BRAYMER HIGH SCHOOL

CAREER
AND
EDUCATIONAL
PLANNING GUIDE
2026-2027

The Career & Educational Planning Guide is available online:
(www.braymerbobcats.org)

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Dear Parents and Students;

This Career and Educational Planning Guide is intended to assist students as they make plans for a career that will lead to a rewarding and enjoyable future. We urge students and parents to work with the school faculty to review the information in this book in preparation for creating the students' Individual Career and Academic Plan (ICAP). Each year you will revisit the student's Individual Career and Academic Plan. The Individual Career and Academic Plan is the student's unique plan of study which outlines courses that align with future educational and career goals. When students see the relevance of high school course work to what they aspire to do in their future, they are more apt to take school more seriously and enroll in more rigorous courses. Course selection is very important and schedule changes can be very difficult.

Parent, please familiarize yourself with the abundance of information in this book and actively participate with your school and student in creating and reviewing your child's Individual Career and Academic Plan. Students rank parents as the most influential people in their lives. Challenge your students to set high standards, select courses and school activities which directly help them achieve personal and career goals, work hard to achieve these goals and attend classes daily. Embrace the power of your influence and genuinely engage in educational pursuits with your child(ren).

The counselor and various school instructors will assist you with career exploration and educational planning by utilizing Missouri Connections. This is a program sponsored by the Missouri Department of Elementary and Secondary Education (DESE). Students will be able to explore and research the 16 different Career Clusters, complete assessments to help them focus their studies and plan using the available tools. To learn more about Missouri Connections, visit www.missouriconnections.org.
Students may have a login; however, you may use:
Username: braymer
Password: 2viewmoc

High School Education and Planning
When planning a high school sequence of study and selecting individual courses, it is recommended that students and their parents consider a variety of factors in making those choices, including:
1. Braymer C-4 School District Graduation Requirements
2. Their chosen career path and related areas of interest
3. Specific requirements of post-secondary educational institutions they may have interest in attending.

What follows is specific information regarding graduation requirements and course offerings that will assist students and their parents in making educational choices that will contribute to the student's long-range career and educational success.

If, as you utilize this Enrollment and Planning Guide, you find that you need additional information or assistance, please contact me at 660-645-2284 or email pdavidson@braymerc4.net. We look forward to partnering with you for a successful year. Please don't hesitate to contact us if we can be of assistance.

Please note that this is a living document that may be edited/updated/revised.

Mrs. Penny Davidson, K-12 Counselor
660-645-2284

Mr. James Oyler, High School Principal
660-645-2284

NOTICE OF NONDISCRIMINATION

It is the policy of the Missouri Department of Elementary and Secondary Education not to discriminate on the basis of race, color, religion, gender, national origin, age, or disability in its programs or employment practices as required by Title VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975 and Title II of the Americans with Disabilities Act of 1990.

FREQUENTLY ASKED QUESTIONS

What happens if I fail a semester of a required course?
If you happen to fail a semester/year of a required course, you will have to retake that course. You would also need to meet with your school counselor to discuss your options: summer school, credit recovery, or re-enrolling in the course.

May I earn credits through summer school or online courses?
Yes. Braymer High School may/may not offer summer school to high school students; however, Braymer High School does offer an online program (Launch) through which students can earn credit or credit recovery. You will need to meet with your school counselor to discuss different options available to you and for prior approval.

May I change my schedule at semester if I don't like a class I am taking?
There is a chance that you may change your schedule at semester if you do not like a class you are taking. The possibility of changing your schedule is based on the availability of courses. You will need to meet with your school counselor to discuss the possibility of changing your schedule and to fill out the proper paperwork.

What is the number of credits needed to graduate from high school?
In order to graduate from high school, starting with the class of 2024+, you will need to earn 26 credits. See pages 5-6 for more information about graduation requirements.

Do any classes which I took in junior high count toward high school credit?
No. If you take Algebra I as an 8th grader you will still need to earn 3 math credits in high school.

Can I earn college credit while in high school?
Yes. Braymer High School offers several opportunities for dual credit. Dual credit is where a student completes college coursework while in high school and it counts as high school credit and, if they pay for the class, it also counts as college credit. For more information on dual credit/dual enrollment and the offerings at Braymer High School please see pages 11-13.

How many college visit days am I allowed?
Seniors are allowed to take 2 days as college visit days and juniors are allowed to take 2 days as college visit days. In order to go on a college visit day, students need to contact their school counselor for a request form which needs to be submitted prior to the visit day. Prior approval is required for it to count as a college visit day.

HIGH SCHOOL GRADUATION REQUIREMENTS for CLASS OF 2024+

CURRICULAR AREAS	Graduation
ENGLISH	4 credits (English I, II, III, and one additional unit of English)
SOCIAL STUDIES	3 credits (American History, World History, Government)
MATHEMATICS	3 credits (Algebra I plus two additional math units)
SCIENCE	3 credits (Physical Science, Biology, plus one additional science unit)
FINE ARTS	1 credit
PRACTICAL ARTS	1 credit
PHYSICAL EDUCATION	1 credit
PERSONAL FINANCE	½ credit
HEALTH	½ credit
ELECTIVES	9 credits (7 credits for Vo-Tech Students)
Totals	**26 credits (24 credits for Vo-Tech Students)**

Class of 2024

English	4 credits	English	4 credits
Mathematics	3 credits	Mathematics	3 credits
Science	3 credits	Science	3 credits
Social Studies	3 credits	Social Studies	3 credits
Practical Arts	1 credit	Practical Arts	1 credit
Fine Arts	1 credit	Fine Arts	1 credit
Physical Education	1 credit	Physical Education	1 credit
Health	.5 credit	Health	.5 credit
Personal Finance	.5 credit	Personal Finance	.5 credit
Electives	9 credits	Electives	7 credits

Total Credits 26.5 credits **Total Credits 24.5 credits**

Required sequences for coursework in English, Mathematics, Science and Social Studies are part of course descriptions at each level.

Practical Arts requirements are met by selecting courses from any of the following areas: Agriculture, Business, and Vocational Technical (GRTS). This requirement may be satisfied during the freshman year by enrolling in Ag Science I or Computer Science Essentials.

Fine Arts requirements are met by selecting courses from any of the following areas: Art, Band or Choir. This requirement may be satisfied during the freshman year by enrolling in Band, Choir or Art.

Policy: All students must complete all required state assessments as part of meeting the minimum graduation requirements. The State Board of Education requires all public high school students to take End of Course (EOC) exams in Algebra I, English II, Biology and Government before graduating.

All Braymer High School students are required to take a Missouri Department of Elementary & Secondary Education approved measure(s) of college and career readiness such as the ACT or ASVAB before graduating.

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. For more information regarding MSHSAA rules, regulations and eligibility go to https://www.mshsaa.org/.
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

MINIMUM POST-HIGH SCHOOL EDUCATION ADMISSION REQUIREMENTS

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 ½	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			

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. For more information regarding MSHSAA rules, regulations and eligibility go to https://www.mshsaa.org/.
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- 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

MOCAP:
Students planning to participate in MOCAP classes (Missouri Course Access & Virtual School Program should visit with their counselor or Athletic Director to make sure they will be eligible to participate in MSHSAA sanctioned activities. More information can be found at: www.mshsaa.org

NCAA/NAIA Eligibility
NCAA
If students plan to enroll in college and participate in Division I or Division II sports, they must be certified by the National Collegiate Athletic Association (NCAA). Part of that certification process includes making sure that the student has successfully taken the required number of core courses. For more information regarding rules and eligibility, please go to www.ncaa.org or visit the Eligibility Center website at www.eligibilitycenter.org.

NAIA
If a student enrolls in college and plans to participate in a NAIA sport, they must register and be a graduate of an accredited high school or be accepted as a regular student in good standing as defined by the enrolling institution. For more information regarding rules and eligibility, please go to www.playnaia.org

HIGH SCHOOL 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+ Program

What is the A+ Program?
The Braymer School A+ Program strives to ensure that students are prepared for and successful in life beyond high school. The A+ Program provides students with continuous, progressive career information throughout the students' years in the Braymer C-4 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. The A+ Program is an exciting opportunity for all students, regardless of whether they plan to attend a traditional four-year university, a community college, a vocational/technical school, or plan to enter the workforce immediately following graduation from high school. Possibly the most important part of the A+ Program is the financial incentive available to students for continuing their education after high school. For additional information about the A+ Program contact the A+ Coordinator or the Department of Higher Education website (www.dhe.mo.gov).

What financial incentives are available through the A+ Program?
All graduates can qualify for financial assistance toward tuition and fees at any public community, vocational or technical school in the state of Missouri. Reimbursement is subject to legislative appropriations. Your eligibility expires when the earliest of the following occurs:

- 48 months after the graduation date documented on your high school transcript
- Receipt of an associate's degree
- Completion of 105% of the hours required for the program in which you are currently enrolled

How can a student qualify for the A+ Program?
To qualify, a student must:

- be a U.S. citizen, eligible non-citizen or lawfully present in the U.S.
- enter into a written agreement with your high school prior to graduation.
- attend an A+ designated school for three consecutive years immediately prior to graduation.
- maintain a 2.5 (unweighted) grade point average over four years.
- maintain a 95% hourly attendance average in grades 9-12, (4 year average)
- perform a total of 50 hours of unpaid tutoring or mentoring (helping) of younger students in the district of which up to 25% (12.5 hours) may include job shadowing.
- students must score proficient or advanced on the Algebra I end of course exam or a higher level DESE approved end of course exam in the field of mathematics. One may establish eligibility achieving a qualifying score on the Math subtest of the ACT (17+ with GPA 2.5+; 16 with GPA 2.8+; 15 with GPA 3.0+).
- maintain a record of good citizenship at school and in the community.
- avoid the use of illegal drugs, including alcohol.
- make a good faith effort to secure all available federal financial aid by completing the Free Application for Federal Student Aid (FAFSA).

The A+ Program is an excellent opportunity for all students. To participate in the program, a student must see the A+ Coordinator to pick up the required paperwork.

When do I have to sign up for the program?
Typically, the majority of students will want to sign their agreement form and get started with the tutoring activities immediately upon beginning their freshman year. A student may, however, sign up at any time and begin to meet the requirements. There are no specific windows for signing the agreement. It could be done at any time, as long as the student realizes that time must be available to meet the qualifications, specifically, completing 50 hours of tutoring/mentoring and attendance is over four years of high school regardless of when the student signs up.

Dual Credit/Dual Enrollment Courses

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.

What is dual credit?
Dual credit courses are offered **at the student's own high school taught by approved high school teachers**. Dual credit is an opportunity for high school students who are capable of meeting an increased challenge to earn college credit through select high school courses. Students earn both high school and college credit for these courses as long as the student pays for the course. Dual credit courses taught at the high school by high school teachers are offered to all students; however, only students who pay for the class receive college credit and high school credit. All other students receive high school credit only.

What is dual enrollment?
Dual enrollment courses are college courses offered online and taught by a college instructor not by a high school teacher. Dual enrollment courses are usually scheduled during the school day and proctored by a school employee; however, all instruction and grades are provided by a college instructor online.

What is the purpose of dual credit?
Dual Credit/Dual Enrollment is designed to give college-bound students an opportunity to gain college credit for courses taken while still in high school and usually at a significantly discounted tuition rate. Braymer High School offers several opportunities for students to earn college credit through Missouri Valley College.

What are the benefits of dual credit/dual enrollment classes?
Students can complete traditional college core curriculum requirements while still in high school, thus shortening the amount of time needed to earn a college degree. Students can earn college credit at a significantly discounted rate. Students can take classes in the familiar setting of their high school. It is highly recommended that a student check with the admission's office of the college they plan to attend to discuss credit acceptance/transferability.

Are there any requirements for a student to enroll in dual credit classes?
Yes. Students must be a junior or senior and meet the following criteria to be eligible to enroll in a dual credit course:

1. Have a minimum overall, unweighted GPA of 3.0 on a 4.0 scale.
2. Be recommended by a high school principal or counselor
3. Be a junior or senior and meet the same requirements for admission to individual courses as those required of on-campus students.
4. Students must meet the testing standards set by the individual college offering credit.
   Test scores that **may** be required:

College Composition & Research (College English)	ACT English-18
American History	ACT Reading-18
National Government	ACT Reading-18
College Algebra	ACT Math-23

(Check with your school counselor for specific ACT requirements)

Other dual credit classes may be available. Please see the counselor in the Guidance Office for more information.

Dual Credit

Students may earn credit from one of the following institutions for credit towards their high school required credits (NCMC, Missouri Valley, or UCM)

1. No more than 2 course (6 credit hours) may be taken per semester
2. Only courses taken during the school year August-May will count towards High school graduation credit.
3. Courses are limited to the following list:

Braymer C-4 DC/DE Add/Drop Policy proposed 8/11/25

1. Drop/Add Policy: A student may drop or add a class within the first week of classes. Drop/Add forms require the signatures of the College Dual Credit Program Coordinator after being notified by the high school counselor or principal.

2. Withdrawal (W) Policy for semester length classes: The last day for student withdrawal from a course will be a date as set annually on the academic calendar. A grade of "W" is given through the sixth (6th) week of the semester (beginning with the college's first day of classes).

After six weeks, the grade will be recorded as "WP" if the student has a grade of "D" or better at the time of withdrawal or "WF" if the student is making a grade below "D". Grades of "WF" are computed as "F" in the computation of all grade point averages. Withdrawal after the eleventh (11th) week of the semester will result in an "F" unless the withdrawal is by administrative approval. Withdrawal from school is also withdrawal from classes. Withdrawal forms require the signatures of the College Dual Credit Program Coordinator after being notified by the high school counselor or principal.

Withdrawal (W) Policy for academic year length classes offered at the high school: A grade of "W" is given through the twelfth (12th) week of the academic year (beginning on the college's first day of classes). After twelve (12) weeks, the grade will be recorded as a "WP" is the student has a grade of "D" or better at the time of withdrawal or "WF" if the student is making a grade below "D". Grades of "WF" are computed as "F" in the computation of all grade point averages. Withdrawals after the twenty-second (22nd) week of the academic year will result in an "F" unless the withdrawal is by administrative approval. Withdrawal from school is also withdrawal from classes. Withdrawal forms require the signature of the College Dual Credit Program Coordinator after being notified by the high school counselor or principal.

Career Planning at Braymer High School

"What are your plans after high school?" That is a question students are asked many times throughout the course of their public school education. This question is not easily answered because of the multitude of possible post-secondary options that are currently available to our students. Tomorrow's jobs will require more knowledge and training, highly developed 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.

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 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 Missouri Connections' online program (www.missouriconnections.org) along with various other interest assessments to explore the variety of options students have beyond high school.

Using the results of career assessments students create their Individual Career and Academic Plan (ICAP) 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 whether it is transitioning to work, college, technical training, or the military.

Career Paths and Career Clusters

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.

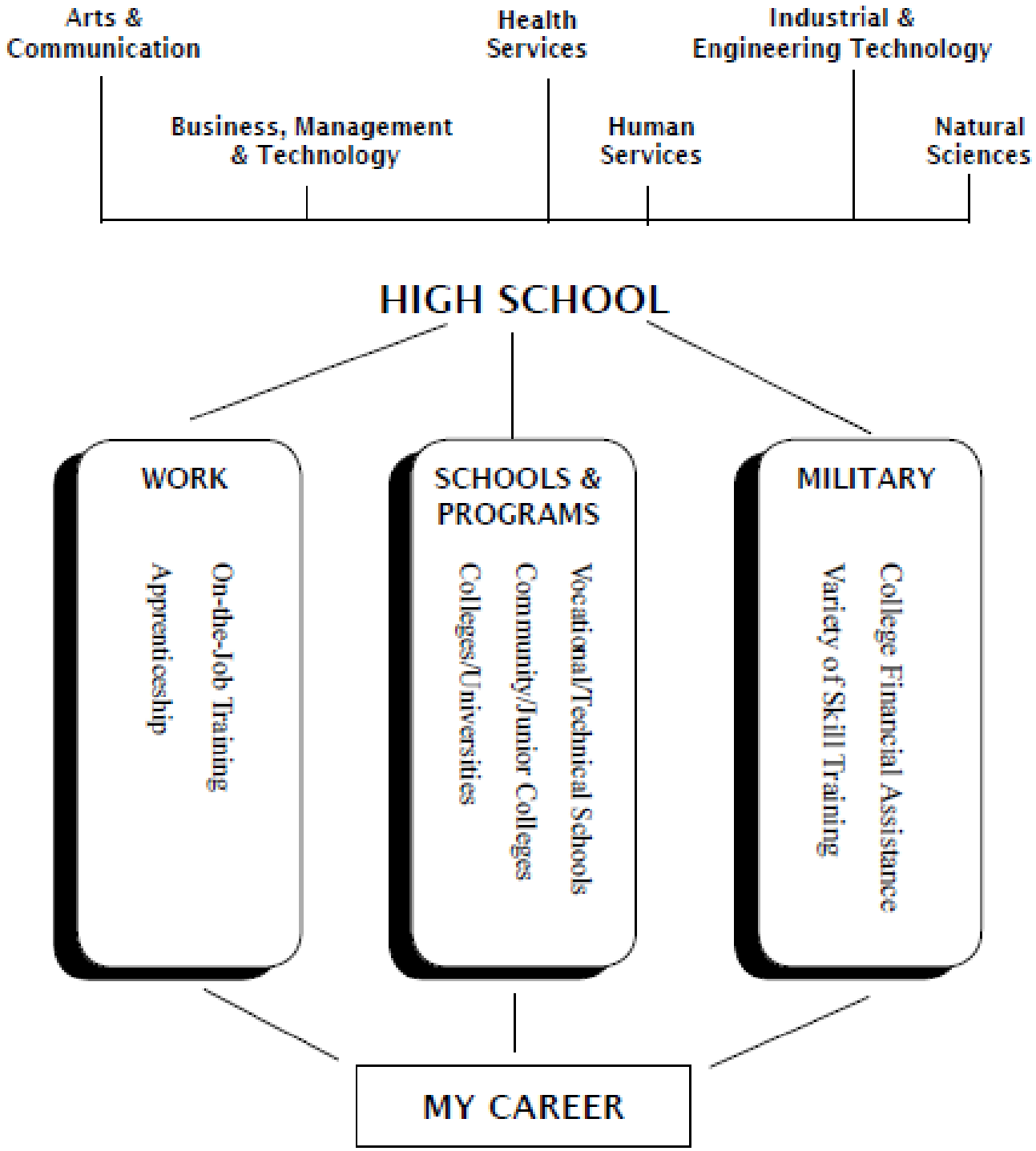
Benefits

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.

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 an Individual Career and Academic Plan (ICAP) by selecting courses and co-curricular activities that relate to your educational and career goals.
6. If undecided regarding a career path or cluster, choose courses from different career areas to give you a better idea of your interests.

Career Preparation
Choices After High School



Your Choices After High School

On-the-Job Training	Some occupations do not require training prior to employment; rather additional training and skills required beyond high school are provided by the employer.
Apprenticeship	Apprenticeship is a three to four-year training program where you earn money while you learn, working on the job. You receive a license at the end of training. Examples of trades that use apprenticeship are bricklaying, jewelry making, electrical repair, etc.
Vocational/ Technical School	Programs at these schools are generally from one month to four years in length. Examples of vocational technical programs include practical nursing, robotics, and some areas of business.
Community/ Junior College	Community colleges offer two-year "degree" vocational training, associate degrees, or credit transfer to a college or university where you can pursue a bachelor's degree. Most community colleges have an open enrollment policy for high school graduates and individuals with GEDs.
College/ University	A bachelor's degree requires approximately four years of college. A master's degree usually requires one to two years of college beyond the bachelor's degree. A minimum of a bachelor's degree is required for about 20% of the occupations in the United States. Entrance requirements depend on the desired program/ major.
Military	Training is available for many jobs while you are enlisted. You may also receive financial assistance for college, room and board, salary, and insurance benefits. High school graduation is required. Another consideration for students would be the military academies like West Point or University ROTC.

CAREER PATHS & CAREER CLUSTERS

Arts and Communication	Arts A/V Technology & Communications
Business, Management & Technology	Business, Management & Administration Finance Information Technology Marketing, Sales and Service
Health Services	Health Science
Human Services	Education & Training Government & Public Administration Hospitality & Tourism Human Services
Industrial & Engineering Technology	Architecture & Construction Manufacturing Science, Technology, Engineering & Mathematics Transportation, Distribution & Logistics
Natural Resources/Agriculture	Agriculture, Food & Natural Resources

The Sixteen Career Clusters

	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.
	Careers in designing, planning, managing, building and maintaining the built environment.
	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
	Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.
	Planning, managing and providing education and training services, and related learning support services.
	Planning, services for financial and investment planning, banking, insurance, and business financial management.
	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.
	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
	Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.
	Preparing individuals for employment in career pathways that relate to families and human needs.

Information Technology	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.
911 Law, Public Safety, Corrections & Security	Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.
Manufacturing	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.
Marketing, Sales & Service	Planning, managing, and performing marketing activities to reach organizational objectives.
Science, Technology, Engineering & Mathematics	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.
Transportation, Distribution & Logistics	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.

BRAYMER HIGH SCHOOL
PROGRAM OF STUDY TEMPLATES BY CAREER CLUSTER

"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 Braymer C-4 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/researching careers, and taking advantage of the many extra-curricular and enrichment activities available. The school district uses the Missouri Connections online program (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 Individual Career and Academic Plan 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 Individual Career and Academic Plan. 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.

Braymer High School
Agriculture, Food & Natural Resources
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Ag Science I		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☒ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	PE Ag Science II Personal Finance/Health Science Electives Spanish I Spanish II		**Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Advanced Ag Courses Science Electives Spanish I Spanish II	♦Welding Technology I	**Assessments/Certifications**: ☒ *Technical Skills Attainment (TSA)* ☐ *Other:* _____ **Placement Assessments:** ☐ *Compass Test* ☐ *PLAN* ☒ *ACT* ☐ *PSAT* ☐ *SAT* ☒ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Advanced Ag Courses Science Electives Spanish I Spanish II	♦Welding Technology II	**Student Organizations:** ☐ *DECA* ☒ *FBLA* ☒ *FFA* ☐ *FCCLA* ☒ *SkillsUSA* ☐ *Other:* _____

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org					
	Community College	**Technical School/Training Institution**	**In State**		**Out of State/Other**
Postsecondary	♦**North Central Missouri College** **www.ncmissouri.edu** Agriculture Programs – 9 hrs Welding – 30 hrs Technical	**Grand River Technical School** **www.grts.org**	**A.T. Skill University of Health Sciences** **www.atsu.edu** **Avila University - www.avila.edu** **Central Methodist University** **www.centralmethodist.edu** **College of the Ozarks - www.coto.edu** **Columbia College - www.ccis.edu** **Culver-Stockon College** **www.culver.edu** **Drury University -** www.drury.edu **Evangel University - www.evangel.edu** **Fontbonne Univ - www.fontbonne.edu** **Hannibal-Lagrange College -** **www.hlq.edu** **Lincoln University -** www.lincolnu.edu **Lindenwood University** **www.lindenwood.edu** **Maryville University of St. Louis** **www.maryville.edu** **Missouri Baptist Univ - www.mobap.edu** **MO Southern State University** **www.mssu.edu** **Missouri State University** **www.missouristate.edu** **Missouri State University – West Plains** **www.wp.missouristate.edu** **MO Univ of Science & Technology** www.mst.edu **Missouri Valley College** **www.moval.edu**	**Missouri Western State University** **www.missouriwestern.edu** **Northwest Missouri State University** **www.nwmissouri.edu** **Park University - www.park.edu** **Rockhurst University -** **www.rockhurst.edu** **Saint Louis University** **www.imagine.stu.edu** **Southeast MO State University** **www.semo.edu** **Southwest Baptist University** **www.sbuniv.edu** **Stephens College - www.stephens.edu** **Truman State Univ - www.truman.edu** **Univ of Central MO - www.ucmo.edu** **University of MO – Columbia** www.missouri.edu **University of MO – Kansas City** **www.umkc.edu** **Univ of MO – St Louis - www.umsl.edu** **Washington University -** www.wustl.edu **Webster University** www.websteruniv.edu **Westminster College** www.westminster-mo.edu **William Jewell College -** www.jewell.edu **William Woods** University www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Ironworkers Union Apprenticeship Program of Kansas City –** **www.ironworkers10.com** **Petropolis Academy of Grooming & Training - www.petropolisacademy.com** **Midwest Institute** **www.midwestinstitute.com**

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-The-Job Training or Less	**Technical Training or Associate Degree**	**Bachelors Degree**	**Masters Degree or More**
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

Braymer High School
Architecture & Construction
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	**9**	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Ag Science I Business Classes Computer Science Class		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☒ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____ **Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____ **Assessments/Certifications**: ☒ *Technical Skills Attainment (TSA)* ☒ *Other:* *CompTIA A+* **Placement Assessments:** ☐ *Compass Test* ☐ *PLAN* ☒ *ACT* ☐ *PSAT* ☐ *SAT* ☒ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____ **Student Organizations:** ☐ *DECA* ☒ *FBLA* ☒ *FFA* ☐ *FCCLA* ☒ *SkillsUSA* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	PE Fine Arts Ag Science II Business Classes Personal Finance/Health Spanish I Computer Science Classes		
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Advanced Ag Courses Business Classes Spanish I Spanish II Computer Science Classes	♦Building Trades I ♦Computer Service Technology I ♦Welding Technology I	
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Advanced Ag Courses Business Classes Spanish I Spanish II Computer Science Classes	♦Building Trades II ♦Computer Service Technology II ♦Welding Technology II	

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org				
Postsecondary	**Community College**	**Technical School/Training Institution**	**In State**	**Out of State/Other**
	♦**Metropolitan Community College** www.mcckc.edu Accounting I&II – 3 hrs Accounting I Entrepreneurship – 3 hrs Bus Essentials Microcomputer Apps – 3 hrs Microcomputer Apps I ♦ ✷ **North Central Missouri College** www.ncmissouri.edu Ag Program – 9 hrs Carpentry – 30 hrs Technical Computer Service Technology – 30 hrs Welding – 30 hrs Technical ♦**State Fair Community College** www.sfccmo.edu Microcomputer Apps – 3 hrs Microcomputer Apps I Carpentry – 9 hrs Constructions Methods	**Grand River Technical School** www.grts.org	**Avila University** - www.avila.edu **Baptist Bible College** - www.baptist.edu **Bryan College** - www.bryancollege.ecom **Central Methodist University** www.centralmethodist.edu **College of the Ozarks** - www.coto.edu **Columbia College** - www.ccis.edu **Culver-Stockon College** - www.culver.edu **Drury University** - www.drury.edu **Evangel University** - www.evangel.edu **Everest College** www.everest-college.edu **Fontbonne Univ** - www.fontbonne.edu **Hannibal-Lagrange College** -www.hlg.edu **Harris-Stowe State Univ** - www.hssu.edu **Lincoln University** - www.lincolnu.edu **Lindenwood Univ** - www.lindenwood.edu **Maryville Univ of St. Louis** www.maryville.edu **Messenger College** www.messengercollege.edu **Missouri Baptist Univ** - www.mobap.edu **Missouri College** www.missouricollege.com **Missouri Southern State University** www.mssu.edu **Missouri State University** www.missouristate.edu **Missouri State University – West Plains** www.wp.missouristate.edu	**MO University of Science & Technology** www.mst.edu **Missouri Western State University** www.missouriwestern.edu **Park University** - www.park.edu **Rockhurst University** www.rockhurst.edu **Saint Louis University** www.imagine.stu.edu **Sanford-Brown College** www.sanford-browncollege.com **Southeast MO State University** www.semo.edu **Southwest Baptist Univ** -www.sbuniv.edu **Stephens College** - www.stephens.edu **Truman State Univ** - www.truman.edu **Univ of Central MO** - www.ucmo.edu **Univ of MO – Columbia** -www.missouri.edu **Univ of MO – Kansas City** www.umkc.edu **Univ of MO – St Louis** - www.umsl.edu **University of Phoenix** - www.phoenix.edu **Vatterott College** www.vatterott-college.edu **Washington University** - www.wustl.edu **Webster University** - www.websteruniv.edu **Westminster College** www.westminster-mo.edu **William Jewell College** - www.jewell.edu **William Woods** University www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Ironworkers Union Apprenticeship Program of KC** – www.ironworkers10.com **Carpenter's Union Apprenticeship Program of KC** – www.carpenterstraining-kc.com **Foley-Belsaw Institute** www.foley-belsaw.com **Colorado Technical University** www.coloradotech.com **DeVry University** www.drury.edu **Grantham University** www.grantham.edu **ITT Technical Institute** www.itt-tech.edu **MERS/Missouri Goodwill Industries** www.mersgoodwill.org **Missouri Welding Institute** www.nwi.ws **National American University** www.national.edu

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

Braymer High School
Arts, A/V Technology & Communications
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Business Classes ELA Electives		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☐ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____ **Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____ **Assessments/Certifications**: ☒ *Technical Skills Attainment (TSA)* ☒ *Other:* *CompTIA A+* **Placement Assessments:** ☐ *Compass Test* ☐ *PLAN* ☐ *ACT* ☐ *PSAT* ☐ *SAT* ☐ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____ **Student Organizations:** ☐ *DECA* ☒ *FBLA* ☐ *FFA* ☐ *FCCLA* ☒ *SkillsUSA* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	Fine Arts Business Classes ELA Electives Spanish I Personal Finance/Health		
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Fine Arts Business Classes ELA Electives Spanish I Spanish II Mass Media	♦Computer Service Technology I	
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Fine Arts Business Classes ELA Electives Spanish I Spanish II Mass Media I or II	♦Computer Service Technology II	

Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org					
	Community College	**Technical School/Training Institution**	**In State**		**Out of State/Other**
Postsecondary	**♦Metropolitan Community College** **www.mcckc.edu** Microcomputer Apps – 3 hrs Microcomputer Apps I **♦ ✷ North Central Missouri College** **www.ncmissouri.edu** Computer Service Technology – 30 hrs **♦State Fair Community College** **www.sfccmo.edu** Microcomputer Apps – 3 hrs Microcomputer Apps I	**Grand River Technical School** **www.grts.org**	**Avila University - www.avila.edu** **Bryan College - www.bryancollege.com** **Central Methodist University** **www.centralmethodist.edu** **College of the Ozarks - www.coto.edu** **Columbia College - www.ccis.edu** **Culver-Stockon College – www.culver.edu** **DeVry University – www.devry.edu** **Drury University -** www.drury.edu **Evangel University - www.evangel.edu** **Everest College** **www.everest-college.com** **Fontbonne Univ - www.fontbonne.edu** **Hannibal-Lagrange College - www.hlq.edu** **Harris-Stowe State Univ -www.hssu.edu** **Hickey College** **www.hickeycollege.edu** **Lincoln University -** www.lincolnu.edu **Lindenwood Univ - www.lindenwood.edu** **Maryville Univ of St. Louis** **www.maryville.edu** **Messenger College** **www.messengercollege.edu** **Missouri Baptist Univ - www.mobap.edu** **Missouri College** **www.missouricollege.com** **MO Southern State Univ - www.mssu.edu** **Missouri State University** **www.missouristate.edu**	**Missouri State University – West Plains** **www.wp.missouristate.edu** **Missouri Valley College –www.moval.edu** **Missouri Western State University** **www.missouriwestern.edu** **Northwest Missouri State University** **www.nwmissouri.edu** **Ozark Christian College – www.occ.edu** **Park University - www.park.edu** **Patricia Stevens College** **www.patriciastevenscollege.edu** **Rockhurst University - www.rockhurst.edu** **Saint Louis Univ - www.imagine.stu.edu** **Sanford-Brown College** **www.sanford-browncollege.com** **Southeast MO State Univ -www.semo.edu** **Southwest Baptist Univ -www.sbuniv.edu** **Stephens College - www.stephens.edu** **Truman State Univ - www.truman.edu** **Univ of Central MO - www.ucmo.edu** **Univ of MO – Columbia -**www.missouri.edu **Univ of MO – Kansas City - www.umkc.edu** **Univ of MO – Rolla – www.umr.edu** **Univ of MO – St Louis - www.umsl.edu** **Vatterott Coll - www.vatterott-college.edu** **Washington University -** www.wustl.edu **Webster University -** www.websteruniv.edu **William Jewell College -** www.jewell.edu **William Woods University** www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **American College of Technology** **www.acot.edu** **Baptist Bible College -** **www.baptist.edu** **Barbizon School of Clayton** **www.barbizonmodeling.com** **Broadcast Center** **www.broadcastcenterinfo.com** **Calvary Bible College and Theological Seminary - www.calvary.edu** **Central Bible College -** **www.cbcag.edu** **Colorado Technical University** **www.coloradotech.com** **Court Report Academy** **www.thecourtreportingacademy.com** **ITT Technical Institute** **www.itt-tech.edu** **Kansas City Art Inst - www.kcai.edu** **Midwestern Baptists Theological Seminary - www.mbts.edu** **Missouri Tech – www.motech.edu** **National American University** **www.national.edu**

