

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

PATHWAYS	SKILLS STANDARDS	CURRICULUM	ASSESSMENTS
Design/Pre-Construction	Drafting: Drafting Technician Architectural Drafter Mechanical Drafter	 Career Clusters: Career Clusters: Civil Technology Applications Problem Solving TLA Problem Solving TLA Drafting: Engineering Sketching TLA Environmental Technologies TLA 	Drafting: Drafting Technician Architectural Drafter Mechanical Drafter
Construction	Welding: Shielded Metal Arc Welder Gas Metal Arc Welder Flux-Cored Arc Welder Gas Tungsten Arc Welder Cutting Process Operator Heating, Ventilation, Air Conditioning & Refrigeration: HVAC Technician Refrigeration Technician Sheet Metal Technician Natural Gas Piping Technician Natural Gas Piping Technician Process Piping Technician Residential Electrician's Assistant Commercial/Industrial Electrician's Assistant Cabinetmaking: Cabinetmaker Helper Construction Trainee Plumbing Apprentice Technician Brick Masonry: Mason Tender Masonry Trainee Carpentry: Form Carpenter Finish Carpenter Frame Carpenter Drywall Installation Trainee Roofer Landscape Maintenance Technician	 Career Clusters: Architecture and Construction Cluster VHS and DVD Fundamentals of Air Conditioning and Refrigeration Residential and Light Commercial Heating, Ventilation, Air Conditioning and Refrigeration — System Design — