Architecture & Construction	Recom	Learning that works for Alabama		
Career Cluster: Architecture ar		Pathway Name: Design		
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools
English 9	English 10	English 11	English 12	
Algebra I	Geometry	Algebra II with Trig	Pre-Calculus or Calculus	
Physical Science	Biology	Chemistry	Physics or Botany	
World History	United States History I	United States History II	Government/Economics	
Career Preparedness	Health/Elective	Elective	Elective	
Physical Education	Elective	Elective	Elective	
Architecture, Construction,		Intermediate Drafting		
and Manufacturing	Introduction to Drafting	Design	Advanced Drafting Design	
	Introduction to	Intermediate Architectural	Advanced Architectural	
Structural Drafting	Architectural Design	Design	Design	
			Senior Career Pathway	
Three-Dimensional Solid	Three-Dimensional	Safety and Health	Project-Architecture &	
Model Design I	Solid Model Design II	Regulations	Construction	
CTE and /or Foreign Language	e and /or Arts Education (a	B credits)		Career and Technical Student
Work-based Learning	Secondary	– Articulation –	Postsecondary	Organizations
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				SkillsUSA
CTE Assessments	Available Indu	stry Certifications	High Wage-High Ski	ill- High Demand Careers
	Certification	Provider		

Architecture & Construction	Recommended Program of Study for: Architecture and Construction			Learning that works for Alabama
Career Cluster: Architecture		Pathway Name: Buildi		
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools
English 9	English 10	English 11	English 12	
Algebra I	Geometry	Algebra II with Trig	Pre-Calculus or Calculus	
Physical Science	Biology	Chemistry	Physics or Botany	
World History	United States History I	United States History II	Government/Economics	
Career Preparedness	Health/Elective	Elective	Elective	
Physical Education	Elective	Elective	Elective	
Architecture, Construction, and Manufacturing	Construction Site Preparation & Foundations	Construction Framing	Construction Finishing and Interior Systems	
Safety and Health Regulations	Senior Career Pathway Project- Architecture & Construction	NCCER Building Construction 1-Construction Framing	NCCER Building Construction 2-Site Preparation	
NCCER Building Construction 3- Construction Finishing				
CTE and /or Foreign Langua	ge and /or Arts Education (3)	credits)		Career and Technical Student
Work-based Learning	Secondary	- Articulation -	Postsecondary	Organizations
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				SkillsUSA
CTE Assessments	Available Industr	y Certifications	High Wage-High Ski	ill- High Demand Careers
	<u>Certification</u>	Provider		

Architecture & Construction	Recommended Program of Study for: Architecture and Construction			CLearning that works for Alabama
Career Cluster: Architecture a		Pathway Name: Cabir		
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools
English 9	English 10	English 11	English 12	
Algebra I	Geometry	Algebra II with Trig	Pre-Calculus or Calculus	
Physical Science	Biology	Chemistry	Physics or Botany	
World History	United States History I	United States History II	Government/Economics	
Career Preparedness	Health/Elective	Elective	Elective	
Physical Education	Elective	Elective	Elective	
Architecture, Construction,				
and Manufacturing	Cabinetmaking I	Cabinetmaking II	Cabinetmaking III	
	Senior Career Pathway			
Safety and Health	Project-Architecture &			
Regulations	Construction			
CTE and /or Foreign Languag	e and /or Arts Education (3 credits)		Career and Technical Student
Work-based Learning	Secondary	– Articulation –	Postsecondary	Organizations
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				SkillsUSA
CTE Assessments	Available Industry Certifications		High Wage-High Sk	ill- High Demand Careers
	<u>Certification</u>	Provider		

Architecture & Construction

Recommended Program of Study for: Architecture and Construction



Career Cluster: Architecture and Construction Pathway Name: Carpentry				
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools
English 9	English 10	English 11	English 12	
Algebra I	Geometry	Algebra II with Trig	Pre-Calculus or Calculus	
Physical Science	Biology	Chemistry	Physics or Botany	
World History	United States History I	United States History II	Government/Economics	
Career Preparedness	Health/Elective	Elective	Elective	
Physical Education	Elective	Elective	Elective	
Architecture, Construction, and Manufacturing	Carpentry I	Carpentry II	Carpentry for Industrial Specialties	
Carpentry for Commercial	Carpentry for Residential	Carpentry for Residential	Safety and Health	-
Specialties	Interiors	Exteriors	Regulations	
Senior Career Pathway				
Project-Architecture & Construction	NCCED Compository 1	NCCED Compository 9	NCCED Comportery 9	
Construction CTE and /or Foreign Language	NCCER Carpentry 1	NCCER Carpentry 2	NCCER Carpentry 3	Career and Technical
Work-based Learning	Secondary	– Articulation –	Postsecondary	Student Organizations
WOR-Dascu Learning	Secondary		T OSISCCONDALY	Student Organizations
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				SkillsUSA
CTE Assessments	Available Indu	ustry Certifications	High Wage-High Sk	ill- High Demand Careers
	<u>Certification</u>	Provider		

Architecture & Construction	Recommended Program of Study for: Architecture and Construction			Learning that works for Alabama
Career Cluster: Architecture a		Pathway Name: Masonr		
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools
English 9	English 10	English 11	English 12	
Algebra I	Geometry	Algebra II with Trig	Pre-Calculus or Calculus	_
Physical Science	Biology	Chemistry	Physics or Botany	
World History	United States History I	United States History II	Government/Economics	
Career Preparedness	Health/Elective	Elective	Elective	
Physical Education	Elective	Elective	Elective	
Architecture, Construction, and Manufacturing	Introduction to Masonry	Block Wall Construction	Residential Masonry I	
Residential Masonry II	Composite Masonry Construction	Commercial Masonry	Masonry in High-Rise Construction	
Masonry Special Application and Finishes	Specialty Masonry Construction	Health and Safety Regulations	Senior Career Pathway Project- Architecture & Construction	
NCCER Masonry 1	NCCER Masonry 2	NCCER Masonry 3		
СТЕ	and /or Foreign Language	and /or Arts Education (3 credi	its)	Career and Technical
Work-based Learning	Secondary	- Articulation -	Postsecondary	Student Organizations
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				SkillsUSA
CTE Assessments	Available Indu	ustry Certifications	High Wage-High Sk	ill- High Demand Careers
	<u>Certification</u>	Provider		

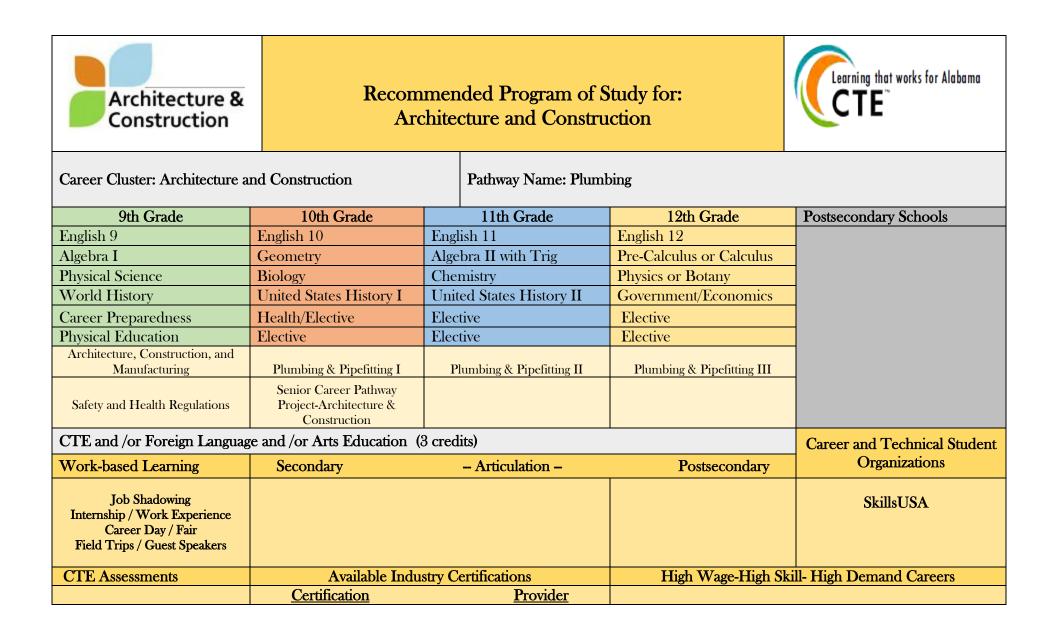


Recommended Program of Study for: Architecture and Construction



Career Cluster: Architecture and	d Construction	Pathway Name: Electrica	al	
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools
English 9	English 10	English 11	English 12	
Algebra I	Geometry	Algebra II with Trig	Pre-Calculus or Calculus	
Physical Science	Biology	Chemistry	Physics or Botany	
-	United States History I	United States History II	Government/Economics	
Career Preparedness	Health/Elective	Elective	Elective	7
-	Elective	Elective	Elective	
Architecture, Construction, and Manufacturing	Electrical Technology	Basic Wiring	Residential Wiring	
Industrial Wiring	Commercial Wiring	Motor Control	Advanced Motor Control	
Electromechanical Controls	National Electrical Code and Journeyman's Preparation	Direct Current	Alternating Current	
Safety and Health Regulations	Senior Career Pathway Project-Architecture & Construction	NCCER Electrical Technologies 1	NCCER Electrical Technologies 2	
NCCER Electrical Technologies 3				-
CTE and /or Foreign Language	and /or Arts Education (a	3 credits)		Career and Technical
Work-based Learning	Secondary	- Articulation -	Postsecondary	Student Organizations
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				SkillsUSA
CTE Assessments	Available Indu	ustry Certifications	High Wage-High Sk	ill- High Demand Careers
	Certification	Provider		
CTE and /or Foreign Language Work-based Learning Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers	and /or Arts Education (a Secondary Available Indu	– Articulation – 1.stry Certifications		Student Organiza SkillsUSA

Architecture & Construction	Recom	Learning that works for Alabama		
Career Cluster: Architecture a		Pathway Name: Weldi		
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools
English 9	English 10	English 11	English 12	
Algebra I	Geometry	Algebra II with Trig	Pre-Calculus or Calculus	
Physical Science	Biology	Chemistry	Physics or Botany	
World History	United States History I	United States History II	Government/Economics	
Career Preparedness	Health/Elective	Elective	Elective	
Physical Education	Elective	Elective	Elective	
Architecture, Construction, and Manufacturing	Introduction to Welding	Applied Welding I with Plasma Arc Cutting	Applied Welding II with Carbon Arc Cutting	
Applied Welding III with Groove Welds & Inspection	Applied Welding IV Advanced Groove Welds & Testing	Gas Metal Arc Welding	Flux Core Arc Welding	
Gas Tungsten Arc Welding I	Gas Tungsten Arc Welding II	Safety and Health Regulations	Senior Career Pathway Project- Architecture & Construction	
NCCER Welding 1	NCCER Welding 2	NCCER Welding 3	NCCER Welding 4	
CTE and /or Foreign Languag				Career and Technical Student
Work-based Learning	Secondary	– Articulation –	Postsecondary	Organizations
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				SkillsUSA
CTE Assessments	Available Indu	stry Certifications	High Wage-High Ski	ill- High Demand Careers
	<u>Certification</u>	Provider		





Recommended Program of Study for: Architecture and Construction



Career Cluster: Architecture and Construction Pathway Name: HVACR				
9th Grade	10th Grade	11th Grade	12th Grade	Postsecondary Schools
English 9	English 10	English 11	English 12	
Algebra I	Geometry	Algebra II with Trig	Pre-Calculus or Calculus	
Physical Science	Biology	Chemistry	Physics or Botany	
World History	United States History I	United States History II	Government/Economics	
Career Preparedness	Health/Elective	Elective	Elective	
Physical Education	Elective	Elective	Elective	
Architecture, Construction, and Manufacturing	Introduction to Heating, Ventilation, Air Conditioning, and Refrigeration	Basic Compression Refrigeration	Heating, Ventilation, Air Conditioning, and Refrigeration Maintenance	
Introduction to Electricity for Heating, Ventilation, Air Conditioning and Refrigeration Systems	Heating, Ventilation, Air Conditioning and Refrigeration Electrical Components & Controls	Refrigerants	Commercial Refrigeration	
Heating & Heat Pump Systems	Safety and Health Regulations	Senior Career Pathway Project- Architecture & Construction	NCCER HVAC 1	
NCCER HVAC 2	NCCER HVAC 3			
СТЕ	and /or Foreign Language a	nd /or Arts Education (3 cred	dits)	Career and Technical Student
Work-based Learning	Secondary	– Articulation –	Postsecondary	Organizations
Job Shadowing Internship / Work Experience Career Day / Fair Field Trips / Guest Speakers				SkillsUSA
CTE Assessments	Available Industry Certifications H		High Wage-High Ski	ll- High Demand Careers
	<u>Certification</u>	Provider		