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

Braymer High School
Business Management & Administration
Career Cluster Program of Study Template
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Minimum Graduation Requirements	SUGGESTED COURSE OF HIGH SCHOOL STUDY It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Business Classes		**School-Based:** ☐ *Career Research* ☒ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☐ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	Business Classes Spanish I Personal Finance/Health		**Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Business Classes Spanish I or II	♦Computer Service Technology I	**Assessments/Certifications**: ☒ *Technical Skills Attainment (TSA)* ☒ *Other:* *CompTIA A+* **Placement Assessments:** ☐ *Compass Test* ☐ *PLAN* ☐ *ACT* ☐ *PSAT* ☐ *SAT* ☐ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Business Classes Spanish I or II	♦Computer Service Technology I	**Student Organizations:** ☐ *DECA* ☒ *FBLA* ☒ *FFA* ☐ *FCCLA* ☒ *SkillsUSA* ☐ *Other:* _____

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org				
	Community College	**Technical School/Training Institution**	**In State**	**Out of State/Other**
Postsecondary	**♦Metropolitan Community College** **www.mcckc.edu** Accounting I&II – 3 hrs Accounting I Entrepreneurship – 3 hrs Bus Essentials Microcomputer Apps – 3 hrs Microcomputer Apps I **♦ ✸ North Central Missouri College** **www.ncmissouri.edu** Ag Program – 9 hrs Computer Service Technology – 30 hrs **♦State Fair Community College** **www.sfccmo.edu** Microcomputer Apps – 3 hrs Microcomputer Apps I	**Grand River Technical School** **www.grts.org**	**Avila University - www.avila.edu** **Baptist Bible College - www.baptist.edu** **Bryan College - www.bryancollege.com** **Central Methodist University** **www.centralmethodist.edu** **College of the Ozarks - www.coto.edu** **Columbia College - www.ccis.edu** **Culver-Stockon College - www.culver.edu** **DeVry University – www.devry.edu** **Drury University -** www.drury.edu **Evangel University - www.evangel.edu** **Everest College - www.everest-college.com** **Fontbonne Univ - www.fontbonne.edu** **Hannibal-Lagrange College -www.hlq.edu** **Harris-Stowe State Univ - www.hssu.edu** **Hickey College - www.hickeycollege.edu** **Lincoln University -** www.lincolnu.edu **Lindenwood Univ - www.lindenwood.edu** **Maryville Univ of St. Louis** **www.maryville.edu** **Messenger College** **www.messengercollege.edu** **Missouri Baptist Univ - www.mobap.edu** **Missouri College** **www.missouricollege.com** **MO Southern State Univ - www.mssu.edu** **Missouri State University** **www.missouristate.edu** **Missouri State University – West Plains** **www.wp.missouristate.edu** **Missouri Western State University** **www.missouriwestern.edu** **Northwest Missouri State University** **www.nwmissouri.edu** **Park University - www.park.edu** **Patricia Stevens College** **www.patriciastevenscollege.edu** **Rockhurst University - www.rockhurst.edu** **Saint Louis University** **www.imagine.stu.edu** **Sanford-Brown College** **www.sanford-browncollege.com** **Southeast MO State Univ -www.semo.edu** **Southwest Baptist Univ -www.sbuniv.edu** **Stephens College - www.stephens.edu** **Truman State Univ - www.truman.edu** **Univ of Central MO - www.ucmo.edu** **Univ of MO – Columbia -**www.missouri.edu **Univ of MO – Kansas City www.umkc.edu** **Univ of MO – Rolla – www.umr.edu** **Univ of MO – St Louis - www.umsl.edu** **Univ of Phoenix – www.phoenix.edu** **Vatterott College** **www.vatterott-college.edu** **Washington University -** www.wustl.edu **Webster University -** www.websteruniv.edu **Westminster College** www.westminster-mo.edu **William Jewell College -** www.jewell.edu **William Woods University** www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Colorado Technical University** **www.coloradotech.com** **Daruby School** **www.darubyschool.com** **Grantham University** **www.grantham.edu** **ITT Technical Institute** **www.itt-tech.edu** **Metro Business College** **www.metrobusinesscollege.edu** **MVC Computer & Business School** **www.mvcschool.com** **National American University** **www.national.edu** **TechSkills** **www.techskills.com** **Texas County Technical Institute** **www.texascountytech.edu**

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-the-Job Training	**Technical Training or Associate Degree**	**Bachelors Degree**	**Masters Degree or More**
Billing Clerks Bookkeeping and Accounting Clerks Computer Operators Copy Machine Operators Couriers and Messengers Data Entry File Clerks General Office Clerks Human Resources Assistants Interviewing Clerks Mail Clerks Order Clerks and Stock Clerks Payroll and Timekeeping clerks Receptionists Secretaries Shipping and Receiving Clerks Typists	Court Reporters First-Line Supervisors/Managers General and Operations Managers Production and Operating Workers	Administrative Services Managers Advertising Managers Business Executives Computer and Information Systems Managers Employee Training Specialists Employment Interviewers and Recruiters Human Resources Managers Job Benefits and Analysis Specialists Management Analysts Market Research Analysts Meeting and Convention Planners Property and Real Estate Managers Public Relations Managers, Specialists Purchasing Manager and Sales Managers Regulatory Affairs Specialists Social and Community Services Managers Storage and Distribution Managers	Business Teacher, Postsecondary Chief Executives Controller, Treasurers Economists Medical and Health Services Managers Operations Research Analysts Statisticians

Braymer High School
Education & Training
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Business Classes		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☐ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	Fine Arts Business Classes Spanish I Personal Finance/Health		**Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Fine Arts Business Classes Spanish I or II Mass Media Psychology	♦Child Care Services I	**Assessments/Certifications**: ☒ *Technical Skills Attainment (TSA)* ☐ *Other:* _____ **Placement Assessments:** ☐ *Compass Test* ☐ *PLAN* ☐ *ACT* ☐ *PSAT* ☐ *SAT* ☐ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Fine Arts Business Classes Spanish I or II Cadet Teaching Mass Media I or II Psychology	♦Child Care Services II	**Student Organizations:** ☐ *DECA* ☐ *FBLA* ☐ *FFA* ☒ *FCCLA* ☐ *SkillsUSA* ☐ *Other:* _____

Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org.					
	Community College	**Technical School/Training Institution**	**In State**		**Out of State/Other**
Postsecondary	♦**Metropolitan Community College – Penn Valley - www.mcckc.edu** Child Care Services – 10 hrs Child Care ♦**North Central Missouri College www.ncmissouri.edu** Child Care – 9 hrs Child Care	**Grand River Technical School - www.grts.org**	**Avila University - www.avila.edu** **Central Methodist University www.centralmethodist.edu** **College of the Ozarks - www.coto.edu** **Columbia College - www.ccis.edu** **Cottey College - www.cottey.edu** **Culver-Stockton College www.culver.edu** **Drury University -** www.drury.edu **Evangel University - www.evangel.edu** **Fontbonne Univ - www.fontbonne.edu** **Hannibal-Lagrange College www.hlq.edu** **Harris-Stowe State Univ -www.hssu.edu** **Lincoln University -** www.lincolnu.edu **Lindenwood Univ - www.lindenwood.edu** **Missouri Baptist Univ - www.mobap.edu** **Maryville University of St. Louis www.maryville.edu** **Messenger College www.messengercollege.edu** **MO Southern State University www.mssu.edu** **Missouri State University www.missouristate.edu** **Missouri State University – West Plains www.wp.missouristate.edu** **Missouri Valley College –www.moval.edu** **Missouri Western State University www.missouriwestern.edu**	**Northwest Missouri State University www.nwmissouri.edu** **Park University - www.park.edu** **Rockhurst University www.rockhurst.edu** **Saint Louis Univ - www.imagine.stu.edu** **St Louis Christian College www.slcconline.edu** **Southeast MO State University www.semo.edu** **Southwest Baptist University www.sbuniv.edu** **Stephens College - www.stephens.edu** **Truman State Univ - www.truman.edu** **Univ of Central MO - www.ucmo.edu** **University of MO – Columbia** www.missouri.edu **University of MO – Kansas City www.umkc.edu** **University of MO – St Louis www.umsl.edu** **Washington University -** www.wustl.edu **Westminster College www.westminster-mo.edu** **Webster University** www.websteruniv.edu **William Jewell College -** www.jewell.edu **William Woods University** www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Baptist Bible College & Graduate School www.baptist.edu** **Calvary Bible College and Theological Seminary - www.calvary.edu** **Colorado Technical University www.coloradotech.com** **Conception Seminary College www.conceptionabbey.org** **Grantham University www.grantham.edu** **National American University www.national.edu** **Paris II Educational Center www.parisii.net** **Wentworth Military Academy www.wma1880.org**

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-The-Job Training or Less	**Technical Training or Associate Degree**	**Bachelors Degree**	**Masters Degree or More**
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

Braymer High School
Finance
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Business Classes		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☐ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	Fine Arts Business Classes Spanish I Personal Finance/Health		**Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Fine Arts Business Classes Spanish I or II	Business Courses	**Assessments/Certifications**: ☒ *Technical Skills Attainment (TSA)* ☐ *Other:* _____ **Placement Assessments:** ☐ *Compass Test* ☐ *PLAN* ☐ *ACT* ☐ *PSAT* ☐ *SAT* ☐ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Fine Arts Business Classes Spanish I or II	Business Courses	**Student Organizations:** ☐ *DECA* ☒ *FBLA* ☐ *FFA* ☐ *FCCLA* ☐ *SkillsUSA* ☐ *Other:* _____

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org					
	Community College	**Technical School**	**In State**		**Out of State/Other**
Postsecondary	♦**Metropolitan Community College** **www.mcckc.edu** Accounting I&II – 3 hrs Accounting I Entrepreneurship – 3 hrs Bus Essentials Microcomputer Apps – 3 hrs Microcomputer Apps I ✷ **North Central Missouri College** **www.ncmissouri.edu** ♦**State Fair Community College** **www.sfccmo.edu** Microcomputer Apps – 3 hrs Microcomputer Apps I	**Grand River Technical School** www.grts.org	**Avila University - www.avila.edu** **Central Methodist University** **www.centralmethodist.edu** **Columbia College - www.ccis.edu** **College of the Ozarks - www.coto.edu** **Culver-Stockon College** **www.culver.edu** **DeVry University – www.devry.edu** **Drury University -** www.drury.edu **Evangel University - www.evangel.edu** **Everest College** **www.everest-college.com** **Fontbonne Univ - www.fontbonne.edu** **Hannibal-Lagrange College** **www.hlq.edu** **Hickey College - www.hickeycollege.edu** **Lincoln University -** www.lincolnu.edu **Lindenwood Univ - www.lindenwood.edu** **Maryville University of St. Louis** **www.maryville.edu** **Missouri College** **www.missouricollege.com** **MO Southern State University** **www.mssu.edu** **Missouri State University** **www.missouristate.edu** **Missouri Valley College** **www.moval.edu** **Missouri Western State University** **www.missouriwestern.edu**	**Northwest Missouri State University** **www.nwmissouri.edu** **Park University - www.park.edu** **Rockhurst University** **www.rockhurst.edu** **Saint Louis University** **www.imagine.stu.edu** **Southeast MO State University** **www.semo.edu** **Stephens College - www.stephens.edu** **Truman State Univ - www.truman.edu** **Univ of Central MO - www.ucmo.edu** **Univ of MO – Columbia** www.missouri.edu **University of MO – Kansas City** **www.umkc.edu** **Univ of MO – Rolla – www.umr.edu** **Univ of MO – St Louis - www.umsl.edu** **Washington University -** www.wustl.edu **Webster University -** www.websteruniv.edu **Westminster College** www.westminster-mo.edu **William Jewell College -** www.jewell.edu **William Woods University** www.williamwoods.edu **Vatterott College** **www.vatterott-college.edu**	• **Apprenticeship** • **Military** • **On-the-Job Training** **Colorado Technical University** **www.coloradotech.com** **National American University** **www.national.edu**

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-the-Job Training	**Technical or Associate Degree**	**Bachelors Degree**	**Masters Degree or More**
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

Braymer High School
Government & Public Administration
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Personal Finance		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☐ *Embedded Credit* ☐ *Communication Arts* ☐ *Mathematics* ☐ *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	Algebra B Algebra II	Biology	World History	Business Classes Social Studies Electives Spanish I Personal Finance/Health		
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Business Classes Social Studies Electives Spanish I or II Psychology Sociology		
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Business Classes Social Studies Electives Spanish I or II Psychology Sociology		

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org					
	Community College	**Technical School/Training Institution**	**In State**		**Out of State/Other**
Postsecondary	**Crowder College** www.crowder.edu **East Central College** www.eastcentral.edu **Moberly Area Community College** www.macc.edu	**Cape Girardeau Career/Tech Center** www.cape.k12.mo.us/cc/default.htm **Clinton Technical School** www.ed2go.com/cts **Franklin Technology – MSSU** www.ftcjoplin.com **Grand River Technical School** www.grts.org **Hillyard Technical Center** www.hillyardtech.com **Lex La-Ray Technical Center** www.lexington.k12.mo.us **Moberly Area Technical Center** www.moberly.k12.mo.us **Pike-Lincoln Technical Center** http://pltc.k12.mo.us **Saline County Career Center** www.marshallschools.com/sccc **Sikeston Career & Technology Center** www.sikestone.k12.mo.us	**Avila University** www.avila.edu **Central Methodist University** www.centralmethodist.edu **College of the Ozarks** www.cofo.edu **Columbia College** www.ccis.edu **Culver-Stockon College** www.culver.edu **Drury University** www.drury.edu **Evangel University** www.evangel.edu **Everest College** www.everest-college.edu **Fontbonne University** www.fontbonne.edu **Harris-Stowe State University** www.hssu.edu **Lincoln University** www.lincolnu.edu **Lindenwood University** **www.lindenwood.edu** **Maryville University of Saint Louis** www.maryville.edu **Missouri Baptist University** www.mobap.edu **Missouri Southern State University** www.mssu.edu **Missouri State University** **www.missouristate.edu**	**Missouri Valley College** www.moval.edu **Missouri Western State University** www.missouriwestern.edu **Northwest Missouri State University** www.nwmissouri.edu **Park University** www.park.edu **Rockhurst University** www.rockhurst.edu **Saint Louis University** www.imagine.slu.edu **Southeast MO State University** www.semo.edu **Southwest Baptist University** www.sbuniv.edu **Stephens College** www.stephens.edu **Truman State University** www.truman.edu **University of Central Missouri** www.ucmo.edu **University of MO – Columbia** www.missouri.edu **University of Missouri – Kansas City** www.umkc.edu **University of MO – St Louis** www.umsl.edu **Washington University** www.wustl.edu **Webster University** www.webster.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **ITT Technical Institute** www.itt-tech.edu **Kansas City Art Institute** **www.kcai.edu** **National American University** www.national.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-The-Job Training or Less	**Technical Training or Associate Degree**	**Bachelors Degree**	**Masters Degree or More**
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

