

GRADE	*ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES (# of credits)
9th Grade	English 9	Geometry	Biology	US History 1	Physical Education (1) Health (½) Career Preparedness (1) CTE, and/or Foreign Language, and/or Arts Education (3) Senior Project/Internship
10th Grade	English 10	Algebra II with Trig	Anatomy or Chemistr	US History 2	
11th Grade	English 11	Precalculus	Anatomy or Chemistry	World History	
12th Grade	English 12	***Additional course(s) to complete 4 credits in math (Calculus, AP Calculus AB or AP Calculus BC)	Physics	*****Government/Economics	

*English: Or any AP/postsecondary equivalent

**Math: Or their equivalent

***Math: Must be chosen from the Alabama Course of Study Mathematics or CTE/AP/postsecondary equivalent courses

****Science: May be used to meet both the science and CTE course requirement and must be chosen from the Alabama Course of Study: Science or CTE/AP/

*****Social Studies: Or AP/postsecondary equivalent

CAREER OPPORTUNITIES: Electrical, Civil, Mechanical, Materials, Construction, Information, Advanced Safety, Optical, Aerospace or Software Engineer with the com

COMMUNITY COLLEGE		
Wallace State Community College		Alabama A&M University: Electrical, Mecha
Gadsden State Community College		Auburn University: Polymer and Fiber, Aero
Snead State Community College		Tuskegee: Environmental, Biochemical, Mer
		University of Alabama: Aerospace, Mechani
		University of Alabama in Birmingham: Elect
		University of Alabama in Huntsville: Chemic

CAREER AND TECHNICAL EDUCATION COURSE
Foundations of Engineering I
Foundations of Engineering II

/postsecondary equivalent courses

Completion of a Bachelor's Degree in Engineering

HIGHER EDUCATION

Chemical and Materials Engineering

Aerospace, Materials, Biosystems, Mechanical, Industrial and Aerospace Engineering

Mechanical, Materials, and Science, Electrical, Chemical, and Aerospace Engineering

Chemical, Chemical, Electrical, Civil, Metallurgical, and Environmental Engineering

Electrical, Civil, Mechanical, Biomedical, Materials, Construction Engineering Management,

Computer, Information Engineering Management, Advanced Safety Engineering and Interdisciplinary Engineering

Chemical and Materials, Civil and Environmental, Optical, Electrical, Mechanical, Industrial and Systems, Computer,

Electrical, Mechanical, Industrial, Systems Engineering