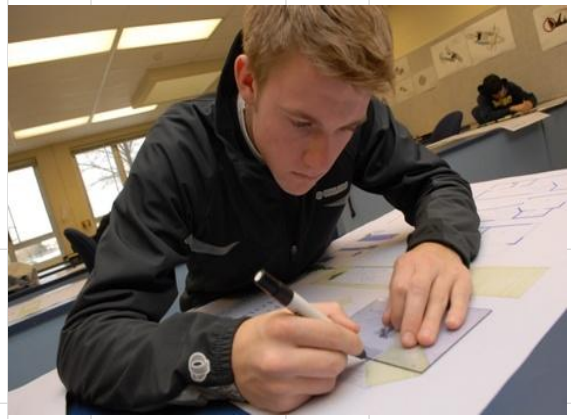




Architecture and Construction Career Pathway Program of Study



Careers in designing, planning, managing, building, and maintaining the built environment.

Careers	<u>Certification/Associates Degree:</u>		Drywall Installer	HVAC Technician	Project Inspector
	Architectural Drafter	Electrician	Painter	Roofer	
	Bricklayer	Electronic Systems Technician	Paper Hanger	Sheet Metal Worker	
	Carpenter	Equipment Material Manager	Pipefitter	Tile and Marble Setter	
	Cement Mason	General Contractor / Building	Plasterer	Civil Engineering Technician	
	Construction Foreman/Manager	Glazier	Plumber	Electrical Engineering Technician	
	<u>Bachelors or Higher Degree:</u>				
	Architect	Electrical Engineer			
	CAD Designer	Grounds Supervisor			
	Civil Engineer	Interior Design			
Cost Estimator	Landscape Architect				
Demolition Engineer					
High School Courses	9th Grade	10th Grade	11th Grade	12th Grade	
	English	English	English	English IV	
	Math	Math	Math	<i>Depending on chosen pathway</i>	
	Science	Science	Science	<i>Depending on chosen pathway</i>	
	Social Science	Social Science	Economics/ AP Economics	AP Psychology	
	Physical Education	Physical Education	Physical Education	Physical Education	
		Consumer Ed/ Communication Art			
<i>Recommended Pathway Courses</i>					
CAD/ Advanced CAD			Introduction to Engineering		
Geometry Construction			Civil Engineering & Architecture		
Digital Electronics					
School Activities	<i>Career Enhancement Tools / Work-based Learning</i>				
	Naviance		Volunteer at Habitat for Humanity, etc.		
	Career Cruising		NSERVE Summer Career Exploration Course		
	Internships, Job Shadowing		SkillsUSA		
Check out careers at Inspire Your Future. Log-in with your Career Cruising info.					
Pathways	Design Pre-Construction				
	Construction				
	Maintenance / Operations				
College & University Majors	<i>College & University Majors</i>				
	Architectural and Building Sciences		Construction Management		
	Architectural Drafting		Drafting/Design Technology		
	Architectural Engineering		Energy Management		
	Architectural History		Interior Architecture		
	Architectural Technology		Landscape Architecture		
	Architecture		Mechanical Drafting		
	Building Construction				
	Building Management				
	Civil Engineering				
Construction Engineering					

Oakton Community College Programs	Certificates	Degrees	Dual Credit	Four-Year Universities Transfer Programs
	<i>Air Conditioning, Heating & Refrigeration Technology</i>	Assoc. in Applied Science (60 cr)		
	Commercial Bldgs. Energy Systems (32 cr)			
	Residential Comfort Control (35 cr)			
	Residential Comfort Syst. Installer (25 cr)			
	Stationary Engineer License Prep. (17 cr)			
Construction Industry Service Corporation (CISCO)	<i>CISCO's Apprenticeship Programs</i>			
	Architectural Iron Worker			
	Boilermaker			
	Bricklayer			
	Carpenter			
	Cement Mason			
	Ceramic Tile Finisher			
	Ceramic Tile Layer			
	Drywall Finisher			
	Electrician			
	Glazier			
	Heat & Frost Insulator			
	Iron Worker			
	Machinery Movers, Riggers & Erectors			
	Operating Engineer			
	Operating Engineer Technician			
	Painter/Decorator			
	Painter/Drywall Finisher			
	Pipefitter			
	Plasterer			
	Plumber			
	Plumber & Pipefitter			
Roofer / Waterproofer				
Sheet Metal Worker				
Sprinkler Fitter				
Structural Iron Worker				
Technical Engineer				
Tuckpointer				