Braymer High School
Health Sciences
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Ag Science I		**School-Based:** ☐ *Career Research* ☒ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☐ *Job Shadowing* ☐ *Service Learning Project* ☒ *Other: Clinicals* **Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____ **Assessments/Certifications:** ☒ *Technical Skills Attainment (TSA)* ☒ *Other:* *Certified Nurse Assistant (CNA)* **Placement Assessments:** ☐ *Compass Test* ☐ *PLAN* ☐ *ACT* ☐ *PSAT* ☐ *SAT* ☐ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____ **Student Organizations:** ☐ *DECA* ☐ *FBLA* ☒ *FFA* ☐ *FCCLA* ☒ *SkillsUSA* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	PE Ag Science II Spanish I Science Electives Personal Finance/Health		
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	PE Science Electives Advanced Ag Courses Spanish I or Spanish II Psychology	♦Health Services Technology I	
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	PE Science Electives Advanced Ag Courses Spanish I or Spanish II Psychology	♦Health Services Technology II	

Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org.					
	Community College	**Technical School/Training Institution**	**In State**		**Out of State/Other**
Postsecondary	**North Central MO College** www.ncmissouri.edu Ag Program – 9 hrs Health Services plus pass of CNA exam – 3 hrs Foundations in Nursing	**Grand River Technical School** www.grts.org	**AT Skill University of Health Sciences** www.atsu.edu **Avila University** - www.avila.edu **Bryan College** - www.bryancollege.com **Central Methodist University** www.centralmethodist.edu **College of the Ozarks** - www.coto.edu **Columbia College** - www.ccis.edu **Culver-Stockton College** - www.culver.edu **Drury University** - www.drury.edu **Evangel University** - www.evangel.edu **Everest College** www.everest-college.com **Fontbonne Univ** - www.fontbonne.edu **Hannibal-Lagrange College** www.hlq.edu **Harris-Stowe State Univ** -www.hssu.edu **Lincoln University** - www.lincolnu.edu **Lindenwood Univ** - www.lindenwood.edu **Maryville Univ of St. Louis** www.maryville.edu **Missouri College** www.missouricollege.com **Missouri Baptist Univ** - www.mobap.edu **MO Southern State Univ** - www.mssu.edu **Missouri State University** www.missouristate.edu **Missouri State University – West Plains** www.wp.missouristate.edu	**Missouri Valley College** –www.moval.edu **Missouri Western State University** www.missouriwestern.edu **Northwest Missouri State University** www.nwmissouri.edu **Park University** - www.park.edu **Patricia Stevens College** www.patriciastevenscollege.edu **Rockhurst University** - www.rockhurst.edu **Saint Louis Univ** - www.imagine.stu.edu **Sanford-Brown College** www.sanford-browncollege.com **Southeast MO State Univ** -www.semo.edu **Southwest Baptist Univ** -www.sbuniv.edu **Stephens College** - www.stephens.edu **Truman State Univ** - www.truman.edu **Univ of Central MO** - www.ucmo.edu **Univ of MO – Columbia** -www.missouri.edu **Univ of MO – Kansas City** www.umkc.edu **Univ of MO – St Louis** - www.umsl.edu **Univ of Phoenix** – www.phoenix.edu **Vatterott College** www.vatterott-college.edu **Washington University** - www.wustl.edu **Webster University** - www.websteruniv.edu **William Jewell College** - www.jewell.edu **William Woods University** www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Allied College** - www.hightechinstitute.edu **Barnes-Jewish College of Nursing & Allied Health** - www.barnesjewishcollege.edu **Cleveland Chiropractic College** www.cleveland.edu **Colorado Tech Univ** www.coloradotech.com **Cox Health** - www.coxhealth.com **Chamberlain College of Nursing** www.chamberlain.edu **Heritage Coll** - www.heritage-college.com **Cox College of Nursing & Health Science** www.coxcollege.edu **Logan Coll of Chiropractic** - www.logan.edu **Lutheran School of Nursing** www.nursingschooollmc.com **Kansas City Univ of Med & Biosciences** - www.kcumb.edu **Research Med Ctr School of Nuclear Med** www.researchmedicalcenter.com **St John's Reg Health Ctr** -www.stjohns.com **Saint Luke's College** - www.saint-lukes.org **St Louis College of Health Careers** www.slchc.com **St Louis Coll Pharmacy** - www.stlcoop.edu **Southeast MO Hospital College of Nursing** www.souteastmissourihospital.com **Truman Med Ctr School - Nurse Anesthesia** www.trumed.org

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

Braymer High School
Hospitality & Tourism
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Business Classes		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☐ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	Business Classes Spanish I Fine Arts Electives Personal Finance/Health		**Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Business Classes Spanish I or II Fine Arts Electives Mass Media Psychology	Hospitality & Tourism Mngmt I	**Assessments/Certifications**: ☒ *Technical Skills Attainment (TSA)* ☐ *Other:* _____ **Placement Assessments:** ☐ *Compass Test* ☐ *PLAN* ☐ *ACT* ☐ *PSAT* ☐ *SAT* ☐ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Business Classes Spanish I or II Fine Arts Electives Mass Media Psychology	Hospitality & Tourism Mngmt II	**Student Organizations:** ☐ *DECA* ☒ *FBLA* ☐ *FFA* ☐ *FCCLA* ☐ *SkillsUSA* ☐ *Other:* _____

Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org					
	Community College	**Technical School/Training Institution**	**In State**		**Out of State/Other**
Postsecondary	**♦Metropolitan Community College** **www.mcckc.edu** Accounting I&II – 3 hrs Accounting I Entrepreneurship – 3 hrs Bus Essentials Microcomputer Apps – 3 hrs Microcomputer Apps I **✸ North Central Missouri College** **www.ncmissouri.edu** **♦State Fair Community College** **www.sfccmo.edu** Microcomputer Apps – 3 hrs Microcomputer Apps I	**Grand River Technical School** **www.grts.org**	**Avila University - www.avila.edu** **Central Methodist University** **www.centralmethodist.edu** **College of the Ozarks - www.coto.edu** **Columbia College - www.ccis.edu** **Culver-Stockon College** **www.culver.edu** **Drury University -** www.drury.edu **Evangel University - www.evangel.edu** **Fontbonne Univ - www.fontbonne.edu** **Lincoln University -** www.lincolnu.edu **Lindenwood Univ - www.lindenwood.edu** **Missouri Baptist Univ - www.mobap.edu** **MO Southern State University** **www.mssu.edu** **Missouri State University** **www.missouristate.edu** **Missouri Valley College** **www.moval.edu** **Missouri Western State University** **www.missouriwestern.edu** **Northwest Missouri State University** **www.nwmissouri.edu**	**Park University - www.park.edu** **Rockhurst University -** **www.rockhurst.edu** **Saint Louis Univ - www.imagine.stu.edu** **Southeast MO State Univ -** **www.semo.edu** **Southwest Baptist Univ -** **www.sbuniv.edu** **Stephens College - www.stephens.edu** **Truman State Univ - www.truman.edu** **Univ of Central MO - www.ucmo.edu** **University of MO – Columbia** www.missouri.edu **Univ of MO – Kansas City** **www.umkc.edu** **Univ of MO – St Louis - www.umsl.edu** **Washington University -** www.wustl.edu **Webster University** www.websteruniv.edu **Westminster College** **www.westminster-mo.edu** **William Jewell College -** www.jewell.edu **William Woods University** www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Kansas City Art Institute** **www.kcai.edu** **Lecole Culinaire** www.lecoleculinarie.com **Midwestern Baptist Theological Seminary** – www.mbts.edu

Sample Careers By Educational Level - For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-The-Job Training or Less	**Technical Training or Associate Degree**	**Bachelors Degree**	**Masters Degree or More**
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

Braymer High School
Human Services
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Ag Science I Business Classes		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☐ *Job Shadowing* ☐ *Service Learning Project* ☒ *Other: Clinicals* **Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other: _____* **Assessments/Certifications:** ☒ *Technical Skills Attainment (TSA)* ☒ *Other:* *Certified Nurse Assistant (CNA)* **Placement Assessments:** ☐ *Compass Test* ☐ *PLAN* ☐ *ACT* ☐ *PSAT* ☐ *SAT* ☐ *ASVAB* ☐ *WorkKeys* ☐ *Other: _____* **Student Organizations:** ☐ *DECA* ☐ *FBLA* ☐ *FFA* ☐ *FCCLA* ☒ *SkillsUSA* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	PE Fine Arts Ag Science II Business Classes Spanish I Personal Finance/Health		
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	PE Fine Arts Advanced Ag Electives Business Classes Spanish I or II Mass Media Psychology	♦Child Care Services I ♦Health Services Technology I	
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	PE Fine Arts Advanced Ag Electives Business Classes Spanish I or II Mass Media I or II Psychology	♦Child Care Services II ♦Health Services Technology II	

Postsecondary Offerings - For A Complete Listing, go to www.missouriconnections.org					
	Community College	**Technical School/Training Institution**	**In State**		**Out of State/Other**
Postsecondary	♦**Metropolitan Community College – Penn Valley - www.mcckc.edu** Child Care Services – 10 hrs Child Care ♦**North Central Missouri College www.ncmissouri.edu** Child Care – 9 hrs Child Care Health Services plus pass of CNA exam – 3 hrs Foundations in Nursing	**Grand River Technical School www.grts.org**	**Allied College - www.alliedcollege.edu** **Avila University - www.avila.edu** **Central Bible College – www.cbcag.edu** **Central Methodist University www.centralmethodist.edu** **College of the Ozarks - www.coto.edu** **Columbia College - www.ccis.edu** **Conception Seminary College www.conceptionabbey.org** **Culver-Stockton College www.culver.edu** **Drury University -** www.drury.edu **Evangel University - www.evangel.edu** **Fontbonne Univ - www.fontbonne.edu** **Hannibal-Lagrange College www.hlq.edu** **Lincoln University -** www.lincolnu.edu **Lindenwood Univ - www.lindenwood.edu** **Maryville University of St. Louis www.maryville.edu** **Messenger College www.messengercollege.edu** **Metro Business College www.metrobusinesscollege.edu** **Midwest University - www.midwest.edu** **Missouri Baptist Univ - www.mobap.edu** **Missouri College www.missouricollege.com** **Missouri College of Cosmetology www.missouricosmo.com** **MO Southern State University www.mssu.edu** **Missouri State University www.missouristate.edu** **Missouri Valley College www.moval.edu**	**Missouri Western State University www.missouriwestern.edu** **Northwest Missouri State University www.nwmissouri.edu** **Ozark Christian College - www.occ.edu** **Park University - www.park.edu** **Rockhurst University www.rockhurst.edu** **Saint Louis Christian College www.slcconlin.edu** **St Louis College of Health Careers www.slchc.com** **Saint Louis Univ - www.imagine.stu.edu** **Sanford-Brown College www.sanford-browncollege.com** **Southeast MO State University www.semo.edu** **Southwest Baptist University www.sbuniv.edu** **Truman State Univ - www.truman.edu** **Univ of Central MO - www.ucmo.edu** **University of MO – Columbia** www.missouri.edu **University of MO – Kansas City www.umkc.edu** **Univ of MO – St Louis - www.umsl.edu** **Vatterott College www.vatterott-college.edu** **Washington University -** www.wustl.edu **Webster University -** www.websteruniv.edu **Westminster College www.westminster-mo.edu** **William Woods University** www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Aquinas Institute of Theology www.ai.edu** **Assemblies of God Theological Seminary – www.agts.edu** **Calvary Bible College & Theological Seminary – www.calvary.edu** **Chillicothe Beauty Academy www.chillicothecosmetology.com** **Concordia Seminary - www.csl.edu** **Cosmetology Concepts Institute www.cosmetology-concepts.com** **Covenant Theological Seminary www.covenantseminary.edu** **Eden Theological Seminary www.eden.edu** **Elaine Steven Beauty College www.elainestevenbeautycollege.com** **Grabber School of Hair Design www.grabberschool.com** **House of Heavlin Beauty College www.kc-hair.com** **Independence College of Cosmetology www.hair-skin-nails.com** **Kenrick Glennon Seminary www.kenrick.edu** **Merrell University of Beauty Arts & Science - www.merrelluniversity.edu** **Midwestern Baptist Theological Seminary - www.mbts.edu** **Nazarene Theological Seminary www.nts.edu** **St Paul School of Theology www.spst.edu**

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-The-Job Training or Less	**Technical Training or Associate Degree**	**Bachelors Degree**	**Masters Degree or More**
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

Braymer High School
Information Technology
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Business Classes Computer Service Essentials		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☐ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	Business Classes Computer Science Spanish I Personal Finance/Health		**Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Business Classes Computer Science Spanish I or II	♦Computer Service Technology I	**Assessments/Certifications**: ☒ *Technical Skills Attainment (TSA)* ☒ *Other:* *CompTIA A+* **Placement Assessments:** ☐ *Compass Test* ☐ *PLAN* ☐ *ACT* ☐ *PSAT* ☐ *SAT* ☐ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Business Classes Computer Science Spanish I or II	♦Computer Service Technology II	**Student Organizations:** ☐ *DECA* ☒ *FBLA* ☐ *FFA* ☐ *FCCLA* ☒ *SkillsUSA* ☐ *Other:* _____

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org				
Postsecondary	**Community College**	**Technical School/Training Institution**	**In State**	**Out of State/Other**
	♦**Metropolitan Community College** www.mcckc.edu Accounting I&II – 3 hrs Accounting I Entrepreneurship – 3 hrs Bus Essentials Microcomputer Apps – 3 hrs Microcomputer Apps I ♦ ✸ **North Central Missouri College** www.ncmissouri.edu Computer Service Technology – 30 hrs ♦**State Fair Community College** www.sfccmo.edu Microcomputer Apps – 3 hrs Microcomputer Apps I	**Grand River Technical School** www.grts.org	**A.T. Skill University of Health Sciences** www.atsu.edu **Avila University** - www.avila.edu **Bryan College** - www.bryancollege.com **Central Methodist University** www.centralmethodist.edu **College of the Ozarks** - www.coto.edu **Columbia College** - www.ccis.edu **Culver-Stockon College** - www.culver.edu **DeVry University** – www.devry.edu **Drury University** - www.drury.edu **Evangel University** - www.evangel.edu **Everest College** www.everest-college.com **Fontbonne Univ** - www.fontbonne.edu **Hannibal-Lagrange College** www.hlg.edu **Harris-Stowe State Univ** - www.hssu.edu **Hickey College** - www.hickeycollege.edu **Lincoln University** - www.lincolnu.edu **Lindenwood Univ** - www.lindenwood.edu **Maryville Univ of St. Louis** www.maryville.edu **Missouri Baptist Univ** - www.mobap.edu **Missouri College** www.missouricollege.com **MO Southern State University** www.mssu.edu **Missouri State University** www.missouristate.edu **Missouri State University – West Plains** www.wp.missouristate.edu **Missouri Valley College** www.moval.edu **Missouri Western State University** www.missouriwestern.edu **Northwest Missouri State University** www.nwmissouri.edu **Park University** - www.park.edu **Rockhurst University** - www.rockhurst.edu **Saint Louis University** www.imagine.stu.edu **Sanford-Brown College** www.sanford-browncollege.com **Southeast MO State University** www.semo.edu **Southwest Baptist University** www.sbuniv.edu **Truman State Univ** - www.truman.edu **Univ of Central MO** - www.ucmo.edu **University of MO – Columbia** www.missouri.edu **University of MO – Kansas City** www.umkc.edu **Univ of MO – Rolla** – www.umr.edu **Univ of MO – St Louis** - www.umsl.edu **Univ of Phoenix** – www.phoenix.edu **Vatterott College** www.vatterott-college.edu **Washington University** - www.wustl.edu **Webster University** www.websteruniv.edu **Westminster College** www.westminster-mo.edu **William Jewell College** - www.jewell.edu **William Woods University** www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Colorado Technical University** www.coloradotech.com **Grantham University** www.grantham.edu **ITT Technical Institute** www.itt-tech.edu **Kansas City Art Institute** www.kcai.edu **Midwest Institute** www.midwestinstitute.com **Missouri Tech** www.motech.edu **National American University** www.national.edu **Pinnacle Career Institute** www.pcitraining.edu **Texas County Technical Institute** www.texascountytech.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-the-Job Training or Less	**Technical Training or Associate Degree**	**Bachelors Degree**	**Masters Degree or More**
	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

Braymer High School
Law, Public Safety, Corrections & Security
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Business Classes Ag Science I		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☐ *Embedded Credit* ☐ *Communication Arts* ☐ *Mathematics* ☐ *Internship* ☐ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	PE Business Classes Ag Science II Spanish I Personal Finance/Health		**Community Based:** ☐ *Mentorship* ☐ *Volunteer* ☐ *Part-time Employment* ☐ *Other:* _____
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	PE Business Classes Advanced Ag Classes Social Studies Electives Spanish I or II Psychology Sociology		**Assessments/Certifications**: ☐ *Technical Skills Attainment (TSA)* ☐ *Other:* _____ **Placement Assessments:** ☐ *Compass Test* ☒ *ACT* ☐ *PSAT* ☐ *SAT* ☒ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	PE Business Classes Advanced Ag Classes Social Studies Electives Spanish I or II Psychology Sociology		**Student Organizations:** ☐ *DECA* ☒ *FBLA* ☐ *FFA* ☐ *FCCLA* ☐ *SkillsUSA* ☐ *Other:* _____

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

Postsecondary

Community College

Crowder College
www.crowder.edu
East Central College
www.eastcentral.edu
Jefferson College
www.jeffco.edu
Linn State Technical College
www.linnstate.edu
Metropolitan Community College
www.mcckc.edu
Mineral Area College
www.mineralarea.edu
Moberly Area Community College
www.macc.edu
North Central MO College
www.ncmissouri.edu
Ozarks Tech Community College
www.otc.edu
St. Charles Community College
www.stchas.edu
St Louis Community College
www.stlcc.edu
State Fair Community College
www.sfccmo.edu
Three Rivers Community College
www.trcc.edu

Technical School/Training Institution

Cape Girardeau Career/Tech Center
www.cape.k12.mo.us/cc/default.htm
Columbia Career Center
www.career-center.org
Grand River Tech School - www.grts.org
Hillyard Technical Center
www.hillyardtech.com
Rolla Technical Institute
www.rolla.k12.mo.us
Sikeston Career and Technology Center
www.sikeston.k12.mo.us
Waynesville Technical Academy
www.waynesville.k12.mo.us

In State

Avila University - www.avila.edu
College of the Ozarks - www.coto.edu
Columbia College - www.ccis.edu
Drury University - www.drury.edu
Evangel University - www.evangel.edu
Everest College
www.everest-college.com
Hannibal-Lagrange College
www.hlq.edu
Hickey College
www.hickeycollege.edu
Lindenwood Univ - www.lindenwood.edu
Maryville University of St. Louis
www.maryville.edu
MO Southern State University
www.mssu.edu
Missouri State University
www.missouristate.edu
Missouri State University – West Plains
www.wp.missouristate.edu
Missouri Western State University
www.missouriwestern.edu
Park University - www.park.edu
Patricia Stevens College
www.patriciastevenscollege.edu
Rockhurst University
www.rockhurst.edu
Saint Louis Univ - www.imagine.stu.edu
Sanford-Brown College
www.sanford-browncollege.com
Southeast MO State University
www.semo.edu
Southwest Baptist University
www.sbuniv.edu
Univ of Central MO - www.ucmo.edu
University of MO – Columbia
www.missouri.edu
University of MO – Kansas City
www.umkc.edu
Univ of MO – St Louis - www.umsl.edu
Univ of Phoenix – www.phoenix.edu
Vatterott College
www.vatterott-college.edu
Washington University - www.wustl.edu
Webster University -
www.websteruniv.edu
William Woods University
www.williamwoods.edu

Out of State/Other

- Apprenticeship
- Military
- On-the-Job Training

Allied College
www.alliedcollege.du
High Tech Institute
www.hightechinstitute.edu
National American University
www.national.edu
Texas County Technical Institute
www.texascountytech.edu

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

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

Braymer High School
Manufacturing
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Ag Science I Business Classes		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☒ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____ **Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____ **Assessments/Certifications**: ☒ *Technical Skills Attainment (TSA)* ☒ *Other:* *CompTIA A+* **Placement Assessments:** ☐ *Compass Test* ☒ *ACT* ☐ *PSAT* ☐ *SAT* ☒ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____ **Student Organizations:** ☐ *DECA* ☒ *FBLA* ☒ *FFA* ☐ *FCCLA* ☒ *SkillsUSA* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	PE Fine Arts Ag Science II Business Classes Spanish I Personal Finance/Health		
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Advanced Ag Courses Business Classes Spanish I or II	♦Building Trades I ♦Computer Service Technology I ♦Welding Technology I	
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Advanced Ag Courses Business Classes Spanish I or II	♦Building Trades II ♦Computer Service Technology II ♦Welding Technology II	

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

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	♦**North Central Missouri College** www.ncmissouri.edu Ag Program – 9 hrs Carpentry – 30 hrs Technical Computer Service Technology – 30 hrs Welding – 30 hrs Technical ♦**State Fair Community College** www.sfccmo.edu Carpentry – 9 hrs Constructions Methods	**Grand River Technical School** www.grts.org	**Avila University** - www.avila.edu **Baptist Bible College** - www.baptist.edu **Bryan College** - www.bryancollege.ecom **Central Methodist University** www.centralmethodist.edu **College of the Ozarks** - www.coto.edu **Columbia College** - www.ccis.edu **Culver-Stockon College** - www.culver.edu **Drury University** - www.drury.edu **Evangel University** - www.evangel.edu **Everest College** www.everest-college.edu **Fontbonne Univ** - www.fontbonne.edu **Hannibal-Lagrange College** -www.hlq.edu **Harris-Stowe State Univ** - www.hssu.edu **Hickey College** www.hickeycollege.edu **Lincoln University** - www.lincolnu.edu **Lindenwood Univ** - www.lindenwood.edu **Maryville Univ of St. Louis** www.maryville.edu **Messenger College** www.messengercollege.edu **Missouri Baptist Univ** - www.mobap.edu **Missouri College** - www.missouricollege.com **MO Southern State Univ** - www.mssu.edu **Missouri State University** www.missouristate.edu **Missouri State University – West Plains** www.wp.missouristate.edu	**MO University of Science & Technology** www.mst.edu **Missouri Western State University** www.missouriwestern.edu **Northwest Missouri State University** www.nwmissouri.edu **Park University** - www.park.edu **Rockhurst University** - www.rockhurst.edu **Saint Louis University** www.imagine.stu.edu **Sanford-Brown College** www.sanford-browncollege.com **Southeast MO State Univ** - www.semo.edu **Southwest Baptist Univ** -www.sbuniv.edu **Stephens College** - www.stephens.edu **Truman State Univ** - www.truman.edu **Univ of Central MO** - www.ucmo.edu **Univ of MO – Columbia** -www.missouri.edu **Univ of MO – Kansas City** www.umkc.edu **Univ of MO – St Louis** - www.umsl.edu **University of Phoenix** - www.phoenix.edu **Vatterott College** -www.vatterott-college.edu **Washington University** - www.wustl.edu **Webster University** - www.websteruniv.edu **Westminster College** www.westminster-mo.edu **William Jewell College** - www.jewell.edu **William Woods** University www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Ironworkers Union Apprenticeship Program of KC –** www.ironworkers10.com **Carpenter's Union Apprenticeship Program of KC –** www.carpenterstraining-kc.com **Colorado Technical University** www.coloradotech.com **DeVry University** www.drury.edu **Foley-Belsaw Institute** www.foley-belsaw.com **Grantham University** www.grantham.edu **ITT Technical Institute** www.itt-tech.edu **National American University** www.national.edu **Texas County Technical Institute** www.texascountytech.edu

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

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

Braymer High School
Marketing
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	9	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Business Classes		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☐ *Job Shadowing* ☐ *Service Learning Project* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	Fine Arts Business Classes Spanish I Personal Finance/Health		**Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other:* _____
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Fine Arts Business Classes Spanish I or II Mass Media	Business Technology I	**Assessments/Certifications**: ☒ *Technical Skills Attainment (TSA)* ☐ *Other:* _____ **Placement Assessments:** ☐ *Compass Test* ☒ *ACT* ☐ *PSAT* ☐ *SAT* ☒ *ASVAB* ☐ *WorkKeys* ☐ *Other:* _____
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Fine Arts Business Classes Spanish I or II Mass Media	Business Technology II	**Student Organizations:** ☐ *DECA* ☒ *FBLA* ☐ *FFA* ☐ *FCCLA* ☐ *SkillsUSA* ☐ *Other:* _____

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org				
	Community College	**Technical School/Training Institution**	**In State**	**Out of State/Other**
Postsecondary	**♦Metropolitan Community College** www.mcckc.edu Accounting I&II – 3 hrs Accounting I Entrepreneurship – 3 hrs Bus Essentials Microcomputer Apps – 3 hrs Microcomputer Apps I **✷ North Central Missouri College** www.ncmissouri.edu **♦State Fair Community College** www.sfccmo.edu Microcomputer Apps – 3 hrs Microcomputer Apps I	**Grand River Technical School** www.grts.org	**Avila University** - www.avila.edu **Baptist Bible College** - www.baptist.edu **Bryan College** - www.bryancollege.com **Central Methodist University** www.centralmethodist.edu **College of the Ozarks** - www.coto.edu **Columbia College** - www.ccis.edu **Culver-Stockon College** www.culver.edu **DeVry University** – www.devry.edu **Drury University** - www.drury.edu **Evangel University** - www.evangel.edu **Everest College** www.everest-college.com **Fontbonne Univ** - www.fontbonne.edu **Hannibal-Lagrange College** www.hlg.edu **Harris-Stowe State Univ** - www.hssu.edu **Lincoln University** - www.lincolnu.edu **Lindenwood Univ** - www.lindenwood.edu **Maryville University of St. Louis** www.maryville.edu **Messenger College** www.messengercollege.edu **Missouri Baptist Univ** - www.mobap.edu **Missouri College** www.missouricollege.com **MO Southern State University** www.mssu.edu **Missouri State University** www.missouristate.edu **Missouri State University – West Plains** www.wp.missouristate.edu **Missouri Valley College** www.moval.edu	**Missouri Western State University** www.missouriwestern.edu **Northwest Missouri State University** www.nwmissouri.edu **Park University** - www.park.edu **Patricia Stevens College** www.patriciastevenscollege.edu **Rockhurst University** - www.rockhurst.edu **Saint Louis University** www.imagine.stu.edu **Sanford-Brown College** www.sanford-browncollege.com **Southeast MO State Univ** -www.semo.edu **Southwest Baptist Univ** -www.sbuniv.edu **Stephens College** - www.stephens.edu **Truman State Univ** - www.truman.edu **Univ of Central MO** - www.ucmo.edu **Univ of MO – Columbia** -www.missouri.edu **Univ of MO – Kansas City** www.umkc.edu **Univ of MO – Rolla** – www.umr.edu **Univ of MO – St Louis** - www.umsl.edu **Univ of Phoenix** – www.phoenix.edu **Vatterott College** www.vatterott-college.edu **Washington University** - www.wustl.edu **Webster University** - www.websteruniv.edu **Westminster College** www.westminster-mo.edu **William Jewell College** - www.jewell.edu **William Woods University** www.williamwoods.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Colorado Technical University** www.coloradotech.com **Grantham University** www.grantham.edu **ITT Technical Institute** www.itt-tech.edu **National American University** www.national.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-the-Job Training or Less	**Technical Training or Associate Degree**	**Bachelors Degree**	**Masters Degree or More**
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

Braymer High School
Science, Technology, Engineering & Mathematics
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
Secondary	**9**	English I	Algebra A Algebra I	Physical Science	American History	PE Fine Arts Ag Science I Business Class Computer Science Essentials		**School-Based:** ☐ *Career Research* ☐ *Cooperative Education* ☒ *Embedded Credit* ☒ *Communication Arts* ☒ *Mathematics* ☐ *Internship* ☒ *Job Shadowing* ☐ *Service Learning Project* ☒ *Other: Clinicals* **Community Based:** ☒ *Mentorship* ☒ *Volunteer* ☒ *Part-time Employment* ☐ *Other: _____* **Assessments/Certifications:** ☒ *Technical Skills Attainment (TSA)* ☒ *Other:* *CompTIA A+* *Certified Nurse Assistant (CNA)* **Placement Assessments:** ☐ *Compass Test* ☒ *ACT* ☐ *PSAT* ☐ *SAT* ☒ *ASVAB* ☐ *WorkKeys* ☐ *Other: _____* **Student Organizations:** ☐ *DECA* ☐ *FBLA* ☒ *FFA* ☐ *FCCLA* ☒ *SkillsUSA* ☐ *Other:* _____
	10	English II	Algebra B Algebra II	Biology	World History	Ag Science II Business Classes Computer Science Spanish I Personal Finance/Health		
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Advanced Ag Courses Business Classes Computer Science Spanish I or II Math Electives Science Electives PLTW	♦Auto Service Technology I ♦Building Trades I ♦Collision Technology I ♦Computer Service Technology I ♦Health Services Technology I ♦Welding Technology I PLTW	
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Advanced Ag Courses Business Classes Computer Science Spanish I or II Math Electives Science Electives PLTW	♦Auto Service Technology II ♦Building Trades II ♦Collision Technology II ♦Computer Service Technology II ♦Health Services Technology II ♦Welding Technology II PLTW	

Postsecondary Offerings – For A Complete Listing, go to www.missouriconnections.org				
Postsecondary	**Community College**	**Technical School/Training Institution**	**In State**	**Out of State/Other**
	♦**Linn State Technical College** **www.linnstate.edu** Auto Service Technology – 18 hrs ♦**Metropolitan Community College – Long View - www.mcckc.edu** Auto Collision – 26 hrs Technical Automotive Service – 10 hrs Technical ♦**North Central Missouri College** **www.ncmissouri.edu** Ag Programs – 9 hrs Auto Collision – 30 hrs Technical Automotive Service – 30 hrs Technical Carpentry – 30 hrs Technical Computer Service Technology – 30 hrs Health Services plus pass of CNA exam – 3 hrs Foundations in Nursing Welding – 30 hrs Technical ♦**State Fair Community College** **www.sfccmo.edu** Carpentry – 9 hrs Constructions Methods	**Grand River Technical School** **www.grts.org**	**Avila University - www.avila.edu** **Central Methodist University** **www.centralmethodist.edu** **College of the Ozarks - www.coto.edu** **Columbia College - www.ccis.edu** **Culver-Stockon College** **www.culver.edu** **Drury University -** www.drury.edu **Evangel University - www.evangel.edu** **Lincoln University -** www.lincolnu.edu **Lindenwood Univ - www.lindenwood.edu** **Maryville University of St. Louis** **www.maryville.edu** **Missouri Baptist Univ - www.mobap.edu** **MO Southern State University** **www.mssu.edu** **Missouri State University** **www.missouristate.edu** **MO University of Science & Technology** www.mst.edu **Missouri Western State University** **www.missouriwestern.edu** **Northwest Missouri State University** **www.nwmissouri.edu** **Park University - www.park.edu** **Rockhurst University** **www.rockhurst.edu** **Saint Louis University** **www.imagine.stu.edu** **Southeast MO State University** **www.semo.edu** **Southwest Baptist University** **www.sbuniv.edu** **Truman State Univ - www.truman.edu** **Univ of Central MO - www.ucmo.edu** **University of MO – Columbia** www.missouri.edu **University of MO – Kansas City** **www.umkc.edu** **Univ of MO – Rolla – www.umr.edu** **Univ of MO – St Louis - www.umsl.edu** **Washington University -** www.wustl.edu **Westminster College** www.westminster-mo.edu **William Jewell College -** www.jewell.edu	• **Apprenticeship** • **Military** • **On-the-Job Training** **Ironworkers Union Apprenticeship Program of KC – www.ironworkers10.com** **Carpenter's Union Apprenticeship Program of KC – www.carpenterstraining-kc.com** **Grantham University** www.grantham.edu

Sample Careers By Educational Level – For Occupational Specialties, go to www.careerclusters.org or www.missouriconnections.org			
On-the-Job Training or Less	**Technical Training or Associate Degree**	**Bachelors Degree**	**Masters Degree or More**
	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

Braymer High School
Transportation, Distribution & Logistics
Career Cluster Program of Study Template
www.braymerbobcats.org

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

	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Grand River Technical School	Additional Learning Opportunities
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	10	English II	Algebra B Algebra II	Biology	World History	Ag Science II Business Classes Personal Finance/Health		
	11	English III	Algebra II Geometry College Algebra DC Applied Math	Biology II Chemistry Anatomy/Physiology Forensic Science Adv Ag Classes	American Government	Advanced Ag Course Business Classes Technology Courses	♦Auto Service Technology I ♦Building Trades I ♦Collision Technology I ♦Computer Service Technology I ♦Health Services Technology I ♦Welding Technology I	
	12	Senior English College English DC	Geometry College Algebra DC Statistics DC Applied Math	Biology II Chemistry Anatomy/Physiology Environmental Sci Adv Ag Classes	US History I/II DC Psych/Geography	Advanced Ag Course Business Classes Technology Courses	♦Auto Service Technology II ♦Building Trades II ♦Collision Technology II ♦Computer Service Technology II ♦Health Services Technology II ♦Welding Technology II	

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

ENGLISH

(4 Units Required for a High school Diploma)

English I:

Grade: 9

This course is the required English class for 9th grade students. English I develops student skills in English Language Arts. This course promotes rigorous study in the areas of reading, writing, speaking, listening, and critical thinking. Skills and concepts taught in this course will help students use language purposefully as they comprehend, effectively analyze, discuss, and evaluate literary and informational texts.

English II:

Grade: 10

Prerequisite: English I

This course is the required English class for 10th grade students. This year-long course integrates the study of literature with the writing process. Students will develop techniques for literary analysis, demonstrate attendant critical thinking skills, research specified topics using a variety of resources, and provide documentation consistent with MLA manuscript format. The Missouri End of Course examination is required for graduation.
Note: At the conclusion of the course students will take the Missouri English II End of Course Exam.

English III:

Grade: 11

Prerequisite: English II

This required year-long course focuses on further developing reading, writing, speaking, listening, and thinking skills. Students will further develop techniques for literary analysis and research. They will read, analyze, and respond in writing to various literary genres, review usage and mechanics, and continue to develop vocabulary. Students will also continue to research specified topics using a variety of resources and provide documentation consistent with MLA manuscript format.

Applied Communications:

Grade: 12

Because careers demand a variety of communication skills, this year-long course emphasizes the development of effective speaking, reading, writing, and listening skills to help students succeed in home, social, and business environments. In written communication, practice is provided for developing proficiency in the use of capitalization, punctuation, abbreviation, vocabulary, and grammar. Application of these skills is stressed in letter, memo, and report writing. Brief oral reports are given by the students to improve their speaking and listening competencies. Students will explore English in literary form as well as in technical forms. Communication skills will also be used to prepare students for the work world in the 21st century. During this course, students will learn to adapt communication to specific audiences, recognize and interpret body language correctly, work in group settings, and listen to others. Emphasis is placed on practical applications of English including workplace writing and reading skills, effective workplace communication, and etiquette. These communication skills will be applied to various occupational areas.

College Composition (EN 130 - Rhetoric and Composition):

Dual Credit: Missouri Valley College - 3 hours

Grade: 12

Prerequisite: 3.0 unweighted GPA and C or better in English III.

A semester-long introduction to college writing and the basic forms of the essay, College Composition (EN 130) teaches students to read and think critically, to write logical, well-developed academic essays; to write in a variety of rhetorical situations; and to develop information literacy skills. Students will write Summary-Response, Rhetorical Analysis, and Researched Analysis essays using MLA style.

College Research (EN 160 – Literature and Composition):

Dual Credit: Missouri Valley College - 3 hours
Grade: 12
Prerequisite: 3.0 unweighted GPA and C or better in EN 130
A continued emphasis upon the principles of expository writing and research established in College Composition (EN 130). During this semester-long course, students will utilize the process method to draft and revise well-developed essays. Students will develop skills for synthesizing primary and secondary texts in research papers, a close reading/explication and/or an annotated bibliography according to MLA standards. In doing so, students will examine the basic genre elements of various literature with selected works used as the basis for discussions, lectures, and student writing.

FOREIGN LANGUAGE

Two credits of a foreign language are required for Freshman enrollment at the University of Missouri and Truman State University and possibly others. Most universities highly recommend two credits of a foreign language. Please check with the guidance office or the college of interest for specific requirements.

Spanish I:

Grade: 10-12

Students in Spanish I will begin to learn the basics of the Spanish language through reading, writing, listening, and speaking. They will also be exposed to various aspects of the Hispanic culture.

Spanish II:

Grade: 11-12

Students in Spanish II will build on previous knowledge of vocabulary, grammar, and Hispanic culture. They will explore this culture through class activities and individual projects.

MATHEMATICS

(3 Units Required for a High School Diploma)

Algebra A/Algebra B (1 credit each):

Grade: 9-10

Prerequisite: 8th Math

The Algebra A/Algebra B combination is a two-year course sequence designed to cover all topics in the traditional one-year Algebra I course. The two-year pacing allows time for necessary prerequisite skill review and more in-depth coverage and practice of required Algebra concepts. Algebra A is a yearlong course, which covers the first half of standard Algebra 1 material. Topics studied include: introduction to the language of Algebra, properties of real numbers, solving linear equations, graphing linear equations, writing linear equations, and the study of linear inequalities. Algebra B is also a yearlong course and covers the second half of standard Algebra 1 material. Topics studied include: systems of linear equations and inequalities, exponents and exponential functions, quadratic equations, polynomial operations and factoring, rational equations, and radicals. Students must complete both courses to meet the Algebra 1 graduation requirement.

Note: At the conclusion of the Algebra B course students will take the Missouri Algebra I End of Course Exam.

Algebra I:

Grade: 9-12

Prerequisite: Math 8 with a grade of "C" or better and an Advanced or Proficient score on the 8th grade MAP

Algebra I formalizes and extends the mathematics students learned in previous courses. Five critical areas comprise Algebra I: Relations and Functions; Linear Equations and Inequalities; Quadratic and Nonlinear Equations; Systems of Equations and Inequalities; and Polynomial Expressions. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions.

Note: At the conclusion of the course students will take the Missouri Algebra I End of Course Exam.

Algebra II:

Grade: 10-12

Prerequisite: Algebra I with a grade of "C" or better

Algebra II builds on work with linear, quadratic, and exponential functions and allows for students to extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

Students will develop rigorous problem-solving skills, logical reasoning, and mathematical communication skills required success in higher math courses and real-life experiences.

Geometry:

Grade: 10-12

Prerequisite: Algebra I or Algebra A/Algebra B

The main focus of Geometry is on plane and solid figures and their properties. Major emphasis is on triangle and circle properties and relationships. Coordinate graphing, slope, and linear equations are also presented. Throughout this course, the student will: Develop proficiency in using geometry to solve problems in everyday

life; Expand his/her understanding of mathematical concepts; Improve his/her logical thinking skills; Gain an understanding of geometry as a study of the mathematical relationships of objects in the world around us.

Applied Math:

Grade: 11-12

This course is a junior/senior level course designed to prepare students to pass future employment tests or to increase skills needed for college. Students will review fractions, decimals, percents, measurement, money, and formulas. All units will focus on teaching students how to reason, problem solve, and apply math skills in vocational programs and the everyday workplace.

College Algebra (MA165 – College Algebra):

Dual Credit: Missouri Valley College - 3 credit hours

Grade: 11-12

Prerequisite: 3.0 unweighted GPA and Algebra II with a grade of "C" or better
OR an ACT Math score of at least a 22

For students who have completed Algebra II, but desire more extensive work in algebra. Topics include: introduction to the Cartesian Coordinate System; graphing of equations, functions and their graphs, including linear, quadratic, polynomial, and rational functions; systems of equations and inequalities; matrices and determinants; introduction to logarithms; and applications of these topics. In addition to high school credit, students enrolled in this course will earn 3 credit hours of college credit through Missouri Valley College (providing they have paid for the course).

College Statistics (MA200 – Introduction to Statistics):

Dual Credit: Missouri Valley College - 3 credit hours

Grade: 11-12

Prerequisite: 3.0 unweighted GPA and College Algebra with a grade of "C" or better

An introduction to the basic principles of statistics. Major topics include graphic, numeric, and algebraic summaries of data (graphs, measures of central tendency and spread, correlation and regression); elementary principles of sampling and experimental design; elementary probability; normal distributions and the central limit theorem; confidence intervals; and tests of significance. Focus on analysis of data using appropriate statistical techniques and software. In addition to high school credit, students enrolled in this course will earn 3 credit hours of college credit through Missouri Valley College (providing they have paid for the course)

SCIENCE

(3 Units Required for a High School Diploma)

Physical Science:

Grade: 9

This course will study the basic concepts of chemistry (matter), and physics (energy) and their interactions. Biology concepts, including water properties, will be incorporated as practical examples related to major topics of study. The students will experience many activities and labs which require critical thinking and problem solving skills. Major course topics include: 1) Measurement, graphing, scientific method, lab skills, 2) Basic atomic structure, states of matter, physical and chemical changes, 3) Forms of energy including methods of transferring and transforming energy with a focus on heat. 4) Ecology.

Note: This course is a prerequisite for all other science courses.

Biology:

Grade: 10

Prerequisite: Successful Completion of Physical Science

This required course is the designated course for all sophomore students. It is the introductory study of life science at the high school level. The major course topics are: interactions among organisms and their environment; cell structure, function, and processes; and genetics and heredity. Basic scientific processes such as experimental design, measurement, graphing, microscopy, and critical thinking will be incorporated. Class events will include activities, demonstrations, note-taking labs, reading and writing assignments, etc.

Note: At the conclusion of the course students will take the Missouri Biology End of Course Exam.

Chemistry:

Grade: 11-12

Prerequisite: Algebra II

Chemistry is a basic course about the various chemical principles and ideas. The students will become familiar with the periodic table, chemical formula operations and basic chemical laboratory techniques. Emphasis is placed on identification of characteristics and principles concerning various chemicals. Students will work toward understanding chemistry as it relates to the modern world.

Anatomy & Physiology:

Grade: 11-12

Prerequisite: Biology

This course offers the student a more detailed explanation of the human body functions. The student, upon completion of this course, will identify and explain the systems of the body; with emphasis on basic structures and body specializations. This course is ideal for college bound students and those pursuing careers in medicine, health services, sports medicine or physical therapy.

Forensic Science:

Grade: 11-12

Forensic Science is the application of science (chemistry, physics, and biology) to the criminal and civil laws that are enforced by police agencies in a criminal justice system. It includes the investigation of fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, poisons, drugs, blood spatters, and blood samples. Students are taught the proper collection, preservation, and laboratory analysis of various samples. Whether students desire to be crime scene investigator, forensic pathologist, or some other medical scientist, this course will help them hone their investigative skills and review a wide range of science concepts.

***Upon completion of Ag Science I and II in addition to one of the following classes: Animal Science, Crop Science, Ag Mechanics or Food Science & Technology, students will meet the criteria for one general science requirement. However, this will not replace Physical Science or Biology.**

SOCIAL STUDIES

(3 Units Required for a High School Diploma)

American History:

Grade: 9

American History is a study of United States history after the Civil War era. Topics include industrialization, immigration, the Great Depression, the major American wars, the Cold War, and social conflict. Students will analyze significant political, socioeconomic, and cultural developments in American history since the Civil War.

World History:

Grade: 10

Throughout this course we will study ancient civilizations from the Romans, Egyptians, and Greeks to 21st Century world powers like Germany and Russia. We will focus on the movement of people and their civilization's contributions to the history of the world.

American Government:

Grade: 11-12

In this required, year-long course, students are provided an overview of government through the study of the U.S. Constitution. The structure – executive, legislative and judicial branches – and the relationships between the national, state, county and city governments are studied in depth. Topics covered include federal and states' rights, the role and function of political parties, the growth of government, the philosophy of the democratic process, and the obligations of citizens. Students must pass the Missouri and United States Constitution tests during this class. The Missouri End of Course examination is required for graduation.

Note: During this course, students will take the United States Constitution and Missouri Constitution tests that all Missouri high school students must pass prior to graduation. Additionally, at the conclusion of the American Government course students will take the Missouri Government End of Course Exam.

Psychology:

Grade: 11-12

Psychology is designed to teach students about the human mind. In psychology students will learn about brain development, memory retrieval, stages of sleep, motivation, stress, personality, and psychological disorders.

Geography:

Grade: 11-12

Geography is the study of regions, people, places, and environments of the world. Students will learn the physical, political, and cultural geography of Africa, Asia, Europe, Oceania, North and South America. They will also learn about the methods and tools geographers use in their science and practice.

MO History: This course is an in-depth exploration of the people, places, and events that have shaped the state of Missouri from its earliest Indigenous inhabitants to the modern day. Students investigate how geography, politics, culture, and economics come together to make Missouri a historically significant and complex state in the story of the United States. Students also examine Missouri's indigenous nations, early French and Spanish settlements and the territorial struggles that led to statehood in 1821. Special attention is given to the Missouri Compromise, slavery and emancipation, the violent divisions of the Civil War, and the state's Reconstruction period. The course then follows Missouri's evolution through the 20th century including industrialization, the Great Depression, and both World Wars. By the end of the course, students will not only understand key historical developments in Missouri but will also recognize how local history connects to national and global movements.

Economics: This course is a comprehensive introduction to the principles of economics. It helps prepare students to understand and engage with financial, political, and social systems that shape both their personal lives and the broader world. The course begins with the foundations of economic thinking including concepts like scarcity, opportunity costs, supply and demand, and the role of incentives. Students then investigate microeconomics and analyze how markets function, how prices are determined, and how competition, innovation, and government regulation influence production and consumption. In macroeconomics, the focus shifts to the big picture with the study of national income, inflation, unemployment, fiscal and monetary policy, and the global flow of trade and finance. Students will connect these ideas to current events and policy debates, gaining insight into how economic forces impact everything from college costs to global crises.

PHYSICAL EDUCATION

(1 Unit Required for a High School Diploma)
(1/2 Unit of Health is Required for a High School Diploma)

Physical Education/Freshman PE:

Grade: 9-12
Students will develop a variety of skills necessary for competency in teamwork, rules, safety, and how to participate in an activity. Students will acquire an awareness of healthy and safe lifestyles and develop a healthy attitude toward competition. Health and safety will be an integral part of each class.

Body Conditioning:

Grade: 10-12
This course is designed for individuals with all levels of experience in physical training. It will emphasize development of muscular strength, endurance and cardio fitness. Each student will have the opportunity to set goals based on their own interests and desires for the class. Students will develop their own workout routine with their specific goals in mind. The instructor will facilitate the development of that routine and will help the student chart their progress.

Weightlifting:

Grade: 10-12

The emphasis in this course is on muscular strength, endurance, flexibility, and safety. The core lifts in this course include parallel squats, cleans, and bench press. Weight room safety, warm-up/cool down procedures, lifting technique and safety for all lifts, major muscle identification, and individual goal setting are all important components in this course.

