteruniv.edu](http://www.websteruniv.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods University**  [www.williamwoods.edu](http://www.williamwoods.edu) | | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Allied College -** [**www.hightechinstitute.edu**](http://www.hightechinstitute.edu)  **Barnes-Jewish College of Nursing & Allied Health -** [**www.barnesjewishcollege.edu**](http://www.barnesjewishcollege.edu)  **Cleveland Chiropractic College**  [**www.cleveland.edu**](http://www.cleveland.edu)  **Colorado Tech Univ** [**www.coloradotech.com**](http://www.coloradotech.com)  **Cox Health -** [**www.coxhealth.com**](http://www.coxhealth.com)  **Chamberlain College of Nursing**  [**www.chamberlain.edu**](http://www.chamberlain.edu)  **Heritage Coll -** [**www.heritage-college.com**](http://www.heritage-college.com)  **Cox College of Nursing & Health Science**  [**www.coxcollege.edu**](http://www.coxcollege.edu)  **Logan Coll of Chiropractic -** [**www.logan.edu**](http://www.logan.edu)  **Lutheran School of Nursing**  [**www.nursingschooollmc.com**](http://www.nursingschooollmc.com)  **Kansas City Univ of Med & Biosciences -** [**www.kcumb.edu**](http://www.kcumb.edu)  **Research Med Ctr School of Nuclear Med** [**www.researchmedicalcenter.com**](http://www.researchmedicalcenter.com)  **St John’s Reg Health Ctr -**[**www.stjohns.com**](http://www.stjohns.com)  **Saint Luke’s College -** [**www.saint-lukes.org**](http://www.saint-lukes.org)  **St Louis College of Health Careers** [**www.slchc.com**](http://www.slchc.com)  **St Louis Coll Pharmacy -** [**www.stlcoop.edu**](http://www.stlcoop.edu)  **Southeast MO Hospital College of Nursing**  [**www.souteastmissourihospital.com**](http://www.souteastmissourihospital.com)  **Truman Med Ctr School - Nurse Anesthesia**  [**www.trumed.org**](http://www.trumed.org) |
| **Sample Careers By Educational Level - For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careercluster.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | |
| **On-The-Job Training or Less** | | | **Technical Training or Associate Degree** | | **Bachelors Degree** | | **Masters Degree or More** | | |
| Dental Assistants  Dental Laboratory Technicians  Home Health Aides  Medical Appliance Technicians  Medical Assistants  Medical Equipment Preparers  Medical Secretaries  Personal and Home Care Aides  Pharmacy Aides  Pharmacy Technicians  Physical Therapist Aides  Psychiatric Aides | | | Cardiovascular Technologists  Dental Hygienists  Emergency Medical Technicians  Health Information Technicians  Licensed Practical Nurses  Medical Laboratory Technicians  Medical Sonographers  Medical Transcriptionists  Nursing Assistants  Occupational Therapist Assistants  Physical Therapist Assistants  Radiation Therapists  Radiologic Technologists  Registered Nurses  Respiratory Therapists  Surgical Technologists  Veterinary Technologists and Technicians | | Administrative Services Managers  Athletic Trainers  Biomedical Engineers  Computer Programmers  Computer Software Engineers, Applications  Dietitians  Health Educators  Medical and Clinical Laboratory Technologists  Medical Laboratory Technologists  Occupational Health and Safety Specialists  Orthotic and Prosthetic Specialists  Petroleum Engineers  Public Relations Specialists  Recreational Therapists  Rehabilitation Counselors | | Athletic Trainers, Physical and Occupational Therapists  Biologists, Physicists, Hydrologists, Epidemiologists  Clinical Psychologists and Mental Health Counselors  Computer and Information Scientists, Research  Dietitians and Nutritionists  Farm and Home Management Advisors  Health Specialties Teachers, Postsecondary  Home Economics Teachers, Postsecondary  Medical and Health Services Managers  Medical Scientists, Except Epidemiologists  Natural Sciences Mgrs, Zoologists and Wildlife Biologists  Nurse Anesthetists and Physician Assistants  Orthotics and Prosthetics  Pharmacists  Speech-Language Pathologists  Communications Teachers, Postsecondary  Veterinarians | | |

***Hardin-Central***

***Hospitality & Tourism***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Ag. Science I  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | Ag. Science II  PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary Offerings - For A Complete Listing, go to** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | |
| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | **In State** | | | | **Out of State/Other** | |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Mineral Area College**  [**www.mineralarea.edu**](http://www.mineralarea.edu)  **Ozarks Tech Community College**  [**www.otc.edu**](http://www.otc.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **Three Rivers Community College**  [**www.trcc.edu**](http://www.trcc.edu) | **Cape Girardeau Career/Tech Center**  [**www.cape.k12.mo.us/cc/default.htm**](http://www.cape.k12.mo.us/cc/default.htm)  **Gibson Technical Center**  [**www.wolves.k12.mo.us/gtc**](http://www.wolves.k12.mo.us/gtc)  **Lake Career and Technical Center**  [**www.camdentonschools.org**](http://www.camdentonschools.org)  **Lebanon Technology Career Center**  [**www.lebanon.k12.mo.us**](http://www.lebanon.k12.mo.us)  **Macon Area Vocational Technical School**  [**www.macon.k12.mo.us/vocational**](http://www.macon.k12.mo.us/vocational)  **Northland Career Center**  [**www.northlandcareercenter.com**](http://www.northlandcareercenter.com)  **Northwest Tech School -** [www.maryville.k12.mo.us](http://www.maryville.k12.mo.us)  **Nevada Regional Technical Center**  [**www.nevada.k12.mo.us.us**](http://www.nevada.k12.mo.us.us)  **Pemiscot County Career & Tech Ctr**  **South Central Career Center**  [**www.wphs.k12.mo.us**](http://www.wphs.k12.mo.us)  **Waynesville Technical Academy**  [**www.waynesville.k12.mo.us**](http://www.waynesville.k12.mo.us) | | **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Culver-Stockon College**  [**www.culver.edu**](http://www.culver.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Fontbonne Univ -** [**www.fontbonne.edu**](http://www.fontbonne.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **MO Southern State University**  [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri Valley College**  [**www.moval.edu**](http://www.moval.edu)  **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu) | | **Park University -** [**www.park.edu**](http://www.park.edu)  **Rockhurst University -** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis Univ -** [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Southeast MO State Univ -**[**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist Univ -**[**www.sbuniv.edu**](http://www.sbuniv.edu)  **Stephens College -** [**www.stephens.edu**](http://www.stephens.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **Univeristy of MO – Columbia**  [www.missouri.edu](http://www.missouri.edu)  **Univ of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University**  [www.websteruniv.edu](http://www.websteruniv.edu)  **Westminster College**  [**www.westminster-mo.edu**](http://www.westminster-mo.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods University**  [www.williamwoods.edu](http://www.williamwoods.edu) | | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Kansas City Art Institute**  [**www.kcai.edu**](http://www.kcai.edu)  **Lecole Culinaire**  [www.lecoleculinarie.com](http://www.lecoleculinarie.com)  **Midwestern Baptist Theological Seminary** – [www.mbts.edu](http://www.mbts.edu) |
| **Sample Careers By Educational Level - For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careerclusters.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | |
| **On-The-Job Training or Less** | | | **Technical Training or Associate Degree** | | **Bachelors Degree** | | **Masters Degree or More** | | |
| Amusement and Recreation Workers  Baggage Porters and Bellhops  Bartenders  Casino Gaming Workers  Chefs and Dinner Cooks  Concierges  Counter Attendants  Fast Food Cooks  Food Preparation Workers  Hotel Desk Clerks  Janitors and Cleaners  Kitchen Helpers  Maids and Housekeepers  Professional Athletes  Recreation Attendants  Recreation Guides  Recreation Workers  Reservation and Ticket Agents  Restaurant Hosts  Tour Guides  Umpires and Referees  Waiters and Waitresses | | | Animal Trainers  Casino Gaming Workers  First-Line Supervisors/Managers of Housekeeping and Janitorial Workers  Flight Attendants  Food Service Managers  Lodging Managers  Reservation and Transportation Ticket Agents and Travel Clerks  Residential Advisors  Self Enrichment Education Teachers  Travel Agents | | Interpreters and Translators  Meeting and Convention Planners  Recreation Workers  Set and Exhibit Designers  Social and Community Service Managers | | Farm and Home Management Advisors | | |

***Hardin-Central***

***Human Services***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Art  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary** | **Community College** | | **Technical School/Training Institution** | | **In State** | | | | | **Out of State/Other** | |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu) | **Colorado Technical University**  [**www.coloradotech.com**](http://www.coloradotech.com)  **Davis Hart Career Center**  [**www.mexicoschools.net**](http://www.mexicoschools.net)  **Herndon Career Center**  [**www.herndoncareercenter.com**](http://www.herndoncareercenter.com)  **Heritage Tech Institute**  [**www.hightechinstitute.edu**](http://www.hightechinstitute.edu)  **Massage Therapy Training Institute**  [**www.massagetherapytraininginstitute.com**](http://www.massagetherapytraininginstitute.com)  **Midwest Institute**  [**www.midwestinstitute.com**](http://www.midwestinstitute.com)  **Neosho Beauty College**  [**www.neoshobeautycollege.com**](http://www.neoshobeautycollege.com)  **Paris II Educational Center -** [**www.parisii.net**](http://www.parisii.net)  **Patsy & Robs Academy of Beauty**  [**www.praob.edu**](http://www.praob.edu)  **Pinnacle Career Institute**  [**www.pcitraining.edu**](http://www.pcitraining.edu)  **Professional Massage Training Center**  [**www.pmtc.edu**](http://www.pmtc.edu)  **Regency Beauty Institute**  [**www.regencybeauty.com**](http://www.regencybeauty.com)  **St Charles School of Massage Therapy**  [**www.dayspaacademy.net**](http://www.dayspaacademy.net) | | | | **Allied College -** [**www.alliedcollege.edu**](http://www.alliedcollege.edu)  **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Central Bible College –** [**www.cbcag.edu**](http://www.cbcag.edu)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Conception Seminary College**  [**www.conceptionabbey.org**](http://www.conceptionabbey.org)  **Culver-Stockon College**  [**www.culver.edu**](http://www.culver.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Fontbonne Univ -** [**www.fontbonne.edu**](http://www.fontbonne.edu)  **Hannibal-Lagrange College**  [**www.hlq.edu**](http://www.hlq.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville University of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Messenger College**  [**www.messengercollege.edu**](http://www.messengercollege.edu)  **Metro Business College**  [**www.metrobusinesscollege.edu**](http://www.metrobusinesscollege.edu)  **Midwest University -** [**www.midwest.edu**](http://www.midwest.edu)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **Missouri College**  [**www.missouricollege.com**](http://www.missouricollege.com)  **Missouri College of Cosmetology**  [**www.missouricosmo.com**](http://www.missouricosmo.com)  **MO Southern State University** [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri Valley College**  [**www.moval.edu**](http://www.moval.edu) | | **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Ozark Christian College -** [**www.occ.edu**](http://www.occ.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Rockhurst University** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis Christian College**  [**www.slcconlin.edu**](http://www.slcconlin.edu)  **St Louis College of Health Careers**  [**www.slchc.com**](http://www.slchc.com)  **Saint Louis Univ -** [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Sanford-Brown College**  [**www.sanford-browncollege.com**](http://www.sanford-browncollege.com)  **Southeast MO State University** [**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist University**  [**www.sbuniv.edu**](http://www.sbuniv.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **University of MO – Columbia**  [www.missouri.edu](http://www.missouri.edu)  **University of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **Vatterott College**  [**www.vatterott-college.edu**](http://www.vatterott-college.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University -** [www.websteruniv.edu](http://www.websteruniv.edu)  **Westminster College**  [**www.westminster-mo.edu**](http://www.westminster-mo.edu)  **William Woods University**  [www.williamwoods.edu](http://www.williamwoods.edu) | | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Aquinas Institute of Theology** [**www.ai.edu**](http://www.ai.edu)  **Assemblies of God Theological Seminary –** [**www.agts.edu**](http://www.agts.edu)  **Calvary Bible College & Theological Seminary –** [**www.calvary.edu**](http://www.calvary.edu)  **Chillicothe Beauty Academy**  [**www.chillicothecosmetology.com**](http://www.chillicothecosmetology.com)  **Concordia Seminary -** [**www.csl.edu**](http://www.csl.edu)  **Cosmetology Concepts Institute**  [**www.cosmetology-concepts.com**](http://www.cosmetology-concepts.com)  **Covenant Theological Seminary**  [**www.covenantseminary.edu**](http://www.covenantseminary.edu)  **Eden Theological Seminary** [**www.eden.edu**](http://www.eden.edu)  **Elaine Steven Beauty College**  [**www.elainestevenbeautycollege.com**](http://www.elainestevenbeautycollege.com)  **Grabber School of Hair Design**  [**www.grabberschool.com**](http://www.grabberschool.com)  **House of Heavlin Beauty College**  [**www.kc-hair.com**](http://www.kc-hair.com)  **Independence College of Cosmetology**  [**www.hair-skin-nails.com**](http://www.hair-skin-nails.com)  **Kenrick Glennon Seminary**  [**www.kenrick.edu**](http://www.kenrick.edu)  **Merrell University of Beauty Arts & Science -** [**www.merrelluniversity.edu**](http://www.merrelluniversity.edu)  **Midwestern Baptist Theological Seminary -** [**www.mbts.edu**](http://www.mbts.edu)  **Nazarene Theological Seminary**  [**www.nts.edu**](http://www.nts.edu)  **St Paul School of Theology** [**www.spst.edu**](http://www.spst.edu) |
| **Sample Careers By Educational Level – For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careerclusters.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | | | |
| **On-The-Job Training or Less** | | | | **Technical Training or Associate Degree** | | | **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 | | | Addiction Counselors  Director, Religious Activities and Education  Early Childhood Educator  Financial Counselors  Health Educators  Recreation Workers  Rehabilitation Counselors  Social and Community Service Manager  Social Workers | | Clergy  Industrial-Organizational Psychologists  Marriage and Family therapists  Mental Health Counselors  Psychologists  Rehabilitation Counselors  School Counselors  Social Workers  Substance Abuse and Behavioral Disorder Counselors  Teachers, Postsecondary | | |

***Hardin-Central***

***Information Technology***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Art  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | Ag. Science II  PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary Offerings – For A Complete Listing, go to** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | | | |
| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | | | **In State** | | | | | **Out of State/Other** |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Linn State Technical College**  [**www.linnstate.edu**](http://www.linnstate.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Mineral Area College**  [**www.mineralarea.edu**](http://www.mineralarea.edu)  **Moberly Area Community College**  [**www.macc.edu**](http://www.macc.edu)  **North Central Missouri College**  [**www.ncmissouri.edu**](http://www.ncmissouri.edu)  **Ozarks Technical Comm College**  [**www.otc.edu**](http://www.otc.edu)  **St. Charles Community College**  [www.stchas.edu](http://www.stchas.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **State Fair Community College**  [**www.sfccmo.edu**](http://www.sfccmo.edu)  **Three Rivers Community College**  [**www.trcc.edu**](http://www.trcc.edu) | | **Davis Hart Career Center**  [**www.mexicoschools.net**](http://www.mexicoschools.net)  **Herndon Career Center**  [**www.herndoncareercenter.com**](http://www.herndoncareercenter.com)  **Kirksville Area Tech Center**  [www.kirksville.k12.mo.us](http://www.itt-tech.edu)  **Waynesville Technical Academy**  [**www.waynesville.k12.mo.us**](http://www.waynesville.k12.mo.us) | | **A.T. Skill University of Health Sciences**  [**www.atsu.edu**](http://www.atsu.edu)  **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Bryan College -** [**www.bryancollege.com**](http://www.bryancollege.com)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Culver-Stockon College -** [**www.culver.edu**](http://www.culver.edu)  **DeVry University –** [**www.devry.edu**](http://www.devry.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Everest College**  [**www.everest-college.com**](http://www.everest-college.com)  **Fontbonne Univ -** [**www.fontbonne.edu**](http://www.fontbonne.edu)  **Hannibal-Lagrange College**  [**www.hlq.edu**](http://www.hlq.edu)  **Harris-Stowe State Univ -** [**www.hssu.edu**](http://www.hssu.edu)  **Hickey College -** [**www.hickeycollege.edu**](http://www.hickeycollege.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville Univ of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **Missouri College**  [**www.missouricollege.com**](http://www.missouricollege.com)  **MO Southern State University**  [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri State University – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu)  **Missouri Valley College**  [**www.moval.edu**](http://www.moval.edu) | | | **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Rockhurst University -** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis University**  [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Sanford-Brown College**  [**www.sanford-browncollege.com**](http://www.sanford-browncollege.com)  **Southeast MO State University**  [**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist University**  [**www.sbuniv.edu**](http://www.sbuniv.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **Univeristy of MO – Columbia**  [www.missouri.edu](http://www.missouri.edu)  **University of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – Rolla –** [**www.umr.edu**](http://www.umr.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **Univ of Phoenix –** [**www.phoenix.edu**](http://www.phoenix.edu)  **Vatterott College**  [**www.vatterott-college.edu**](http://www.vatterott-college.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University**  [www.websteruniv.edu](http://www.websteruniv.edu)  **Westminster College**  [www.westminster-mo.edu](http://www.westminster-mo.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods University**  [www.williamwoods.edu](http://www.williamwoods.edu) | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Colorado Technical University**  [**www.coloradotech.com**](http://www.coloradotech.com)  **Grantham University**  [**www.grantham.edu**](http://www.grantham.edu)  **ITT Technical Institute**  [**www.itt-tech.edu**](http://www.itt-tech.edu)  **Kansas City Art Institute**  [**www.kcai.edu**](http://www.kcai.edu)  **Midwest Institute**  [**www.midwestinstitute.com**](http://www.midwestinstitute.com)  **Missouri Tech**  [**www.motech.edu**](http://www.motech.edu)  **National American University**  [**www.national.edu**](http://www.national.edu)  **Pinnacle Career Institute**  [**www.pcitraining.edu**](http://www.pcitraining.edu)  **Texas County Technical Institute**  [**www.texascountytech.edu**](http://www.texascountytech.edu) | |
| **Sample Careers By Educational Level – For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careerclusters.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | | | |
| **On-the-Job Training or Less** | | | | **Technical Training or Associate Degree** | | | **Bachelors Degree** | | **Masters Degree or More** | | |
|  | | | | Computer Operators  Computer Support Specialists  Network Systems and Data Communications Analysts  Numerical Tool and Process Control Programmers  Web Administrators  Web Developers | | | Computer and Information Systems Managers  Computer Engineers  Computer Programmers  Computer Security Specialists  Computer Software Engineers  Computer Systems Administrators  Computer Systems Analysts  Data Communications analysts  Database Administrators  Graphic Designers  Multi-Media Artists and Animators  Network and Computer Systems Administrators  Software Quality Assurance Engineers and Testers | | Computer and Information Scientists, Research  Computer Science Teachers, Postsecondary  Engineering Managers | | |

***Hardin-Central***

***Law, Public Safety, Corrections & Security***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary Offerings - For A Complete Listing, go to** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | | | |
| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | | | **In State** | | | | | **Out of State/Other** |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Linn State Technical College**  [**www.linnstate.edu**](http://www.linnstate.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Mineral Area College**  [**www.mineralarea.edu**](http://www.mineralarea.edu)  **Moberly Area Community College**  [**www.macc.edu**](http://www.macc.edu)  **North Central MO College**  [**www.ncmissouri.edu**](http://www.ncmissouri.edu)  **Ozarks Tech Community College**  [**www.otc.edu**](http://www.otc.edu)  **St. Charles Community College**  [www.stchas.edu](http://www.stchas.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **State Fair Community College**  [**www.sfccmo.edu**](http://www.sfccmo.edu)  **Three Rivers Community College**  [**www.trcc.edu**](http://www.trcc.edu) | | **Cape Girardeau Career/Tech Center**  [**www.cape.k12.mo.us/cc/default.htm**](http://www.cape.k12.mo.us/cc/default.htm)  **Columbia Career Center**  [**www.career-center.org**](http://www.career-center.org)  **Grand River Tech School -** [**www.grts.org**](http://www.grts.org)  **Hillyard Technical Center**  [www.hillyardtech.com](http://www.hillyardtech.com)  **Rolla Technical Institute**  [**www.rolla.k12.mo.us**](http://www.rolla.k12.mo.us)  **Sikeston Career and Technology Center**  [**www.sikeston.k12.mo.us**](http://www.sikeston.k12.mo.us)  **Waynesville Technical Academy**  [**www.waynesville.k12.mo.us**](http://www.waynesville.k12.mo.us) | | **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Everest College**  [**www.everest-college.com**](http://www.everest-college.com)  **Hannibal-Lagrange College**  [**www.hlq.edu**](http://www.hlq.edu)  **Hickey College**  [**www.hickeycollege.edu**](http://www.hickeycollege.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville University of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **MO Southern State University**  [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri State University – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu)  **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu) | | | **Park University -** [**www.park.edu**](http://www.park.edu)  **Patricia Stevens College**  [**www.patriciastevenscollege.edu**](http://www.patriciastevenscollege.edu)  **Rockhurst University** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis Univ -** [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Sanford-Brown College**  [**www.sanford-browncollege.com**](http://www.sanford-browncollege.com)  **Southeast MO State University**  [**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist University**  [**www.sbuniv.edu**](http://www.sbuniv.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **University of MO – Columbia**  [www.missouri.edu](http://www.missouri.edu)  **University of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **Univ of Phoenix –** [**www.phoenix.edu**](http://www.phoenix.edu)  **Vatterott College**  [**www.vatterott-college.edu**](http://www.vatterott-college.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University -** [www.websteruniv.edu](http://www.websteruniv.edu)  **William Woods University**  [www.williamwoods.edu](http://www.williamwoods.edu) | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Allied College**  [**www.alliedcollege.du**](http://www.alliedcollege.du)  **High Tech Institute**  [**www.hightechinstitute.edu**](http://www.hightechinstitute.edu)  **National American University**  [**www.national.edu**](http://www.national.edu)  **Texas County Technical Institute**  [**www.texascountytech.edu**](http://www.texascountytech.edu) | |
| **Sample Careers By Educational Level - For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careerclusters.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | | | |
| **On-The-Job Training or Less** | | | | **Technical Training or Associate Degree** | | | **Bachelors Degree** | | **Masters Degree or More** | | |
| Ambulance Drivers  Animal Control Workers  Bailiffs  Corrections Officers  Court Clerks  Crossing Guards  Fire Fighters  Forest Fire Fighters  Gaming Surveillance Officers and Gaming Investigators  Life Guards and Ski Patrollers  Parking Enforcement Officers  Parking Enforcement Workers  Police, Fire, and Ambulance Dispatchers  Security Guards  Sheriffs  Transportation Security Agents | | | | Correctional Officers and Jailers  Court Reporters  Emergency Medical Technicians and Paramedics  Fire Inspectors  Fire Investigators  First-Line Supervisors/Managers of Police and Detectives  Forest Fire Fighting and Prevention Supervisors  Forest Fire Inspectors and Prevention Specialists  Legal Secretaries  Municipal Fire Fighting and Prevention Supervisors  Paralegals and Legal Assistants  Police Detectives  Police Identification and Records Officers  Police Patrol Officers  Private Detectives and Investigators  Sheriffs and Deputy Sheriffs  Title Examiners, Abstractors, and Searchers  Transit and Railroad Police | | | Arbitrators and Mediators  Coroners  Correctional Treatment Specialists  Criminal Investigators and Special Agents  Emergency Management Specialists  Forensic Science Technicians  Immigration and Customs Inspectors  Judges and Hearing Officers  Law Clerks  Probation Officers | | Anthropology and Archeology Teachers, Postsecondary  Child, Family, and School Social Workers  Criminal Justice and Law Enforcement Teachers, Postsecondary  Lawyer  Psychology Teachers, Postsecondary | | |

***Hardin-Central***

***Manufacturing***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Art  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | **In State** | | | | **Out of State/Other** | | |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Linn State Technical College**  [**www.linnstate.edu**](http://www.linnstate.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Mineral Area College**  [**www.mineralarea.edu**](http://www.mineralarea.edu)  **North Central Missouri College**  [**www.ncmissouri.edu**](http://www.ncmissouri.edu)  **Ozarks Technical Comm College**  [**www.otc.edu**](http://www.otc.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **State Fair Community College**  [**www.sfccmo.edu**](http://www.sfccmo.edu)  **Three Rivers Community College**  [**www.trcc.edu**](http://www.trcc.edu) | **Carrollton Area Career Center**  [**www.trojans.k12.mo.us**](http://www.trojans.k12.mo.us)  **Eldon Career Center**  [**www.eldoncareercenter.org**](http://www.eldoncareercenter.org)  **Grand River Technical School**  [**www.grts.org**](http://www.grts.org)  **Herndon Career Center**  [**www.herndoncareercenter.com**](http://www.herndoncareercenter.com)  **Hillyard Technical Center** [www.hillyardtech.com](http://www.hillyardtech.com)  **Lamar Area VoTech**  [**www.lamar.k12.mo.us**](http://www.lamar.k12.mo.us)  **Lex La-Ray Tech Center**  [www.lexington.k12.mo.us](http://www.lexington.k12.mo.us)  **Kirksville Area Tech Center** [www.kirksville.k12.mo.us](http://www.kirksville.k12.mo.us)  **North Central Career Center**  [**www.shr2.k12.mo.us**](http://www.shr2.k12.mo.us)  **Northland Career Center** [**www.northlandcareercenter.com**](http://www.northlandcareercenter.com)  **Northwest Tech School**  [www.maryville.k12.mo.us](http://www.maryville.k12.mo.us)  **Perryville Area Career/Tech Center**  [**www.perryville.k12.mo.us**](http://www.perryville.k12.mo.us)  **Ranken Tech College -** [www.ranken.edu](http://www.ranken.edu)  **South Central Career Center**  [**www.wphs.k12.mo.us**](http://www.wphs.k12.mo.us)  **Southwest Area Career Center**  [www.swacc.k12.mo.us](http://www.swacc.k12.mo.us) | | **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Baptist Bible College -** [**www.baptist.edu**](http://www.baptist.edu)  **Bryan College -** [**www.bryancollege.ecom**](http://www.bryancollege.ecom)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Culver-Stockon College -** [**www.culver.edu**](http://www.culver.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Everest College** [**www.everest-college.edu**](http://www.everest-college.edu)  **Fontbonne Univ -** [**www.fontbonne.edu**](http://www.fontbonne.edu)  **Hannibal-Lagrange College -**[**www.hlq.edu**](http://www.hlq.edu)  **Harris-Stowe State Univ -** [**www.hssu.edu**](http://www.hssu.edu)  **Hickey College**  [**www.hickeycollege.edu**](http://www.hickeycollege.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville Univ of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Messenger College**  [**www.messengercollege.edu**](http://www.messengercollege.edu)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **Missouri College -** [**www.missouricollege.com**](http://www.missouricollege.com)  **MO Southern State Univ -** [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri State University – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu) | | **MO University of Science & Technology**  [www.mst.edu](http://www.mst.edu)  **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Rockhurst University -** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis University**  [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Sanford-Brown College**  [**www.sanford-browncollege.com**](http://www.sanford-browncollege.com)  **Southeast MO State Univ -** [**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist Univ -**[**www.sbuniv.edu**](http://www.sbuniv.edu)  **Stephens College -** [**www.stephens.edu**](http://www.stephens.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **Univ of MO – Columbia -**[www.missouri.edu](http://www.missouri.edu)  **Univ of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **University of Phoenix -** [**www.phoenix.edu**](http://www.phoenix.edu)  **Vatterott College -**[**www.vatterott-college.edu**](http://www.vatterott-college.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University -** [www.websteruniv.edu](http://www.websteruniv.edu)  **Westminster College**  [www.westminster-mo.edu](http://www.westminster-mo.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods** University  [www.williamwoods.edu](http://www.williamwoods.edu) | | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Colorado Technical University**  [**www.coloradotech.com**](http://www.coloradotech.com)  **DeVry University**  [**www.drury.edu**](http://www.drury.edu)  **Foley-Belsaw Institute**  [**www.foley-belsaw.com**](http://www.foley-belsaw.com)  **Grantham University**  [**www.grantham.edu**](http://www.grantham.edu)  **ITT Technical Institute**  [**www.itt-tech.edu**](http://www.itt-tech.edu)  **National American University**  [**www.national.edu**](http://www.national.edu)  **Texas County Technical Institute**  [**www.texascountytech.edu**](http://www.texascountytech.edu) | |
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| **On-The-Job Training or Less** | | | **Technical Training or Associate Degree** | | **Bachelors Degree** | | **Masters Degree or More** | | |
| Crane and Tower Operators  Hoist and Winch Operators  Locksmiths  Machinists  Metal and Plastic Processing Workers  Operating Engineers and Construction Equipment Operators  Painting and Coating Machine Operators  Power Plant Operators  Precision Assemblers  Quality Control Inspectors  Small Engine Mechanics  Tailors  Tire Building Machine Operators  Tool and Die Makers  Tool Grinders  Upholsterers  Vehicle Painters  Woodworking Machine Operators | | | Automotive Electronics Installers  Computer, ATM, and Office Machine Repairers  Electric Motor Repairers  Home Electronics Repairers  Industrial Electronics Repairers  Jewelers  Manufacturing Production Technicians  Security and Fire Alarm Systems Installers  Semiconductor Processing Operators  Welders and Solderers  Welding and Soldering Machine Operators | | Chemical Engineers  Occupational Health and Safety Specialists  Safety Engineers | |  | | |

***Hardin-Central***

***Marketing***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | Ag. Science II  PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | **In State** | | | | **Out of State/Other** | |
| **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Mineral Area College**  [**www.mineralarea.edu**](http://www.mineralarea.edu)  **Moberly Area Community College**  [**www.macc.edu**](http://www.macc.edu)  **North Central Missouri College**  [**www.ncmissouri.edu**](http://www.ncmissouri.edu)  **Ozarks Technical Comm College**  [**www.otc.edu**](http://www.otc.edu)  **St. Charles Community College**  [www.stchas.edu](http://www.stchas.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **State Fair Community College**  [**www.sfccmo.edu**](http://www.sfccmo.edu)  **Three Rivers Community College**  [**www.trcc.edu**](http://www.trcc.edu) | **Eldon Career Center -** [**www.eldoncareercenter.org**](http://www.eldoncareercenter.org)  **Hannibal Career and Technical Center**  [**www.hannibal.tec.mo.us**](http://www.hannibal.tec.mo.us)  **Waynesville Technical Academy**  [**www.waynesville.k12.mo.us**](http://www.waynesville.k12.mo.us)  **Northwest Tech School** [www.maryville.k12.mo.us](http://www.maryville.k12.mo.us)  **Rankin Tech College -** [www.ranken.edu](http://www.ranken.edu) | | **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Baptist Bible College -** [**www.baptist.edu**](http://www.baptist.edu)  **Bryan College -** [**www.bryancollege.com**](http://www.bryancollege.com)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Culver-Stockon College**  [**www.culver.edu**](http://www.culver.edu)  **DeVry University –** [**www.devry.edu**](http://www.devry.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Everest College**  [**www.everest-college.com**](http://www.everest-college.com)  **Fontbonne Univ -** [**www.fontbonne.edu**](http://www.fontbonne.edu)  **Hannibal-Lagrange College**  [**www.hlq.edu**](http://www.hlq.edu)  **Harris-Stowe State Univ -** [**www.hssu.edu**](http://www.hssu.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville University of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Messenger College**  [**www.messengercollege.edu**](http://www.messengercollege.edu)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **Missouri College**  [**www.missouricollege.com**](http://www.missouricollege.com)  **MO Southern State University**  [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri State University – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu)  **Missouri Valley College**  [**www.moval.edu**](http://www.moval.edu) | | **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Patricia Stevens College**  [**www.patriciastevenscollege.edu**](http://www.patriciastevenscollege.edu)  **Rockhurst University -** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis University**  [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Sanford-Brown College**  [**www.sanford-browncollege.com**](http://www.sanford-browncollege.com)  **Southeast MO State Univ -**[**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist Univ -**[**www.sbuniv.edu**](http://www.sbuniv.edu)  **Stephens College -** [**www.stephens.edu**](http://www.stephens.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **Univ of MO – Columbia -**[www.missouri.edu](http://www.missouri.edu)  **Univ of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – Rolla –** [**www.umr.edu**](http://www.umr.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **Univ of Phoenix –** [**www.phoenix.edu**](http://www.phoenix.edu)  **Vatterott College**  [**www.vatterott-college.edu**](http://www.vatterott-college.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster University -** [www.websteruniv.edu](http://www.websteruniv.edu)  **Westminster College**  [www.westminster-mo.edu](http://www.westminster-mo.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods University**  [www.williamwoods.edu](http://www.williamwoods.edu) | | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Colorado Technical University**  [**www.coloradotech.com**](http://www.coloradotech.com)  **Grantham University**  [**www.grantham.edu**](http://www.grantham.edu)  **ITT Technical Institute**  [**www.itt-tech.edu**](http://www.itt-tech.edu)  **National American University**  [**www.national.edu**](http://www.national.edu) | |
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| **On-the-Job Training or Less** | | | **Technical Training or Associate Degree** | | **Bachelors Degree** | | **Masters Degree or More** | | | |
| Advertising Salespeople  Buyers and Purchasing Agents  Cashiers  Counter and Rental Clerks  Demonstrators and Promoters  Floral Designers  Merchandise Displayers  Models  Opticians  Parts Salespeople  Retail Salespeople  Route Salespeople  Telemarketers | | | Advertising Sales Agents  Assessors  Fashion Designers  Interior Designers  Lodging Managers  Property, Real Estate, and Community Association Managers  Real Estate Brokers  Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products  Travel Agents  Travel Guides  Wholesale and Retail Buyers, Except Farm Products | | Art Directors  Editors  Market Research Analysts  Public Relations Specialists  Sales Managers  Sales Representatives  Survey Researchers  Technical Writers | | Business Teacher, Postsecondary  Marketing Managers  Public Relations Managers  Purchasing Managers  Sales Managers | | | |

***Hardin-Central***

***Science, Technology, Engineering & Mathematics***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary Offerings – For A Complete Listing, go to** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | |
| **Postsecondary** | **Community College** | **Technical School/Training Institution** | | **In State** | | | | | **Out of State/Other** | |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **St. Charles Community College**  [**www.stchas.edu**](http://www.stchas.edu)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu) | **Missouri Tech**  [**www.motech.edu**](http://www.motech.edu) | | **Avila University -** [**www.avila.edu**](http://www.avila.edu)  **Central Methodist University**  [**www.centralmethodist.edu**](http://www.centralmethodist.edu)  **College of the Ozarks -** [**www.coto.edu**](http://www.coto.edu)  **Columbia College -** [**www.ccis.edu**](http://www.ccis.edu)  **Culver-Stockon College**  [**www.culver.edu**](http://www.culver.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [**www.evangel.edu**](http://www.evangel.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville University of St. Louis**  [**www.maryville.edu**](http://www.maryville.edu)  **Missouri Baptist Univ -** [**www.mobap.edu**](http://www.mobap.edu)  **MO Southern State Univ ersity**  [**www.mssu.edu**](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **MO University of Science & Technology**  [www.mst.edu](http://www.mst.edu)  **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu) | | **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Rockhurst University** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Saint Louis University**  [**www.imagine.stu.edu**](http://www.imagine.stu.edu)  **Southeast MO State University** [**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist University**  [**www.sbuniv.edu**](http://www.sbuniv.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **Univ of Central MO -** [**www.ucmo.edu**](http://www.ucmo.edu)  **University of MO – Columbia**  [www.missouri.edu](http://www.missouri.edu)  **University of MO – Kansas City** [**www.umkc.edu**](http://www.umkc.edu)  **Univ of MO – Rolla –** [**www.umr.edu**](http://www.umr.edu)  **Univ of MO – St Louis -** [**www.umsl.edu**](http://www.umsl.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Westminster College**  [www.westminster-mo.edu](http://www.westminster-mo.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu) | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Grantham University**  [www.grantham.edu](http://www.grantham.edu) | |
| **Sample Careers By Educational Level – For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careerclusters.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | | |
| **On-the-Job Training or Less** | | | **Technical Training or Associate Degree** | | **Bachelors Degree** | | **Masters Degree or More** | | |
|  | | | Electronics Engineering Technologists  Engineering Technicians  Manufacturing Engineering Technologists  Science Technicians | | Aerospace Engineers  Biomedical Engineers  Cartographers  Chemists  Civil Engineers  Electrical and Electronics Engineers  Energy Engineers  Environmental Engineers  Geospatial Information Scientists and Technologists  Industrial Engineers  Manufacturing Engineers  Materials Engineers  Mechanical Engineers  Meteorologists  Mining Engineers  Nuclear Engineers  Petroleum Engineers  Photonics Engineers  Remote Sensing Scientists and Technologists | | Anthropologists  Archeologists  Astronomers  Biologists  Environmental Scientists  Geographers  Geologists and Geophysicists  Historians  Mathematicians  Physicists  Political Scientists  Robotics Engineers  Sociologists | | |

***Hardin-Central***

***Transportation, Distribution & Logistics***

**Career Cluster Program of Study Template**

**www.hardin-central.org**

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| **Minimum Graduation Requirements** | **SUGGESTED COURSE OF HIGH SCHOOL STUDY**  **It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.** |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Grade** | **English** | **Math** | **Science** | **Social Studies** | **Required Courses, Elective Options** | **Lex-La-Ray Techinical School** | **Additional**  **Learning Opportunities** |
| **Secondary** | **9** | **English I**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Physical Science**  Ecology | **American History**  Contemporary Issues  Geography | PE / Health  Fine Arts  Ag.Science  Art I |  | **School-Based:**  *Career Research*  *Cooperative Education*  *Internship*  *Job Shadowing*  *Service Learning Project*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Community Based:**  *Mentorship*  *Volunteer*  *Part-time Employment*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Assessments/Certifications***:*  *Technical Skills Attainment (TSA)*  *Other:*  *\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Placement Assessments:**  *Compass Test*  *PLAN*  *ACT*  *PSAT*  *SAT*  *ASVAB*  *WorkKeys*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*    **Student Organizations:**  *DECA*  *FBLA*  *FFA*  *FCCLA*  *SkillsUSA*  *Other:*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |
| **10** | **English II**  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II | **Biology**  Ecology | **American Gov’t**  Contemporary Issues  Geography | Ag. Science II  PE  Art I  Art II |  |
| **11** | English III  Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology  Geography | **Personal Finance**  Natural Resources  Ag. Construction  Ag. Management  Ag. Structures  Spanish I & II  PE  Art I  Art II |  |
| **12** | College English Science Fiction  Mythology  Creative Writing  Multimedia | Algebra I  Geometry  Algebra II  College Algebra  Calculus | Chemistry  Physics  Advanced Biology  Anatomy  Ecology | World History  Contemporary Issues  Psychology  Sociology | Natural Resources  Ag. Construction  Ag. Management  Ag. Structures  Spanish I & II  PE  Art I  Art II |  |

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| **Postsecondary Offerings – For A Complete List of Colleges, go to** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | |
| **Postsecondary** | **Community College** | **Technical School/Training Institutions** | | **In State** | | | | **Out of State/Other** |
| **Crowder College**  [**www.crowder.edu**](http://www.crowder.edu)  **East Central College**  [**www.eastcentral.edu**](http://www.eastcentral.edu)  **Hannibal-Lagrange College**  [**www.hlq.edu**](http://www.hlq.edu)  **Jefferson College**  [**www.jeffco.edu**](http://www.jeffco.edu)  **Linn State Technical College**  [**www.linnstate.edu**](http://www.linnstate.edu)  **Metropolitan Community College**  [**www.mcckc.edu**](http://www.mcckc.edu)  **Mineral Area College**  [**www.mineralarea.edu**](http://www.mineralarea.edu)  **Moberly Area Community College**  [**www.macc.edu**](http://www.macc.edu)  **North Central Missouri College**  [**www.ncmissouri.edu**](http://www.ncmissouri.edu)  **Ozarks Technical Comm College**  [**www.otc.edu**](http://www.otc.edu)  **Ranken Technical College** [**www.ranken.edu**](http://www.ranken.edu)  **Sanford-Brown College**  [**www.sanford-browncollege.com**](http://www.sanford-browncollege.com)  **St Louis Community College** [**www.stlcc.edu**](http://www.stlcc.edu)  **State Fair Community College**  [**www.sfccmo.edu**](http://www.sfccmo.edu) | **Cape Girardeau Career/Tech Center**  [**www.cape.k12.mo.us/cc/default.htm**](http://www.cape.k12.mo.us/cc/default.htm)  **Clinton Tech School -** [**www.clinton.k12.mo.us**](http://www.clinton.k12.mo.us)  **Davis Hart Career Ctr-** [**www.mexicoschools.net**](http://www.mexicoschools.net)  **Eldon Career Ctr -** [**www.eldoncareercenter.org**](http://www.eldoncareercenter.org)  **Four Rivers Career Center**  [**www.washington.k12.mo.us**](http://www.washington.k12.mo.us)  **Franklin Technology- MSSU** [**www.ftcjoplin.com**](http://www.ftcjoplin.com)  **Gibson Tech Ctr -** [**www.wolves.k12.mo.us/gtc**](http://www.wolves.k12.mo.us/gtc)  **Grand River Technical School -** [**www.grts.org**](http://www.grts.org)  **Hannibal Career and Technical Center**  [**www.hannibal.tec.mo.us**](http://www.hannibal.tec.mo.us)  **Herndon Career Center**  [**www.herndoncareercenter.com**](http://www.herndoncareercenter.com)  **Hillyard Technical Ctr -** [www.hillyardtech.com](http://www.hillyardtech.com)  **Kirksville Area Tech Ctr -** [www.kirksville.k12.mo.us](http://www.itt-tech.edu)  **Lake Career and Technical Center**  [**www.camdentonschools.org**](http://www.camdentonschools.org)  **Lebanon Technology and Career Ctr**  [**www.lebanon.k12.mo.us/ltcc**](http://www.lebanon.k12.mo.us/ltcc)  **Lex La-Ray Tech Ctr** [www.lexington.k12.mo.us](http://www.lexington.k12.mo.us)  **Nichols Career Center -** [**www.jcps.k12.mo.us**](http://www.jcps.k12.mo.us)  **Northland Career Center**  [**www.northlandcareercenter.com**](http://www.northlandcareercenter.com)  **Northwest Tech School** [www.maryville.k12.mo.us](http://www.maryville.k12.mo.us)  **Pike-Lincoln Tech Ctr -** [**www.pltc.k12.mo.us**](http://www.pltc.k12.mo.us)  **Rolla Tech Institute -** [**www.rolla.k12.mo.us**](http://www.rolla.k12.mo.us)  **Saline County Career Center**  [**www.marshallschools.com/sccc**](http://www.marshallschools.com/sccc)  **Sikeston Career & Technology Center**  [**www.sikeston.k12.mo.us**](http://www.sikeston.k12.mo.us)  **South Central Career Ctr -** [**www.wphs.k12.mo.us**](http://www.wphs.k12.mo.us)  **Waynesville Technical Academy**  [**www.waynesville.k12.mo.us**](http://www.waynesville.k12.mo.us) | | **Avila University -** [www.avila.edu](http://www.avila.edu)  **Baptist Bible College -** [**www.baptist.edu**](http://www.baptist.edu)  **Bryan College -** [**www.bryancollege.com**](http://www.bryancollege.com)  **Central Methodist University**  [www.centralmethodist.edu](http://www.centralmethodist.edu)  **College of the Ozarks -** [www.cofo.edu](http://www.cofo.edu)  **Columbia College -** [www.ccis.edu](http://www.ccis.edu)  **Culver-Stockon College -** [www.culver.edu](http://www.culver.edu)  **DeVry Univeristy -** [**www.devry.edu**](http://www.devry.edu)  **Drury University -** [www.drury.edu](http://www.drury.edu)  **Evangel University -** [www.evangel.edu](http://www.evangel.edu)  **Everest College -** [www.everest-college.edu](http://www.everest-college.edu)  **Fontbonne Univ -** [www.fontbonne.edu](http://www.fontbonne.edu)  **Grantham Univ -** [**www.grantham.edu**](http://www.grantham.edu)  **Harris-Stowe State Univ -** [www.hssu.edu](http://www.hssu.edu)  **Lincoln University -** [www.lincolnu.edu](http://www.lincolnu.edu)  **Lindenwood Univ -** [**www.lindenwood.edu**](http://www.lindenwood.edu)  **Maryville University of Saint Louis** [www.maryville.edu](http://www.maryville.edu)  **Messenger College**  [**www.messengercollege.edu**](http://www.messengercollege.edu)  **Missouri Baptist Univ -** [www.mobap.edu](http://www.mobap.edu)  **Missouri College** [**www.missouricollege.com**](http://www.missouricollege.com)  **Missouri Southern State University**  [www.mssu.edu](http://www.mssu.edu)  **Missouri State University**  [**www.missouristate.edu**](http://www.missouristate.edu)  **Missouri State Univ – West Plains**  [**www.wp.missouristate.edu**](http://www.wp.missouristate.edu)  **Missouri University of Science & Tech**  [**www.mst.edu**](http://www.mst.edu) | | **Missouri Western State University**  [**www.missouriwestern.edu**](http://www.missouriwestern.edu)  **Northwest Missouri State University**  [**www.nwmissouri.edu**](http://www.nwmissouri.edu)  **Park University -** [**www.park.edu**](http://www.park.edu)  **Rockhurst Univ -** [**www.rockhurst.edu**](http://www.rockhurst.edu)  **Patricia Stevens College**  [**www.patriciastevenscollege.edu**](http://www.patriciastevenscollege.edu)  **St. Louis Univ -** [www.imagine.slu.edu](http://www.imagine.slu.edu)  S**outheast Missouri State University** [**www.semo.edu**](http://www.semo.edu)  **Southwest Baptist University** [**www.sbuniv.edu**](http://www.sbuniv.edu)  **Stephens College -** [**www.stephens.edu**](http://www.stephens.edu)  **Truman State Univ -** [**www.truman.edu**](http://www.truman.edu)  **University of Central MO -** [www.ucmo.edu](http://www.ucmo.edu)  **University of Missouri – Columbia**  [**www.missouri.edu**](http://www.missouri.edu)  **University of Missouri – Kansas City**  [**www.umkc.edu**](http://www.umkc.edu)  **University of Missouri – St Louis** [**www.umsl.edu**](http://www.umsl.edu)  **Univ of Phoenix -** [**www.phoenix.edu**](http://www.phoenix.edu)  **Vatterott College**  [**www.vatterott-college.edu**](http://www.vatterott-college.edu)  **Washington University -** [www.wustl.edu](http://www.wustl.edu)  **Webster Univ -** [www.websteruniv.edu](http://www.websteruniv.edu)  **Westminster College**  [www.westminster-mo.edu](http://www.westminster-mo.edu)  **William Jewell College -** [www.jewell.edu](http://www.jewell.edu)  **William Woods University**  [www.williamwoods.edu](http://www.williamwoods.edu) | | * **Apprenticeship** * **Military** * **On-the-Job Training**   **Aviation Institute of Maintenance**  [**www.aviationmaintenance.edu**](http://www.aviationmaintenance.edu)  **Colorado Technical University**  [**www.coloradotech.com**](http://www.coloradotech.com)  **American Truck Training**  [**www.americantrucktraining.com**](http://www.americantrucktraining.com)  **C-1 Truck Driver Training**  [**www.c1training.com**](http://www.c1training.com)  **ITT Technical Institute**  [**www.itt-tech.edu**](http://www.itt-tech.edu)  **Midwestern Training Center**  **National American University**  [**www.national.edu**](http://www.national.edu)  **Nuway Truck Driver Training**  [**www.nuwaytruckschools.com**](http://www.nuwaytruckschools.com)  **Southern MO Truck Driving School**  [**www.smtds.com**](http://www.smtds.com)  **Westwind CDL Training Center**  [**www.westwinddcl.com**](http://www.westwinddcl.com)  **Witte Truck Driving School** |
| **Sample Careers By Educational Level – For Occupational Specialties, go to** [**www.careerclusters.org**](http://www.careerclusters.org) **or** [**www.missouriconnections.org**](http://www.missouriconnections.org) | | | | | | | | |
| **On-the-Job Training or Less** | | | **Technical Training or Associate Degree** | | **Bachelors Degree** | | **Masters Degree or More** | |
| Air Traffic Controllers and Flight Attendants  Auto Body Repairers  Bicycle Repairers  Bus Drivers and School Bus Drivers  Dispatchers and Traffic Technicians  Freight Handlers  Heavy Equipment Mechanics  Heavy Truck Drivers  Motorboat & Motorcycle Mechanics  Parking Lot Attendants  Riggers  Service Station Attendants, Tire Repairers and Changers  Transportation Agents | | | Aircraft Mechanic  Automobile Mechanics  Bus and Truck Mechanics and Diesel Engine Specialists  Electrical/Electronics Installers/Repairers, Transportation Equipment  Electronic Equipment Installers/Repairers, Motor Vehicles  First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand  First-Line Supervisors/Managers of Transportation  Material-Moving Machine and Vehicle Operators  Motorboat Mechanics and Motorcycle Mechanics  Signal and Track Switch Repairers  Traffic Technicians  Transportation Vehicle, Equipment/Systems Inspectors | | Airline Pilot  Logisticians  Storage and Distribution Managers | | Chief Executive | |

# PERSONAL PLAN OF STUDY

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| --- | --- | --- | --- | --- | --- | --- |
| **Student Name:**  **Parent/Guardian Name:** | | | | **Home Address:**  **Telephone:** | **Graduation Year:**  **Career/Work:** | |
| **Career Cluster and Path:** | | | | A+ \_\_\_\_\_\_\_\_\_\_\_ | | |
| **Subjects** | **Grade 9** | | **Grade 10** | **Grade 11** | | **Grade 12** |
| **1** |  | |  |  | |  |  |
| **2** |  | |  |  | |  |
| **3** |  | |  |  | |  |
| **4** |  | |  |  | |  |
| **5** |  | |  |  | |  |
| **6** |  | |  |  | |  |
| **7** |  | |  |  | |  |
| **8** |  | |  |  | |  |
| **List Alternate Classes**  Full Year Choices 1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  4.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  | | **Post Secondary Plans (Check One)**  \_X \_\_ Four Year College  \_\_\_\_ Two Year AA to Transfer  \_\_\_\_ Two Year AA  \_\_\_\_ Technical School  \_\_\_\_ Military  \_\_\_\_ Work | | **List Post Secondary Institutions you are considering:**  **1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

DATE: PARENT SIGNATURE :

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COURSE DESCRIPTIONS

# Course Descriptions by Department

**Language Arts**

**Four units required for graduation including Language Arts I & II**

**Language Arts I- 1 credit**

This course is designed to develop students’ communication skills, spelling, grammar, literary analysis, and written expression. Students will be able to recognize and use reading strategies as tools for constructing meaning, thinking critically, and solving problems. Students will receive instruction in the conventions of standard written English and research techniques. The Accelerated Reader program will also give instruction in basic reading skills, specifically comprehension. Students will use technology to enhance the learning process and gain basic skills.

**Language Arts II-1 credit**

This course is designed to develop students’ writing skills and improve critical thinking. Students will review and learn to identify and apply literary terms. Students will receive instruction in the conventions of standard written English and research techniques. Students will demonstrate the writing process, applying the process to composing texts in various genres, including narrative/autobiographical, literary analysis, expository, and persuasive. The Accelerated Reader program will also give instruction in basic reading skills, specifically comprehension. Students will use technology to enhance the learning process and gain basic skills.

**Language Arts III- 1 credit**

Students will engage in a variety of academic and creative writing tasks, which connect both literature and nonfiction to their life experiences. Students will use writing process in a variety of genres: persuasive, expository, narrative, reflective, and literary analysis of texts. Students will receive instruction in the conventions of standard written English and research techniques. Students will explore themes found in American literature and the American experience. Students will read and respond to historically and/or culturally significant works of American fiction and non-fiction texts, tracing the development of American writing from the colonial period forward. The Accelerated Reader program will also give instruction in basic reading skills, specifically comprehension. Students will use technology to enhance the learning process and gain basic skills.

**College Prep English- 1 credit**

Students will engage in intensive practice of the writing process by composing different types of essays and editing these works in order to learn the conventions of standard written English. Students will develop a portfolio that demonstrates college proficiency in writing. Writing activities will be based on reading and responding to current issues and contemporary themes in British literature from the Anglo-Saxon/Medieval period to the contemporary. Students will use technology to support drafting, editing, and research skills. This course may be taken for dual credit. College credit comes from Wentworth College. (6 hours)

**Mythology- ½ credit**

This class provides a comparison and study of mythology of a variety of civilizations and their influences on literature. The course will focus on Greek, Roman, Celtic, and/or Native American and American mythology. The class also includes writing in response to reading, as well as a discussion of literary terms and how today’s culture references mythology. Students will use technology to enhance the learning process and gain basic skills.

**Short Stories- ½ credit**

This class includes close reading and analysis of stories produced in different times and places. The students will pay attention to the relationships among author, text, reader, and context, in the making of meaning. Students will analyze the elements of the short story both in both spoken and written ways. Students will use technology to enhance the learning process and gain basic skills.

**Poetry-½ credit** Students in this course will analyze poetry with a survey of chronologically selected poets against the background of their periods, with an emphasis upon the major themes of poets of all ages. This will be a broad cultural approach to poetry, and will include both spoken and written analysis. Students will use technology to enhance the learning process and gain basic skills.

**Science fiction/Fantasy-1/2 credit**

Students in this course will examine the structure and conventions of the genre commonly referred to as science fiction and fantasy. Over the course of the semester, students examine texts of various lengths in order to arrive at a clearer understanding of the evolution of science fiction and fantasy literature, the major themes of the genre, and the writers who have contributed to the establishing and defining of this form of literature. Students will use technology to enhance the learning process and gain basic skills.

**Creative Writing-1/2 credit**

In this course, students learn to identify in written works and write their own works, using setting, characterization, point of view, and theme. Students will learn terms related to the genre of fiction and apply those in creative writing exercises of various lengths and genres. Students will critique and edit their own works and the works of others. Students will also discuss writing and respond to writing by others.

**Mass Media I-1 credit**

Students in this course will explore media and emerging technologies available to the educational community. The students will focus on search strategies from Internet and printed resources, developing information literacy using Internet resources, and using research for educational writing and editing projects. Students will use available equipment to create technology-based written products. Students will gain skills in standard written language and terms used in literary analysis.

**Mathematics**

**3 units required for graduation including Algebra I**

**Pre-Algebra-1 credit**

Pre-Algebra is a course that bridges the gap between 8th grade mathematics and Algebra 1. Topics included will be: operations on rational numbers, using fractions, decimals, and percents to solve problems, using symbolic algebra to represent and solve problems that involve linear equations and inequalities, and using unit analysis to solve real life problems.

**Algebra I-1 credit**

Algebra I is fundamental to the study of advanced mathematics. This course will provide the skills necessary

for further study of geometry, algebra, and analysis. Topics in the course will include a study of real numbers, variables, exponents, polynomials, and the solution of linear and quadratic equations.

**Geometry-1 credit**

Geometry emphasizes the learning and use of geometric figures. Definitions, properties, postulates and theorems to prove the relationships between the geometric figures are integral in the course. Formal geometric proofs will be emphasized. Problems concerning measurement in one, two, and three dimensional figures will be included as well as an introduction to coordinate geometry. This course is recommended for students who plan to participate in upper level or college-bound mathematics courses.

**Algebra II-1 credit**

Algebra II extends the mathematical concepts studied in Algebra I, and introduces the study of determinants, sequence and series, inequalities, and the solution of higher order equations. Many occupations require a sound background in algebra: psychologists, chemical engineers, home economists, accountants, and meteorologists are a few.

**\*College Algebra -1 credit**

College Algebra is offered for high school and college credit. It is a more sophisticated study of relationships

and function, rational expressions, systems of equations, and graphing than Algebra II. Matrices, determinants,

binomial theorem, permutations and combinations, and progressions are also covered. College credit is available for this course, but must follow the requirements of the credit offering college.

**Social Studies**

**Three units required for graduation; two must be American History and Government**

**American History-1 credit**

R**EQUIRED FOR GRADUATION**

American History is a course designed to acquaint the student with the development of the history of the United States and how our country relates to the rest of the world from the Civil War and Reconstruction to the present.

**World History-1 credit**

World History is a broad overview of the development of human cultures from prehistoric times to the rise and fall of modern nation-states. The diverse historic, economic, political, religious, and social systems of various cultures will be studied. An overall emphasis will be placed on western civilization and how its culture has developed.

**Geography-1/2 credit**

Geography is a comprehensive study of the Physical and Cultural aspects of the world. It includes the physical features of the Earth, map reading, and the cultural development of various regions of the world. An emphasis is placed on the use of maps in various applications and geography as a tool in the understanding of history, economics, and the cultures of the regions of the world.

**American Government-1 credit**

**REQUIRED FOR GRADUATION including MO and US Const. Tests**

Government is a course designed to acquaint the student with the basic components of the United States government and the government of the state of Missouri; including the structure of the government as set forth in the state and national constitutions, the purpose and functions of each of the three branches of government, and the duties of elected officials. The importance of the student's role as a United States citizen is stressed along with the relationship to laws of the local, state, and national government.

**\*Psychology-1/2 credit**

Psychology is a course designed to help students better understand themselves and others. Topics to be studied include mental and emotional illness/health, personality, how humans learn, sleep and dream, the central nervous system memory and thinking, and the treatment of mental illness.

**\*Sociology-1 credit**

Sociology is a general survey on social interaction . Included is a study of the nature of organization and activities of human groups: families, communities, crowds, and social classes. Another area studied will be social influence on the shaping of personalities, behavior, and social change.

**Science**

**3 units of Science required for Graduation including Physical Science and Biology**

**Physical Science-1 credit**

Physical Science is a lecture and laboratory course in which note taking is required. It covers the study of matter and energy, radioactivity, atomic energy, fundamentals of chemistry, force and motion, wave motion, and the electromagnetic nature of matter. All 9th graders are enrolled in Physical Science.

**Biology-1 credit**

(Prerequisite: Physical Science)

Biology, the study of life, is a lecture and laboratory course with note taking required. The study begins with

the chemistry of life, followed by the cell, tissues, organs, systems, and organisms, genetics of living things, a study of the animal kingdom and of the plant kingdom. This is a course that serves all students, and is generally regarded as a required course for anyone that is going to college. It serves as the foundation for anyone entering a science occupation. All 10th graders are enrolled in Biology and an End of Course Exam will be taken in this course.

**\*Chemistry -1 credit**

(Prerequisite: C or better in Algebra I and C or better in previous math class)

Chemistry I is the course that emphasizes understanding chemical principles and their application. It is a necessary course for any student pursuing a career in science, agriculture, or medicine and it is recommended for all college bound students. Topics of study will include the following: structure and properties of matter,chemical elements and the periodic table, types of compounds, types of chemical reactions, chemical equilibrium, and acid/base reactions. Lecture, note taking, and problem solving will be supplemented by demonstrations and laboratory practice.

**\*Physics-1 credit**

Physics is an introductory course in physics designed for students planning to attend college and major in a

science, engineering, medical or math-related field. Material covered will include: mechanics, Newton's laws,

energy, momentum, velocity, acceleration, force vectors, work, power, motion along a curved path, heat, light, wave theory, sound, and electromagnetic theory. Lecture and problem solving are supplemented by demonstration and laboratory experiments.

**\*Human Anatomy & Physiology -1 credit**

(Prerequisite: B in Biology or Instructor Approval)

Human Anatomy and Physiology is a detailed study of the ten systems of the human body. This course is a lecture and laboratory course requiring a great deal of memorization. Laboratory dissections are required. This is an excellent course for students interested in careers in the medical sciences/health occupations, athletics, zoology, and other fields that relate to the human body and how it functions.

