PROGRAM OF STUDY: Masonry







This Program of Study may serve as a graduation guide for the next four plus years, along with other career planning and educational materials. Courses listed in this model may include recommended coursework and should be individualized to students' educational and career goals. Each graduation plan needs to meet minimum high school graduation requirements. Dual Enrollment courses can be high school academic and/or career technical education courses.

		SECONDARY:		
COURSE/ GRADE	NINTH	TENTH	ELEVENTH	TWELFTH
ENGLISH	9 th grade Lit/ Composition	10 th grade Lit/ Composition	American Lit/ Composition	World Lit/ Composition / British Lit
MATHEMATICS	Coordinate Algebra / Algebra I	Analytic Geometry / Geometry	Advanced Algebra / Algebra II	Pre-calculus
SCIENCE	Physical Science	Biology	Chemistry	Physics
SOCIAL STUDIES	Government	World History	US History	Economics
PATHWAY COMPLETER	Industry Fundamentals & Occupational Safety	Introduction to Construction	Masonry I	Another course in focus area, Work-Based Learning, or Youth Apprenticeship
Industry Recognized Credential (Pathway Completer)		Visit the End of Pathway Assessment Page (see note below)		
	Health & Personal Fitness (can be taken in grades 9-12)	Introduction to Business Technology	Financial Literacy	Plumbing II
Required/ Selective Electives	Modern Language/Latin 2 units required for admissions to Georgia University System Colleges/Universities For a listing of Modern Language/Latin courses offered at your high school, please contact your advisor, counselor, or curriculum handbook.		Other Electives For a listing of other elective courses offered at your high school, please check with your advisor, counselor, or curriculum handbook.	

Postsecondary Transition

- · University System of Georgia Institutions: Admissions Testing
 - ACT or SAT
 - For More Information contact the institution of your choice
- Technical College System of Georgia
 - Placement Exam
- United States Military
 - ASVAB Assessment
- Use BRIDGE Law platform to inform decisions on postsecondary opportunities
- Dual Enrollment
- Earning high school course credits while taking college courses

Masonry Career Pathway Completers - Industry Credentialing for High School Students

Upon completion of sequenced courses in the Masonry Pathway, students are eligible to complete the industry-Recognized student credential for fulfillment of the End of Pathway Assessment. Secondary students completing the Masonry pathway will be able to sit for the National Industry Credentialed assessment offered on-line from NCCER and SkillsUSA. Once mastery is reached, students will receive recognition for completion and use this credential in conjunction with their job or continuing training. For specific assessment information, refer to: http://bit.ly/ArchConstEOPA.

Masonry Pathway Description

Construction is one of the nation's largest industries with over 7 million wage and salary jobs and 1.9 million self-employed workers. The construction industry also includes maintenance, repair, and improvements on these structures. Brick masons, block masons, and stone masons (or, simply, masons) use bricks, concrete blocks, and natural stones to build fences, walkways, walls, and other structures. The work is physically demanding because masons often must lift heavy materials, stand, kneel, and bend for long periods of time. They usually work outdoors, and poor weather conditions may reduce work activity. Most masons work full time. Although most masons learn through a formal apprenticeship, some learn informally on the job. Others learn through 1- or 2- year mason programs at technical colleges. Overall employment of masons is projected to grow 40 percent from 2014 to 2024, much faster than the average for all occupations. Population growth will create a need for schools, hospitals, apartment buildings, and other structures, but construction of these buildings may be delayed as state and local governments face budget shortfalls. Highly skilled masons with a good job history and work experience in construction should have the best job opportunities

Sample In Demand Careers in Georgia							
Occupation Specialties	Level of Education Needed	Georgia Average Salary	Annual Average Openings in Georgia	2018 – 2028 Employment Outlook			
Plasterers and Stucco Masons	High School Diploma	\$32,824	258	In Demand, High Skill			
Stone Mason	High School Diploma	\$38,500	159	In Demand, High Skill			
Brick and Block Masons	Technical Certificate	\$36,572	115	In Demand, High Skill			
Cement Masons/Concrete Finishers	Technical Certificate	\$36,724	298	In Demand, High Skill			

Related Pathway Occupations

- Masons Plumbing Craft Laborers
- Construction Inspectors
- Cost Estimators Construction Foremen

- Other Related Occupations
- Construction Engineers Project Inspectors
- Project Managers



PROGRAM OF STUDY:

Entrance/Exit









NOTE: Students have many options to ENTER and EXIT from their academic studies into the workforce. When a student graduates from high school, they are eligible to choose one of many ENTRANCE POINT options: 1. Enroll in either a 2- or 4-year post-secondary program; 2. Enroll in an apprenticeship program or the military; or 3. Enter the workforce using technical skills learned in high school. When a student finishes a 2- or 4-year degree program, they may choose to EXIT and 1. Enroll in an apprenticeship program or the military; 2. Enroll in a professional university degree program; or 3. Enter the workforce using technical skills learned.

POSTSECONDARY:

TCC

MT41 NCCER Masonry Technician TCC COFC 1080 Construction Trades Core **MSNR 1015 Introduction to** Masonry **MSNR 1025 Masonry Installation Techniques MSNR 1035 Intermediate** Masonry I **MSNR 1055 Intermediate** Masonry II **MSNR 1105 Advanced Masonry I MSNR 1115 Advanced Masonry**

DIPLOMA OR AAS

MT12 NCCER Masonry Technology Diploma MT41 TCC plus **ENGL 1010 Fundamentals of English I MATH 1012 Foundations of Mathematics EMPL 1000 Interpersonal Relations and Professional Development COMP 1000 Introduction to Computer Literacy** **BACHELOR OF SCIENCE**

The University

System of Georgia offers students' higher education options at 30 institutions throughout the state, providing a wide range of academic programming including certificates and associate, baccalaureate, masters, doctoral and professional degrees. https://apps.ds.usq.ed u/ords/f?p=118:1:0:::::

USG Staying on Course

https://www.usg.edu/s tudent affairs/assets/ student_affairs/docu ments/Staying on Co urse.pdf:

Go to GAfutures at www.gafutures.org for more information about your education and career planning, including valuable financial information (grants and scholarships including HOPE Program, grants, and loans, FAFSA, and CSS forms).

Career Enhancement Opportunities

Career-Related Education Activities

- Career Awareness
- Career Exploration
- Instructional Related
- Connecting
 - · Work-Based Learning
 - Employability Skill Dev.
 - Cooperative Education
 - Internship
 - Youth Apprenticeship
 - Clinicals

Postsecondary Options:

- 4-Year Universities/ Colleges
- 2-Year Colleges
- **Technical Colleges**
- State Registered Apprenticeships
- Special Purpose
- Schools
- On-the-Job Training
- Military

Entrance/Exit Point

Earning Postsecondary Credits While in High School

Entrance/Exit Point

- **Dual Enrollment Program**
- Earn postsecondary credit while in high school
- You can complete
 - Industry Credential
 - Technical Certificate of Credit (TCC)
 - Associates of Applied Science Degree
 - Bachelor's Degree
- Who can help?
- **Parents**
- School Counselor
- Advisor

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