Health:

Grade: 10-12

Health is a semester course that will guide students through the many dimensions of wellness. Students will develop skills needed in confronting difficult situations; understand health prevention and promotion techniques that will establish a solid personal health education; and become health literate in making positive and healthy decisions. This course must be passed in order for a student to earn a high school diploma.

FINE ARTS DEPARTMENT

(1 Unit Required for a High School Diploma)

Fine Arts requirements may be met by taking courses in Art, Band and Music.

ART DEPARTMENT

Art I & Art II:

Grade: 9-12

The Art I and Art II curriculum will provide the student with a better understanding of his/her relation with the surrounding visual world. Students will learn aesthetic value, artistic critique, and the historical progression of the Visual Arts. Through authentic instruction, these disciplines will be integrated into a program that will include a strong emphasis on creative expression. This will result in a more comprehensive understanding of self and other perspectives through art.

2D & 3D Art:

Grade: 10-12

Prerequisite: Art I

The 2D and 3D Art curriculum will provide the student with a better understanding of his/ her relation with the surrounding visual world. Students will learn the Elements and Principles of Design, artistic critique, and the historical progression of the Visual Arts. Through authentic instruction, these disciplines will be integrated into a program that will include a strong emphasis on creative expression. This will result in a more comprehensive understanding of self and other perspectives through art.

MUSIC DEPARTMENT

High School Choir:

Grade: 9-12

Students in High School Choir will continue to build on previously learned musical concepts such as correct vocal sound production, intonation, and diction. These will be developed through singing varied styles of choral music in 3-4 parts. They will sing more advanced literature in various performance settings. Ensemble development will be emphasized in rehearsal and performance. All performances are mandatory.

High School Band:

Grade: 9-12

High School Band is a yearlong course open to any student (grades 9-12). Students will participate in pep band, marching band and concert band performances. A wide variety of music for winds and percussion will be studied and performed throughout the year. In addition, students will have individual opportunities to participate in optional events like solo and ensemble festival and honor groups throughout the year. Attending all full band performances is a course requirement.

Music Appreciation:

Grade: 10-12

Music Appreciation is a one semester course that will introduce students to the fundamentals of creating, enjoying and listening to music. Students will learn the basics of creating music– melody, harmony and rhythm. Students will also explore instrumental and vocal timbre and will critique musical performances.

PRACTICAL ARTS

(1 Unit Required for a High School Diploma)

Practical Arts requirements may be met by taking courses in Agriculture, Business, Technology and Engineering and Vocational Technical Classes.

AGRICULTURE DEPARTMENT

Ag Science I:

Grade: 9

This course is designed as an introduction to general agriculture. Units of instruction include introduction to agriculture; general animal science, breeding and nutrition, record keeping, and introduction to woodworking. Instruction in leadership (FFA) and Supervised Agricultural Experience Program development, and exposure to over 200 career opportunities will be provided. This course serves as a prerequisite for many of the upper level courses.

Agriculture Science II:

Grade: 10

Prerequisite: Ag Science I

This class is the second step for Ag Students who wish to take upper level courses. Students have the opportunity to study many areas briefly before taking upper level courses as a junior and senior. These courses are Welding, Conservation, Soils, Plant Science, and Food Science. Along with these hands-on units, students are able to prepare for advancement in FFA and gain important career skills through units in leadership, career and personal development, SAE, and resume building

Food Science and Technology:

Grade: 11-12

Prerequisite: Ag Science I & II

In this class students will study the areas of food chemistry and nutrition, food additives, food packaging and labeling, evaluation of foods, food microbiology, food processing, food fermentation, principles of sanitation and quality control. If you're interested in the science of food, this class is for you! Become an informed consumer and learn about Food Science and Technology!

Ag Mechanics:

Grade: 11-12

Prerequisite: Ag Science I & II

This course introduces students to carpentry, concrete, electrical wiring, plumbing, welding, oxy-acetylene torch processes, and small project construction. It contains short units to develop skills to repair or build farm projects, and is a good supplement to gain skills that can be transferred to many careers within the Agricultural Mechanics Career Pathway. Students will have the opportunity to construct projects for themselves and/or community members.

Ag Leadership I and Ag Leadership II:

Grade: 11-12

Prerequisite: Ag Science I & II

This course gives students the chance to reflect on and hone their personal leadership skills. They will analyze their current leadership attributes and develop their skills to become a more effective leader and a high performing team member. The course will specifically teach the students skills in verbal, written and visual communication, parliamentary procedure, and motivation factors. Students will use skills learned to compete in Leadership Development Events and in leading the Braymer FFA Chapter.

BUSINESS DEPARTMENT

(1/2 Unit of Personal Finance is Required for a High School Diploma)

Multimedia:

Grade: 10-12

This course is designed to introduce students to various multimedia software and applications. Students will learn to manipulate text, art and graphics, photography, animation, audio, and video presentations in various media formats. Students will also have the opportunity to develop independent projects using multimedia. We will also explore various careers of interest to the student in this course.

Personal Finance:

Grade: 10-12

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

Introduction to Business:

Grade: 10-12

In this class students will learn an overview of the business world. Some of the topics we will cover are employment skills, accounting, Microsoft Office programs, marketing and management. Some things the students will learn are how to write in a professional manner (email, letter, memo), appropriately apply for a job, conduct an interview, and will be challenged with a mock interview.

Entrepreneurship:

Grade: 11-12

In this class students will learn real-life business skills, operations and productions. Students will help with the production, marketing, and management of a small t-shirt business from within the classroom. They will also be challenged with creating their own business plan for a business of their choosing. Students will work in groups, having to use teamwork and good communication skills to make accurate decisions and work through disagreements within their group. The team will then have to present their business to a group of potential investors to sell their idea.

TECHNOLOGY & ENGINEERING

PLTW Computer Science Essentials:

Grade: 9-12

Computer Science Essentials (CSE) is designed to be a full-year course implemented in the 9th grade (as the first part of PLTW Computer Science Pathway). The course may be completed by students in grades 10-12 as well. This course exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice.

AP PLTW Computer Science Principles:

Grade: 10-12 (Weighted)

In Computer Science Principles, students develop the in-demand computer science skills critical to thrive in any of today's and tomorrow's careers. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. It aims to build students' awareness of the tremendous demand for computer scientists and those who have computational thinking skills, and engages students to consider issues raised by the impact of computing on society. Each unit also focuses on one or more computer science-specific career paths.

Computer Science Principles provides students with a broad exposure to the many aspects of computer science while encouraging creativity, socially responsible choices, and ethical behavior. It inspires algorithmic and computational thinking, helping students see themselves in a career path they might not have initially chosen.

Students who take PLTW CSP will be able to take the AP CSP exam for college credit. More information about the Computer Science Principles Advanced Placement test can be found at https://apcentral.collegeboard.org/courses/ap-computer-science-principles/course.

Note: At the conclusion of the Computer Science Principles course students will take the Project Lead the Way Computer Science Principles End of Course Exam.

ELECTIVES

Mass Media I (Yearbook):

Grade: 11-12

Students in the Mass Media (yearbook) class are historians, journalists and artists of the OM REMYARB yearbook. You will be producing a photojournalistic book that will be read for many, many years. This is a very special class and comes with it a lot of responsibility. It is not only about you, but it is about every student, every staff member and community member in Braymer. Students must have an interest in our school (school pride) and our community. This is not only a class but also an extracurricular activity. You will be required to work outside of the classroom. This includes but not limited to being present at school activities and sporting events, conducting interviews and selling business ads. You will have deadlines to meet and at the end of the school year you will have produced a history book of Braymer C-4 School. This is a very rewarding class that requires a lot of hard work and dedication. Thank you for committing to this huge responsibility that you will be proud of for years to come.

Mass Media II (Yearbook):

Grade: 12

For those students who have satisfactorily completed Mass Media I and desire to assume more responsibility. This class is an elective and does not fulfill an English requirement.

Cadet Teaching:

Grade: 12

Prerequisite: Counselor and Teacher Approval

Cadet Teaching is offered to senior students who have an interest in pursuing a degree in teaching or are wanting to gain tutoring hours to use toward their A+ status. Students will assist and observe cooperating teachers within the school. The program requires that the student be responsible, dependable, and maintain good work ethic. The student will share in the work of the cooperating teacher and perform a variety of teaching-related/tutoring tasks under the direction of a certified teacher.

Study Hall/Intervention:

Grade: 11-12

Study hall/Intervention may be available to some students pending teacher recommendations and approval by administration. Consideration will be based on the difficulty of a student's schedule, student academic ability, and past work habits observed by teachers in the classroom. Study Hall is a no credit course.

GRAND RIVER TECHNICAL SCHOOL

(All GRTS Classes Count as Practical Arts or Electives)

General Information

The Grand River Technical School is conducted by the Chillicothe Public School in cooperation with the neighboring school districts to provide quality career and technical education to the youth in the area. Students enrolled in a career or technical education program at Grand River Technical School continue to spend the major part of their school day in their hometown school, but go to Grand River Technical School for their career and technical education courses only.

Enrollment

Any student of the cooperating school districts may apply for enrollment in any of the career and technical education courses as long as the student meets the enrollment criteria. Students planning to enroll in any of the career and technical education courses should indicate their intent in their Personal Plan of Study and should visit with their counselor as soon as possible. All students who want to attend Grand River Technical School may not be able to. Students requesting enrollment for a program at Grand River Technical School will be evaluated on the criteria listed below. Each student's request for enrollment will be scored and compared against the other students requesting the same program. Grand River Technical School believes the areas below are essential for success, and beneficial when applying for post-secondary training and education or when seeking employment:

1. Attendance
2. Discipline
3. Academic Performance
4. Completion of Application per Instructions
5. Application Received on Time

The enrollment is limited; therefore, the selection process is competitive.

What About High School Credit and Grades?

Each career and technical education course carries from one to three units of high school credit. This credit is granted through the home school and will count toward graduation from the home school. Grades are sent from Grand River Technical School to the home school and are recorded on permanent cumulative school records.

Credit Waiver

Pending approval by administration, students may waive a core credit at the completion of a two-year career and technical program

- The waiver credit is based on need.
- See your high school counselor or Technical School counselor for details.

Career Skills

All Technical School students attending a one- or two-year program will receive training in soft skills (resume writing, interviewing techniques, and professionalism). This training is part of all Technical School programs curriculum and is very important for securing employment after high school.

Embedded Credit

One Communication Arts credit and one Math credit is available through Grand River Technical School based on the need of the student and the school they attend. See your Technical School counselor for details.

All GRTS programs are for juniors and seniors and have a prerequisite of submitting an application their sophomore year and acceptance in the program.

Industrial and Engineering Technology

AUTO SERVICE TECHNOLOGY:

This course meets for 3 hours a day and is a two-year program. Job opportunities are expected to grow at an above average rate for individuals who are trained in the auto service area. They can expect to find employment in a variety of areas such as: Auto and Truck Technician, Auto Parts Specialist, Automotive Engineer, Tune-up Technician, Automatic Transmission Specialist, Air Conditioning Technician, Front End Specialist, Car Salesperson, Service Manager, Brake Specialist, Shop Foreman. Helpful high school subjects are: Drafting, Algebra Concepts, English III AC, English IV AC, Tech & Industrial Math I/II, Keyboarding, and Microcomputer Applications. Students completing the auto service technology program with a grade of "C" or above, and at least 90% attendance, will receive 30 free college credit hours at North Central Missouri College. Students completing the auto service technology program with a "B" or above, and at least 90% attendance, may receive 16 free college credit hours at Linn State Technical College in Linn.

COMPUTER SERVICE TECHNOLOGY:

This course meets for 3 hours a day and is a two-year program. The course goal and objective is to prepare a student for a career in the information technology industry. Students will have the opportunity to earn industry recognized certifications such as CompTIA A+ Certification, TestOut PC Pro Certification and TestOut Network Pro Certification. Individuals trained in computer/networking technologies should experience very good job opportunities and enjoy a challenging, yet rewarding career in one of the following areas: IT Field Technician, Computer Security Specialist, Technical Support Specialist, Computer Technician, Network/System Administrator, and Home Entertainment Equipment. Students completing the computer service technology program with a grade of "C" or above, and at least 90% attendance, will receive 30 free college credit hours at North Central Missouri College.

COLLISION TECHNOLOGY:

This course meets 3 hours a day and is a two-year program. Employment for automotive body technicians is expected to increase in the future. Those trained in this field may find employment in a variety of occupations including: Auto Body Electronics, Body Repair Person, Combination Body Repair & Paint, Frame & Structural Repair, Auto Body Mechanic, Supplies & Equipment Sales, Insurance Adjuster, Shop Foreman, Spray Painter, Estimator, Auto Restoration Technician, and Airbag Service Technician. Helpful high school subjects are: Metal Processing, Welding, Drafting, English III AC, English IV AC, Tech & Industrial I/II. Students completing the collision technology program with a grade of "C" or above, and at least 90% attendance, will receive 30 free college credit hours at North Central Missouri College. Students completing the collisions technology program with 90% attendance and who have mastered 70% of course competencies, receive 26 free college credit hours at Longview Community College in Lee's Summit.

BUILDING TRADES:

This course meets for 3 hours a day and is a two-year program. Opportunities in the construction business are expected to remain stable as there will always be new buildings going up or individuals remodeling existing structures. Students in the building trades program build a house each year. The skills students learn prepare them for employment in a variety of areas such as: Rough Carpentry, Finish Carpentry, Painting and Finishing, Building Technology, Plumber, General Repair and Remodeling, Construction Supervisor, Insurance Adjuster, Building Supplies & Sales, Concrete, Dry Wall, Roofing, Cabinetmaking, Electrician, Architect and Commercial Construction. Helpful high school subjects are: Architectural Drawing, Drafting, Accounting, Keyboarding, Microcomputer Applications, English III AC, English IV AC, and Tech & Industrial Math I/II. Students completing the building trades program with a grade of "C" or above and at least 90% attendance, may receive 30 free college credit hours at North Central Missouri College in Trenton or they may receive 6 credit hours at State Fair Community College. Those students maintaining 95% attendance and a "B" average, may apply for the carpentry apprenticeship program with the Carpenters Union in Kansas City.

INDUSTRIAL WELDING:

This course meets 3 hours a day and is a two-year program. Students who train in welding find employment in a variety of areas such as: Construction Welder, Farm & Machinery Parts Welder, Maintenance Type Welding, Aircraft Welder, Pipe & Pipeline Welder, Manufacturing, Auto Body Welder, Structural Steel Fabrication, Welding Supplies Sales, Iron Workers, and Boilermakers. Helpful high school subjects are: Drafting, Metals, Tech & Industrial Math I/II, general shop courses, English III AC, and English IVAC. Students completing the welding technology program with a grade of "C" or above, and at least 90% attendance, will receive 30 free college credit hours at North Central Missouri College. Those

students maintaining 95% attendance and a "B" or above, may enter the welders' apprenticeship program with the Ironworkers Union in Kansas City.

Project Lead the Way

PROJECT LEAD THE WAY (PLTW): INTRODUCTION TO ENGINEERING DESIGN (LEV.1): This course is intended for students who are interested in solving problems and design and engineering. This course will cover design basics, assembly design, thoughtful product design, and making things move. These topics will include CAD with Onshape, VEX robotics pieces and gears, sketching, 3D printing, reverse engineering, and material properties. The design thinking process is used throughout this course as well as employability skills such as working with a group, communicating in a variety of ways, and making decisions. This course will benefit students who plan to major in engineering in college, as well as those students who are enrolled in a 3-hour block technical programs and plan to go directly to work in the fields of manufacturing and engineering.

PROJECT LEAD THE WAY (PLTW): PRINCIPLES OF ENGINEERING (LEV. 2): Throughout the program, students will complete various projects and develop engineering knowledge and skills. As students work in teams to design and test solutions, they develop in-demand skills such as collaboration, critical thinking, and communication. Through hands-on problems that engage and challenge, students explore a broad range of topics, including circuits, simple and compound machines, the strength of structures and materials, alternative energy sources, and automation with robotics and sensors. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. You do not have to be interested in becoming an engineer to take this course-- anyone who enjoys hands-on work and building will like this course.

Prerequisite: Introduction to Engineering Design or instructor approval.

PROJECT LEAD THE WAY (PLTW): COMPUTER INTEGRATED MANUFACTURING: This course covers basic robotic coding with sensors, manufacturing processes and costs, CNC machining, and robotic arms. Students take the skills learned in each topic and design an integrated mini factory as the final project. Students will use CAM to turn their CAD designs into actual products using the CNC mill, learn to control both physical and virtual robotic arms for various tasks, design and program a Vex robot to complete given tasks, and learn how to make the various machines communicate with each other. You do not have to be interested in becoming an engineer to take this course--anyone who enjoys hands-on work and building will like this course!

PROJECT LEAD THE WAY (PLTW): DIGITAL ELECTRONICS - New for 2021-2022! This course will cover foundations in electronics, combinational logic, sequential logic, and controlling real world systems. Students will design circuits, combinational logic circuits, sequential circuits, and circuits with motors. Students will solder and de-solder components to circuit boards, use a probe/oscilloscope, and create a program to manage inputs and outputs of a microcontroller. These skills are in high demand in industry. Students will work together in teams and individually, problem solve, and research and present. You do not have to be interested in becoming an engineer to take this course--anyone who enjoys hands-on work and is interested in electronics is welcome! Engineering Independent Study/Capstone Project This course is for students that have completed 3 years of engineering courses at GRTS. Students will either come up with a project to design or work with a local industry to help solve a problem. *Students must get instructor approval for this course.*

ENGINEERING INDEPENDENT STUDY/CAPSTONE PROJECT: This course is for students that have completed 3 years of engineering courses at GRTS. Students will either come up with a project to design or work with a local industry to help solve a problem. *Students must get instructor approval for this course*.

PROJECT LEAD THE WAY (PLTW): COMPUTER SCIENCE ESSENTIALS:

(software coding basics - step 1)
In Computer Science Essentials, students will explore software coding basics with the use of three languages (MIT App Inventor, Python, and Vex). The students start by using the block-based programming of MIT App Inventor to create phone/tablet apps. They will then seamlessly transition to text-based programming with Python and complete the course using Vex (self -driving vehicles - like robots). Students will apply computational thinking practice and collaborate just as computing professionals do with authentic industry standard tools. This course empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose. Students will learn about professional opportunities in computer science and how computing can be an integral part of all careers today. CSE helps students create a strong foundation to advance to Computer Science Principles, Computer Science A, Cyber Security, and beyond, if they desire to do so. All students who take CSE will have many opportunities for creative expression and exploration in topics of personal interest. This may be used for 3rd math or science credit if taken Junior or Senior year.

PROJECT LEAD THE WAY (PLTW): COMPUTER SCIENCE PRINCIPLES:
(software coding - step 2)
In Computer Science Principles, students will get deeper into software coding using Python. Students will tackle challenges like app development and simulations as well as explore and become inspired by career paths that utilize computing, and discover tools that foster creativity and collaboration. This course empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose. *This course is endorsed by the College Board, giving students the opportunity to take the AP CSP exam for college credit.*

PROJECT LEAD THE WAY (PLTW): COMPUTER SCIENCE A:
(software coding - step 3)
In Computer Science A, students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases, as well as creating a game for their friends or an app to serve a real need in their community. The focus will be on Java as the coding language. This course empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose. *This course is endorsed by the College Board, giving students the opportunity to take the AP CSA exam for college credit.* There is a prerequisite of Computer Science Principles.

PROJECT LEAD THE WAY (PLTW): CYBERSECURITY:
In Cybersecurity, students learn how to defend data in today's complex cyberworld whether they are seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company's data. This course empowers students with in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose. This course does not have a prerequisite and can be taken at the same time as Computer Science Principles or Computer Science A.

Human Services

EARLY CHILDHOOD PROFESSIONS:
This course meets 3 hours per day and is a two-year program. This program prepares students to work as childcare attendants, assistants, or managers of childcare centers. Instruction includes classroom and supervised lab and work experiences aimed at developing childcare competencies. Students acquire hands on childcare experience through "Diapers & Diplomas," the Chillicothe R-2 School District's childcare center. The following units will be covered in depth: child growth and development, program planning and management, promoting cognitive, social, emotional and physical development, behavior guidance, learning experiences for children, and child abuse and neglect. Career opportunities include: childcare manager/worker, nanny, family child care business owner, kindergarten or elementary paraprofessional, after-school childcare provider, and foster care provider. Students completing the childcare program with a "C" or above and at least 90% attendance may receive 9 free college credit hours towards an Associate of Applied Science degree at North Central Missouri College in Trenton.

HOSPITALITY & TOURISM MANAGEMENT:

This course meets for 3 hours a day and is a two-year certificate program. The curriculum and certification are sourced from and issued by the American Hotel and Lodging Educational Institute. This technical program introduces the student to the fast-growing, billion dollar hospitality and tourism industry from a business management perspective. The program provides students with broad based learning on the leadership tasks, knowledge, and skills required by anyone wishing to build a career within the hospitality and tourism industry including accommodations, food and beverage, transportation, and attractions. The course incorporates the best of modern technology with a selection of knowledge-based curriculum, guest speakers, on-site work experiences, and project-based learning through CTSOs which includes SkillsUSA and FCCLA. Ambassador opportunities are provided for students both on and off campus. This curriculum is industry-driven; therefore, it matches the needs of hospitality employers across the nation and internationally. Missouri State offers HTMP students who enroll and pay tuition, an opportunity to earn a total of five hours of college credit over the course of the two-year program.

Health Sciences

HEALTH SCIENCE TECHNOLOGY I:

First year students, Juniors or Seniors.

This course is designed to prepare potential health care workers to become multi-skilled health team members. Emphasis is placed on employability, infection control, emergency care, safety, and health care skills. Over 150 hours are spent in more than 30 career pathways at medical facilities throughout the community. Examples of clinical settings include radiology, paramedic/EMT, veterinarian, registered nurse, cosmetology, dental assistant, therapy and many more. Students learn hands on skills necessary for all health care providers, medical terminology, baseline anatomy and physiology, and a vast array of medical knowledge.

HEALTH SCIENCE TECHNOLOGY II:

Seniors Only. Students will have the opportunity to choose a curriculum that best matches their area of interest. This course utilizes a work-based learning approach with students spending over 250 hours in their career choice clinical setting. Examples of pathways that students can choose to focus on include: Physical Therapy Aide, Certified Nurse Assistant, Pharmacy Aide, Radiology Aide, Dental Aide, Medical Office Assistant, and Veterinary Assistant. Students focus on medical terminology, medical skills, and completing certifications in health care. Students must have taken HST I to enroll in this program. Students complete coursework to meet requirements for Missouri Certified Nurse Assistant (CNA).

Business Management and Technology

INTRO TO BUSINESS:

Every career has a business side—schools, sports teams, landscapers, engineers, medical personnel, etc. Start developing skills now that will help you as an employee, consumer, and whatever career your future has in store for you! Topics covered will be business math, business ethics, careers, economics, business communications, international business, etc. Technology projects will also be incorporated using Microsoft Publisher, Word, Excel, and PowerPoint. Open to freshmen level students.

PERSONAL FINANCE:

Personal finance is designed to prepare students to make wise financial decisions. Topics include: personal budgeting, banking services, understanding credit, taxes, investment options, risk management, automobile purchases, and consumer rights and responsibilities. Emphasis is placed on developing decision-making skills for real life financial situations. This course is a graduation requirement. Open to sophomore, junior or senior level students.

ACCOUNTING I:

This course is designed to provide an understanding of the basic elements and concepts of double-entry accounting systems. Accounting I will provide students with a solid background for employment in office jobs and preparation for

studying business courses in college. Topics covered include: accounting careers, transaction analysis into debit and credit parts, journalizing transactions, posting to ledgers, worksheet preparation, preparation and analysis of financial statements, and recording adjusting and closing entries. Students will complete work for businesses established as sole proprietorships, partnerships, and corporations. If a student is considering any type of business degree at college after high school, this course is a must have as the college level skips the basics provided in Accounting I. Open to junior or senior level students. ***Sophomore students by teacher approval only***. If a student is considering any type of business degree at college after high school, this course is a must have as the college level skips the basics provided in Accounting I.

ACCOUNTING II:

This course is designed to help the student acquire a more thorough,
in-depth knowledge of accounting procedures and financial decisions. This course is a good college preparatory course for any student interested in going into the business field in the areas of accounting, finance, business management, marketing, etc., or an entry-level office position such as an accounting clerk or bookkeeper. Students will develop skills in analyzing and interpreting information common to partnerships and corporate forms of organization, preparing financial statements and supporting schedules, and using inventory and budgetary control systems. Students also complete a corporate accounting simulation using Automated Accounting software. This is a junior or senior level course.
Prerequisite: Accounting I.

BUSINESS TECHNOLOGY:

In this hands-on course students will gain skills that will prepare them to obtain an entry-level office position and help them succeed in the business field. Units covered include projects in Microsoft Office and Google tools, business communications, use of the 10-key calculator and completion of business math projects, filing, pre-employment preparation, and other valuable business skills. Students will also create presentations on soft skills/business ethics, social media, and work with web page templates. *Open to junior or senior level students. Microcomputer Applications is suggested as a prerequisite, but not required.* This course is open to junior and senior level students.

DESKTOP PUBLISHING/GRAPHIC ARTS:

This area of instruction provides content for employment in career areas, which includes desktop publishing skills. Demand in this area will continue to expand as businesses utilize advanced desktop publishing skills to increase their production efficiency and improve the creativity and quality of business documents and publications. This course is designed for students to gain knowledge and proficiency in the creation of various projects such as brochures, publications, posters, invoices, business cards, flyers, advertisements, and many other functional documents. Creativity and critical thinking will play a large part in this course. This course introduces the novice publisher to the features of Microsoft Publisher, Adobe Indesign and Illustrator, as well as Adobe Photoshop. Photoshop will be used throughout the class and incorporated into the activities completed throughout the year. The students will learn and overview of the software product's capabilities and functions. This course is open to sophomore, junior or senior level students.

MULTIMEDIA/WEB PAGE DESIGN:

This course is a hands-on learning experience designed to give students the opportunity to construct web pages and electronic presentations. Students are encouraged to use their creativity to complete projects on a variety of projects. Instruction includes creating web pages first using Hypertext Markup Language (HTML), then creating informational websites incorporating text, graphics, tables, etc. Software includes online templates and/or Adobe Dreamweaver. This course also incorporates advanced elements of PowerPoint including audio and visual elements. Projects in Adobe Spark, IMovie, and Sony Vegas are also included to create videos and commercials. This course is open to sophomore, junior or senior level students. Microcomputer Applications is suggested as a prerequisite, but is not required.

ENTREPRENEURSHIP & SMALL BUSINESS MANAGEMENT:

Entrepreneurship is the act or process of getting into and managing one's own business enterprise. The course is designed to help students learn what they need to know to be entrepreneurs. Lessons will focus on the characteristics of entrepreneurs and lead students through the process of setting up a business. Students will learn how to spot opportunities, how to choose one that's right for him/her, and how to minimize the risks of running a business. Additionally, they will study e-commerce, specifically, how e-business differs from traditional business. They will learn how it affects them as consumers and as business owners. Even students who choose not to run their own business will benefit from taking this course and learning to utilize the entrepreneurial way of thinking. The knowledge and skills of entrepreneurship can assist

people along any paths they choose to follow for the rest of their lives. This course is open to junior or senior level students.

BUSINESS LEADERSHIP:

This semester course is designed to help students add tools to their leadership skills toolbox through team building, collaborating with local businesses, improving communication skills (verbal and written), planning and implementing a service project, and interviewing local business leaders. This course will also give students the opportunity to work on the Business Achievement Awards for Future Business Leaders of America. Book reviews will be incorporated from resources such as "Toy Box Leadership," "The Seven Habits of Highly Effective Teens," and current events. Preference given to juniors and seniors.

BANKING AND FINANCE:

This semester course is designed for juniors and seniors who have completed Personal Finance. The curriculum picks up where Personal Finance left off. The course will provide an in-depth look at the financial security of saving/investing for the future, primarily through stocks, bonds, mutual funds and real estate, Other units include consumer lending, income tax filing, and lease options.

MICROCOMPUTER APPLICATIONS:

This computer applications course is designed to help students prepare for entry-level employment in the field of computers and information services and/or to help them prepare for more advanced college computer courses. Students will receive instruction in the field of information processing, which includes hands-on experience utilizing word processing, spreadsheet, database, and presentation software. Students will be using a **Windows 10 platform and Office 2019** integrated software suite. This course is approved for sophomore, junior or senior level students. This course may be taken for 3 hours of college credit through North Central Missouri College (BT 160). In order to receive the dual credit, students must complete the year-long course. This course is open to sophomore, junior and senior level students.

Students completing Accounting I & II, Entrepreneurship, and Microcomputer Applications with a "B" or above and at least 90% attendance will receive 9 free college credit hours transferable to Penn Valley Community College in Kansas City.
Students completing Accounting I & II with a cumulative grade point average of 3.0 in the career and technical program and have an overall GPA of 2.0 will receive 3 credit hours in Business Accounting Technology at Moberly Area Community College.

Certificates of Articulated Credit

Grand River Technical School

Students who attend programs at Grand River Technical School, have the opportunity to earn articulated college credit. Articulated credit offers students a way to save money and time completing an Associate in Applied Science degree. Grand River Technical School works with the following colleges to award articulated college credit:

North Central Missouri College
Metropolitan Community College
Moberly Area Community College
State Technical College of Missouri
State Fair Community College

Program	College Articulated Hours
Auto Service Technology	
North Central Missouri College	30
Metropolitan Community College	10
State Technical College of Missouri	16
Building Trades	
North Central Missouri College	30
State Fair Community College	6
Early Childhood Professions	
North Central Missouri College	
Early Childhood Growth & Development	3
Professionalism in Early Childhood	3
Early Childhood Administration & Management	
Collision Repair	
State Technical College of Missouri	8
Metropolitan Community College	26
North Central Missouri College	30
Computer Service Technology	
North Central Missouri College	30
Industrial Welding	
North Central Missouri College	30

In order to meet guidelines to receive articulated college credit, students must meet the criteria set forth by each college.

North Central Missouri College:

1. Maintain a 90% attendance in the training program.
2. Earn a grade of "C" or above in the training program.
3. Enroll at NCMC within 15 months of graduation or completing the GRTS program.
4. Present the white copy of the certificate of articulation along with your high school or GRTS transcript to NCMC at the time of application for admission.

5. Complete 12 hours of credit at NCMC before articulated credit will be applied to transcript.
6. Earn a 2.0 ("C") grade point average in those 12 college hours.
7. Complete Form 3-A, Application for College Credit, and submit to the Registrar.

Metropolitan Community College:

1. Maintain a 90% attendance in the training program.
2. Earn a grade of "B" or above in the training program.
3. Enroll at MCC within 24 months of graduation or completing the GRTS program.
4. Complete 15 hours of credit at MCC before articulated credit will be applied to transcript.

State Technical College of Missouri:

1. Earn a grade of "B" or above in the training program.
2. Demonstrate acceptable levels of knowledge, skills and behavior for the program of study.
3. Receive a score of 75% or higher on the NATEF End-of-Program exams (Automotive Technology, only).
4. Articulation credit must be used within the first year after high school graduation with the exception of statewide articulation agreements.

State Fair Community College

1. Earn a grade of "B" or better in the training program.
2. Students must complete a "Recommendation for Articulated Credit" form and enroll at SFCC within one year of high school graduation.
3. Contact the SFCC Admissions Office to verify that admissions file is complete. Students should identify themselves as a student enrolling with articulated credit and make an appointment with the Articulation/Academic Counselor to enroll.