**Physical Education**

**1 credit required for graduation**

**Physical Education**

**Body Conditioning**

Physical Fitness and Conditioning is a course that develops the life-long skills in the maintenance of a sound and healthy body. Training in the proper use of weights, aerobic exercise, ply metrics, calorie management and nutrition are integral in this course. This course is intended for the non-athlete and may only be repeated once as an elective course. Proper dress is required.

**Lifetime Sports-1credit**

Lifetime sports will provide students with basic skill, knowledge, rules and scoring techniques of various outdoor and indoor activities.

**Health-1/2 credit**

**REQUIRED FOR GRADUATION**

This instructional program prepares individuals to understand the related aspects of health and wellness with special emphasis on nutrition, emotional health, and physical health; the relationship of an individual’s health to the family’s wellness; the prevention of illness; and the basic care of the ill, including the elderly, young child, and individuals with disabilities.

**Fine Arts**

**1 unit of Fine Art is required for graduation**

**Art**

**Art I-1 credit**

Art I is an introductory course, prerequisite to any other art course. The course covers a wide variety of media. Students will experience drawing with various drawing media: pastels, charcoal, pencil, and markers. Students will also experience painting with media such as: tempera and watercolor. Batik, ceramics, calligraphy, metal tooling, and weaving will also be explored. The history of art will also be a part of the course. Ancient through contemporary civilizations and cultures as well as the elements and principles of design will be studied. These topics will be utilized and developed in art projects to gain an appreciation of art.

**Instrumental Music**

**Band-1 credit**

Band is offered to qualified music students through their participation and performance on wind and percussion instruments. This concert band performs at all home football games and at selected parades. Second semester Band gives the students the opportunity to further refine their existing skills. Particular attention will be given to tonal blend, technical facility, and overall band excellence. An extensive repertoire will be studied with attention given to different styles and periods of music literature. Students are given the opportunity to perform solos and participate in small ensembles at the district and state level. Adjudication will be a part of the band's performance. The band will perform at several afternoon or evening concerts, and at selected community appearances. Members should expect to attend early rehearsals when the instructor feels it is necessary. Testing and playing auditions for students are by term and/or by semester. Our main purposes in the instrumental music program are: to experience the joy and beauty of making music, sharing it with others, and learning to understand the self disciplines of everyday life that go into the pursuit of musical excellence.

**Vocal Music**

**Chorus/Choir-1 credit**

Concert Choir is a mixed vocal ensemble for students who demonstrate basic musicianship and performing skills in a traditional choir format. Students must demonstrate a desire to grow musically and to develop the highest levels of rehearsal and performing excellence. Concert Choir is a performing ensemble requiring concert attendance for concerts and music festivals. These commitments are an integral part of the grading for the class.

**Practical Arts Department**

**1 Unit of Practical Art is required for graduation**

**Agricultural Education**

(Three units of Agriculture Science may be used to substitute for one unit of Natural Science: Ag. Sci. & Tech. I & II, Ornamental Horticulture, Animal Science I & II, and/or Natural Resources.)

**Ag Science I**

Agriculture is a field that comprises many different disciplines. This course is largely animal based with a large unit on FFA. The FFA unit is comprised of the mission, history, tradition, meetings, and much more. We’ll also cover SAE (Supervised Agricultural Experiences) along with record books. Introduction to animal science will take up much of the rest of the course including breeds, enterprises, and selection. Also included in this course are biotechnology, farm management, introduction to ag mechanics such as arc welding.

**Ag Science II**

Agriculture is a field that comprises many different disciplines; this course is largely plant based. In this course you will learn about plant & crop science, entomology, forestry, soils, parliamentary procedure, FFA, agricultural mechanics (mig welding and oxy/acetylene torches) and many other areas. We will study a wide variety of topics to introduce students to the many opportunities available in the nation’s number one industry, agribusiness.

**8th grade Ag Exploratory**

Agriculture is a field that comprises many different disciplines. In this course you will learn about biotechnology, animal science, plant science, careers, measurements, shop safety and complete a woodworking project. We will study a wide variety of topics to introduce students to the many opportunities available in the nation’s number one industry, agribusiness.

**Ag Construction**

Agriculture is a field that comprises many different disciplines. In this course you will learn about safety in the shop, metalworking and woodworking. Students will be required to build projects through the year that will be at the expense of the student; all students should be prepared to work each day.

**Ag Structures I**

Prepares students to construct and maintain agricultural structures and equipment. This course helps develop basic skills such as: interpreting plans, calculating a bill of materials, electricity, plumbing, concrete and building construction. Content may be enhanced with appropriate computer applications.

**Animal Science**

This course incorporates the largest industry in the United States – agriculture; by taking a closer look at the large animal sector. We will cover each enterprise and discuss selection, breeding, parturition, nutrition, and health management. Enterprises covered include: beef, dairy, swine, sheep, horse, and poultry.

**Food Science**

Discover the science behind your favorite foods! How is root beer made? Are all additives bad? Will you get sick if you eat mold? These questions and more will be answered as you investigate principles of food processing and food science. Topics to be covered include food safety and regulations, processing and preservation, product development, and nutritional content of various foods. The course places emphasis on hands-on lab activities and discussion.

**Business**

**1/2 unit of Personal Finance I required for graduation**

**Personal Finance -1/2 credit**

This finance course applies money and economic concepts to the development of personal financial goals and to the preparation of students for careers in which they plan, manage, and analyze the financial and monetary aspects and success of business enterprises. Skills in money management deal with the study of basic concepts of economics, insurance, credit, savings, investments, and budgeting—skills needed for productive citizenship. The course may also cover such business financial matters as business cycles, opportunity costs, cost-benefit analysis, methods of financing businesses, stocks and bonds, profit and loss, and others. Better understanding of financial matters gained through this course will provide students information that will help them to avoid bankruptcy, business failure, and the stress and frustration that go with such events and to be financially successful in both personal and business situations.

**Computer Applications-1 credit**

This course is designed to help students develop the qualities, knowledge, and skills necessary for working in a business. Students enhance computer application skills as they develop competencies needed by administrative support professionals. The content includes the use of technology to develop communication skills, the performance of office procedures tasks, the production of quality work using advanced features of business software applications, and the production of high quality employment portfolios and job-seeking documents. In addition, this course provides training or skills many employers find deficient: dealing with other people, using the telephone, organizing work, and handling other crucial tasks.

**Family and Consumer Science**

**Discovering Family and Consumer Sciences-Junior High Elective ½ credit**

**Course Description:** This instructional program is designed to help prepare students for multiple roles as individuals and family members. Emphasis is placed upon values clarification, decision-making, consumer skills, personal and family relationships, parenting, nutrition, and health. Career exploration and its impact on families are key components.

**Child Development, Care and Guidance- ½ credit**

**Course Description:** This instructional program studies the intellectual, social, emotional, and biological development of children and the planning and design of related human services. It includes instruction in parent-child relations, parenting practices, special needs of children, parental environmental influences on child development, external support services and related public policy issues.

**Advanced Child Development, Care and Guidance – ½ credit**

**Course Description:** An instructional program that provides advanced study in child development and guidance, including the physical, social, and intellectual development of children. Actual experience in supervising children provides the opportunity to improve parenting skills, explore careers related to child development and general employment skills. (Prerequisite—Child Development, Care and Guidance)

**Nutrition and Wellness- ½ credit**

**Course Description:** This instructional program prepares individuals to understand the principles of nutrition; the relationship of nutrition to health and wellness; and the selection, preparation, and care for food; meal management to meet individual and family food needs and patterns of living; food economics and ecology; optimal use of the food dollar; understanding and promoting nutritional knowledge; and application of related math and science skill.

**Advance Nutrition and Wellness- ½ credit**

**Course Description:** Advance continuation of Nutrition and Wellness (Prerequisite—Nutrition and Wellness)

**Health- ½ credit**

**Course Description:** This instructional program prepares individuals to understand the related aspects of health and wellness with special emphasis on nutrition, emotional health, and physical health; the relationship of the health of an individual to the wellness of the family; the prevention of illness; and the basic care of the ill, including the elderly, young child, and individuals with disabilities.

**Career and Family Leadership ½ credit Intended for students in leadership roles**

**Course Description:** 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.

**Housing Environment and Design ½ credit**

**Course Description:** This instructional program describes the study of behavioral, social, economical, functional, and aesthetic aspects of housing, interiors, and other built environments. It includes instruction in analyzing, planning, designing, furnishing, and equipping residential work and leisure spaces to meet user needs and the study of related public policies.

**Family Living and Parenthood - ½ credit**

**Course Description:** This instructional program prepares individuals to understand the nature, function and significance of human relationships within the family/individual units. Includes instruction in the concepts and principles related to various family living conditions, including abuse prevention; the establishment and maintenance of relationships; the preparation for marriage, parenthood and family life; and the socialization and developmental needs of individuals.

**Career Development and Entrepreneurship ½ credit**

**Course Description:** This instructional program introduces individuals to career opportunities and/or pathways in family and consumer sciences-related occupations/careers. Career development and career preparation components include interviewing skills, resume writing, and portfolio preparation. It prepares individuals to perform development, marketing, and management functions associated with owning and operating a family and consumer science related business.

**Foreign Language Department**

**Spanish**

**Spanish I-1 credit**

Spanish I is for the beginning student. It will enable the student to understand the language, speak it, use simple sentence patterns, and read and write the information that has been learned in class. Customs of the Spanish-speaking world will also be studied.

**Spanish II-1 credit**

(Prerequisite: C+ or above in both semesters of Spanish I or teacher approval)

Spanish II will develop the four skills of understanding, speaking, reading and writing the Spanish language. There will be an added emphasis on conversational Spanish during the course.

**A+ Program**

**A+ Tutoring Experience-0 credit**

(Prerequisite: 2.5 GPA, 95% attendance average and A+ Agreement Signed

**This course may not be repeated. There is enough time in one semester to attain the 40 hours of tutoring required for the program.**

The A+ Tutoring Experience course is designed to give the student that has agreed to be in the A+ Program a

semester to gain the 50 hours of tutoring that is required in the program. The student will keep a DAILY log of the hours gained during the semester to be kept on file with the A+ Coordinator. The A+ Coordinator will approve the placement of each A+ Tutor. The A+ Tutoring Experience is to be completed in one semester.

**Cadet Teaching Program**

**Cadet Teaching**

**(Grade 12 Length: one semester Credit: .5)**

(Prerequisite: 3.0 GPA, 95% attendance average, no truancy or tardiness concerns, maintain good citizenship standards, teaching supervisor not related to the student.)

Cadet Teaching is a School-to-Career elective course that provides students with an opportunity to work with

and for professional teachers in order to gain a realistic insight into the teaching profession. The cadet teacher will perform most duties under the direction of a teacher within the Norborne School District. The duties may include: teaching individual students, teaching groups of students, grading papers, recording grades, designing bulletin boards, and developing lesson plans. The cadet teacher will also develop a portfolio of information about the teaching profession: job availability, salaries, procedures, role of the various types of teachers, role of the various types of administrators, role of the Board of Education, curriculum development, and education funding. Interviews with teachers and administrators regarding the teaching profession will also be required. The portfolio will be evaluated by the Supervisor of Cadet Teaching on a regular basis.

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| **LEX-LA-RAY TECHNICAL SCHOOL COURSES** | | |
| **Course** | **Year** | **Credit Given** |
| Automotive Technology | 1 | 3 Practical Arts |
| Automotive Technology | 2 | 3 Practical Arts  1 Communication Art  1 Math |
| Building Trades | 1 | 3 Practical Arts |
| Building Trades | 2 | 3 Practical Arts  1 Communication Art  1 Math |
| Collision Repair Technology | 1 | 3 Practical Arts |
| Collision Repair Technology | 2 | 3 Practical Arts  1 Communication Art  1 Math |
| Computer Maintenance & Networking | 1 | 3 Practical Arts |
| Computer Maintenance & Networking | 2 | 3 Practical Arts  1 Communication Art  1 Math |
| Industrial Welding | 1 | 3 Practical Arts |
| Industrial Welding | 2 | 3 Practical Arts  1 Communication Art  1 Math |
| Health Occupations | 1 | 3 Practical Arts |
| Health Occupations | 2 | 2 Practical Arts  1 Communication Art  1 Math  1 Science |
| Early Childhood Professions | 1 | 3 Practical Arts |
| Early Childhood Professions | 2 | 3 Practical Arts  1 Communication Art  1 Math |
|  |  |  |

**TRADE & INDUSTRIAL**

Course Title: Automotive Technology

Grade Level: 11-12

Prerequisites: None

Length of course: 2-Year Course = Year 1 – 3 Practical Arts, Year 2 – 3 Practical Arts, 1 Comm. Arts, 1 Math

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

Course Title:Building Trades/Cabinet Making

Grade Level: 11-12

Prerequisites: None

Length of course: 2-Year Course = Year 1 – 3 Practical Arts, Year 2 – 3 Practical Arts, 1 Comm. Arts, 1 Math

Students learn how to build a house. 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, joiners, band saws, disk sanders, and a wide range of power tools.

Course Title:Collision Repair Technology

Grade Level: 11-12

Prerequisites: Computer Applications

Length of course: 2-Year Course = Year 1 – 3 Practical Arts, Year 2 – 3 Practical Arts, 1 Comm. Arts, 1 Math

Instruction provides the student with the ability to earn I-Car Pro Level 1 Certificate for refinish and non-structural technician. Refinish includes: remove trim and hardware, prep and prime vehicle and parts, use and maintain spray guns, mix, store, and dispose of hazardous materials, understand the corrosion protection process, sand, buff, and detain a refinished vehicle. Non-structural includes: remove and install trim and hardware, identify various vehicle materials, bolt-on-parts, and movable glass, perform steel cosmetic straightening and plastic repair.

Course Title:Computer Maintenance and Networking

Grade Level: 11-12

Prerequisites: Computer Applications class and basic knowledge of computer operations or demonstrated knowledge of personal computer systems.

Length of course: 2-Year Course = Year 1 – 3 Practical Arts, Year 2 – 3 Practical Arts, 1 Comm. Arts, 1 Math

Students will learn computer networking, trouble shooting, repair, and support. Students will also learn to design, build, and maintain Local and Wide Area Computer Networks**.** Other areas of study include installing and configuring hardware, software, and printer problems. Second year students will work with computer problems within the district, telecommunication cabling, and CISCO networking.

Course Title: Industrial Welding

Grade Level: 11-12

Prerequisites: None

Length of course: 2-Year Course = Year 1 – 3 Practical Arts, Year 2 – 3 Practical Arts, 1 Comm. Arts, 1 Math

Instruction includes three basic types of welding stick operations including electrode, MIG and TIG. Students will also learn the three basic cutting principles including oxyacetylene, plasma arc, and carbon arc. These methods are then applied to the construction and metal fabrication industry. Blueprint reading and metallurgy are also taught to supplement the student’s skills.

**HEALTH & HUMAN SERVICES**

Course Title:Health Occupations

Grade Level: 11-12

Prerequisites: None

Length of course: 2-Year Course = Year 1 – 3 Practical Arts, Year 2 – 2 Practical Arts, 1 Comm. Arts, 1 Math, 1 Science

This is an excellent introduction to the world of health care for those wishing to enter that field. Students learn basic skills in patient care. Areas of study include anatomy and physiology, emergency procedures, basic microbiology, and interpersonal relations. Students spend one quarter the first year in actual healthcare facilities doing job shadowing. The entire second year is spent working in a healthcare facility where the student performs entry level duties.

Course Title: Early Childhood Professions

Grade Level: 11-12

Prerequisites: None

Length of course: 2 Year Course = Year 1 – 3 Practical Arts, Year 2 – 3 Practical Arts, 1 Comm. Arts, 1 Math

This course will prepare students for entry into the workforce, a college degree program to pursue a career as an early childhood professional, or a career with children. The course will be structured around the Child Development Associate (CDA) national credentialing program. Students will acquire skills in child growth and development, nutrition, program planning and management, safety, behavior, guidance, recreational and play activities, child abuse and neglect, parent-child relationships, learning experiences for children and maintenance of children’s environment. Laws, regulations and policies related to child care services and maintenance of children’s environment will be covered. Students will have the opportunity to apply skills learned in lab settings through observation/participation in public and private schools.

ADDITIONAL LEARNING OPPORTUNITIES

**Assessments**

# Standardized tests are designed to give a common measure of students' performance. They help compare an individual's performance with the performance of a group of students from a given class, school, or school system. Since large numbers of students throughout the country take the same test, "standards" can be developed to show whether school programs are succeeding and how students are performing. Standardized achievement tests measure how much students have already learned about school subjects such as reading, math, language skills, spelling, or science. On the other hand, standardized aptitude tests measure your students' ability to learn in school. They measure verbal ability, mechanical ability, creativity, clerical ability, or abstract reasoning.

# EXPLORE

EXPLORE is an achievement test and interest survey that measures performance in math, English, reading and science reasoning, plus provides information about career interests. This is the entry point into ACT’s Educational Planning and Assessment System, and is followed by the PLAN and the ACT. Taking this assessment in the ninth grade helps students explore a broad range of options for their futures including planning high school courses, preparing for the ACT, and choosing a career path.

**Pre-ACT**

Pre-ACT is a two-hour version of the ACT given in the fall to all Sophomores. The Pre-ACT provides practice for the ACT. It includes tests in English, mathematics, reading, and science reasoning. The test also provides a career interest inventory. It is a good tool for sophomores to use as they start planning for their post-secondary college and career options.

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

The PSAT/NMSQT measures verbal and mathematics reasoning skills important for academic success in college. It serves three purposes: gives the student practice for the SAT I; is the first step in qualifying for scholarships sponsored by the National Merit Scholarship Corporation and other scholarship programs; gives the student the opportunity to participate in the Student Search Service. This test is taken in the junior year for NMSQT qualification.

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

The ASVAB measures students’ strengths and potential for future success. The ASVAB also provides [career information](http://www.qklinkserver.com/lm/rtl3.asp?si=19903&k=career%20information) for various civilian and military occupations and is an indicator for success in future endeavors including college, vocational school, or a [military career](http://www.qklinkserver.com/lm/rtl3.asp?si=19903&k=military%20career).

**ACT (American College Testing Program)**

The ACT is a battery of four examinations in English, math, reading, and science reasoning, each of which yield separate scores measuring developed abilities. The test is required by many colleges as part of the application process for admission. You can enroll my going to www.actstudent.org

**SAT I (Scholastic Aptitude Test)**

SAT I is a test used to predict student performance in college. Required by some schools as part of the application process, this three-hour test has two main sections—verbal and math.

FORMS

**HARDINCENTRAL HIGH SCHOOL**

**A+ SCHOOLS LETTER OF INTENT AGREEMENT**

**The Missouri Outstanding Schools Act of 1993 established the “A+ Schools Program.”**

**A+ certified high school graduates are eligible to receive two years free tuition 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 school for at least THREE years prior to**

**graduation and enter into a written agreement by November 1 of the senior year.**

** Graduate from an A+ designated high school with at least a cumulative GPA of 2.5 based on a 4.0 scale.**

** Graduate from high school with at least 95% attendance average.**

** Perform and document 50 hours of unpaid tutoring supervised by a school district employee on school grounds.**

** Maintain a record of good citizenship which includes the avoidance of drugs and alcohol and possession of weapons.**

** Complete and submit a Free Application for Federal Student Aid (FAFSA).**

** Register for Selective Service (male citizens over the age of 18).**

** Students in the class of 2015 and beyond must score proficient or advanced on the state level Algebra I End of Course exam.**

**Students are eligible for the financial incentive for up to four years after high school graduation. 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\_\_\_\_\_**

**Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ City/State/ Zip Code\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Email address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Home Phone\_\_\_\_\_\_\_\_\_\_\_Cell Phone\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date of Birth \_\_\_\_/\_\_\_\_\_/\_\_\_\_\_\_\_ Age\_\_\_\_\_\_ Grade\_\_\_\_\_\_\_**

**Previous high schools attended\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**I understand the terms listed above and will follow the guidelines set forth by the State of Missouri and the Norborne School District 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 parent/legal guardians must sign the A+ Schools Program Agreement to enroll in the A+ Schools Program.**

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**Student Signature Date Parents/Legal Guardians Signature Date**

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**High School Principal Date School Counselor Date**