

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

Pathways	Sample Career Specialties / Occupations		
<p><b>Design/Pre-Construction</b></p>	<ul style="list-style-type: none"> <li>Architect •</li> <li>Architectural and Civil Drafter •</li> <li>Civil Engineer (structural, geotechnical, transportation, etc.) •</li> <li>Civil Engineering Technician •</li> <li>Code Official •</li> <li>Computer Aided Drafter (CAD) •</li> <li>Cost Estimator •</li> <li>Drafter •</li> <li>Electrical and Electronic Engineering Technician •</li> <li>Electrical Engineer (electronics, security, telecommunications) •</li> <li>Environmental Designer •</li> <li>Environmental Engineer (hydro engineering, acoustical, etc.) •</li> <li>Environmental Engineering Technician •</li> <li>Fire Prevention and Industrial Engineer •</li> <li>Interior Designer •</li> <li>Landscape Architect •</li> <li>Landscape Designer •</li> <li>Materials Engineer •</li> <li>Mechanical Drafter •</li> <li>Mechanical Engineer (HVAC, plumbing, fire protection, etc.) •</li> <li>Modeler (traditional and computer) Planner/Designer •</li> <li>Preservationist •</li> <li>Programmer •</li> <li>Protection Engineer •</li> <li>Regional and Urban Renderer (traditional and computer) •</li> <li>Specifications Writer •</li> <li>Building Surveying and Mapping Technician •</li> <li>Surveyor •</li> </ul>	<ul style="list-style-type: none"> <li>Boilermaker •</li> <li>Carpenter •</li> <li>Carpet Installer •</li> <li>Concrete Finisher •</li> <li>Construction Craft Laborer •</li> <li>Construction Engineer •</li> <li>Construction Foreman •</li> <li>Construction Inspector •</li> <li>Construction Manager •</li> <li>Drywall Installer •</li> <li>Education and Training Director/Coordinator •</li> <li>Electrical &amp; Power Transmission Installer •</li> <li>Electrician •</li> <li>Electronic Systems Technician •</li> <li>Elevator Installer •</li> <li>Equipment and Material Manager •</li> <li>Estimator •</li> <li>Explosives Worker •</li> <li>Field Supervisor •</li> <li>Floor Layer •</li> <li>General Contractor/Builder •</li> <li>Glazier •</li> <li>Heating, Ventilation, Air Conditioning and Refrigeration Mechanic •</li> <li>Insulation Worker •</li> <li>Iron/Metalworker (structural and reinforcing) •</li> <li>Landscaper/Groundskeeper •</li> <li>Lineworker •</li> <li>Manufacturer's Representative •</li> </ul>	<ul style="list-style-type: none"> <li>Mason •</li> <li>Millwright •</li> <li>Painter •</li> <li>Paperhanger •</li> <li>Pipe Fitter •</li> <li>Pipelayer •</li> <li>Pipeline Installer</li> <li>Plasterer/Drywall •</li> <li>Plumber •</li> <li>Preservationist •</li> <li>Project Inspector •</li> <li>Project Manager •</li> <li>Roofer •</li> <li>Safety Director •</li> <li>Sales and Marketing Manager •</li> <li>Scheduler •</li> <li>Security and Fire Alarm Systems Installer •</li> <li>Service Contractor •</li> <li>Sheetmetal Worker •</li> <li>Specialty Contractor •</li> <li>Specialty Trades Subcontractor •</li> <li>Steamfitter •</li> <li>Subcontractor •</li> <li>Superintendent •</li> <li>System Installer •</li> <li>Terrazo Worker and Finisher •</li> <li>Tile and Marble Setter •</li> </ul>
<p><b>Construction</b></p>	<p>NOTE: General contractors/builders and Specialty contractors typically own the contracting company.</p>	<ul style="list-style-type: none"> <li>Boilermaker •</li> <li>Carpenter •</li> <li>Carpet Installer •</li> <li>Concrete Finisher •</li> <li>Construction Manager •</li> <li>Construction Engineer •</li> <li>Construction Foreman •</li> <li>Construction Inspector •</li> <li>Cost Estimator •</li> <li>Demolition Engineer •</li> <li>Drywall Installer •</li> <li>Electrician •</li> <li>Elevator Installer •</li> <li>Environmental Engineer •</li> <li>Equipment and Material Manager •</li> <li>Estimator •</li> <li>Facilities Engineer •</li> <li>Field Supervisor •</li> <li>General Maintenance Contractor •</li> <li>Glazier •</li> <li>Hazardous Materials Remover •</li> <li>Heating, Ventilation, Air Conditioning and Refrigeration Mechanic •</li> <li>Heavy Equipment Operator •</li> <li>Highway Maintenance Worker •</li> <li>Hydro Testing Technician •</li> <li>Insulation Worker •</li> <li>Insulation Worker •</li> <li>Iron/Metalworker (structural and reinforcing) •</li> <li>Landscaper/Groundskeeper •</li> <li>Maintenance Estimator •</li> <li>Maintenance Planner/Scheduler •</li> <li>Manufacturer's Representative •</li> </ul>	<ul style="list-style-type: none"> <li>Mason •</li> <li>Millwright •</li> <li>Operating Engineer •</li> <li>Paperhanger •</li> <li>Pipe Fitter •</li> <li>Pipelayer •</li> <li>Plumber •</li> <li>Preservationist •</li> <li>Project Inspector •</li> <li>Project Manager •</li> <li>Refractory Technician •</li> <li>Relay Technician</li> <li>Reliability Engineer •</li> <li>Remodeler •</li> <li>Restoration Technician •</li> <li>Safety Director •</li> <li>Sales and Marketing Manager •</li> <li>Scheduler •</li> <li>Security and Fire Alarm System Installer •</li> <li>Security Controls Manager •</li> <li>Service Contractor •</li> <li>Sheetmetal Worker •</li> <li>Specialty Trades Contractor •</li> <li>Steamfitter •</li> <li>Subcontractor •</li> <li>Substation Mechanic</li> <li>Superintendent •</li> <li>System Installer •</li> <li>Terrazo Worker and Finisher •</li> <li>Thermal Control Technician •</li> <li>Tile and Marble Setter •</li> <li>Utility Metering &amp; Reg. Technician</li> <li>Wastewater Maintenance •</li> </ul>
<p><b>Maintenance/Operations</b></p>			

The **Common Career Technical Core (CCTC)** includes a set of standards for each of the 16 Career Clusters™ and their corresponding Career Pathways that define what students should know and be able to do after completing instruction in a program of study. The CCTC also includes an overarching set of **Career Ready Practices** that apply to all programs of study. The Career Ready Practices include 12 statements that address the knowledge, skills and dispositions that are important to becoming career ready.