

Architecture and Construction Career Plan of Study

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each student's educational and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

Required Courses

Recommended Courses

	9th Grade	10th Grade	11th Grade	12th Grade
HIGH SCHOOL COURSES	English 9 or Honors English 9	English 10 or Honors English 10	English 11 or Honors English 11	2 English Electives or AP English
	Algebra I or Honors Algebra II	Geometry or Honors Geometry	Algebra/Trig or Honors Pre-Calculus	Pre-Calculus, AP Calculus, Stats or AP Stat
	Biology, Advanced Biology, or Honors Biology	Chemistry, Advanced Chemistry, or Honors Chemistry	Physics, Advanced Physics, or Honors Physics	AP Physics, AP Biology, AP Chemistry, Anatomy & Physiology
	World Cultures	US History I / US History II	US History III or APUSH / Economics	
	PE 9 / Health	PE 10	PE 11	
	Computer Requirement: grade 7-12 Computer Applications, Computer Studies, Programming 1, or Intro to Auto CADD			
	Possible Electives: Art, Business, Global Language, Music			
Career Electives Intro to Business, Event Marketing Intro to Technology Systems / Art 2D Drawing / advanced Foundations of Art Computer Programming 1 & 2 Intro to Auto-CADD / Advanced Sculpture – 3 D design/ Advanced	Career Electives Computer Programming 3 Yearbook Manufacturing Project Lead the Way (Greenfield): Construction /Advanced Construction Home Improvement, Manufacturing Communications (tech)	Career Electives Project Lead the Way (Greenfield): Intro to Engineering Principles of Engineering Youth Options: Please see your counselor Welding (MATC)	Career Electives Autos (MATC) Construction 2 (Greenfield) Math elective: Stats/ AP Stats, or Pre - Calculus Youth Options : <u>Please see your counselor</u>	
CAREER OPTIONS	Occupations related to this career cluster:			Volunteer/Other Opportunities
	Architects, Architectural Drafters, Civil Engineers, Interior Designers, Land Surveyors, Landscape Architects, Air Conditioning Technicians (HOT), Bricklayers, Cabinet Makers, Carpenters, Construction Workers (HOT), Electricians, Furnace Installers (HOT), Stonemasons, Civil Drafters, Elevator Mechanics, Groundskeepers and Gardeners, and Surveying Technicians More occupations can be found at www.wiscareers.wisc.edu . (HOT) Job openings in these occupations are projected to increase by at least 27% over the next 10 years.			Habitat for Humanity www.habitat.org Volunteer opportunities available www.volunteermilwaukee.org Apprenticeships www.milwbuildingtrades.org
POST SECONDARY	Technical College	College/University		Military
	<u>AAS/Associate Degree = 2 year program</u> Architectural Technology Electronic Technology Engineering Technology Interior Design Landscape Horticulture <u>Technical Diploma = 1 year program</u> Architectural Woodworking/Cabinet Making, Bricklaying & Masonry, Carpentry, Electrical, Electrical Power Distribution/Line Mechanic	Civil Engineers, Building Electricians, Construction Specialists, Surveying-Mapping-and Drafting Technicians, Heating and Cooling Mechanics, Machinists, Ship Electricians Civil Engineers, Building Electricians, Construction Specialists, Surveying-Mapping-and Drafting Technicians, Heating and Cooling Mechanics, Machinists, Ship Electricians		Civil Engineers, Building Electricians, Construction Specialists, Surveying-Mapping-and Drafting Technicians, Heating and Cooling Mechanics, Machinists, Ship Electricians Obtain local recruiter contact information in guidance services

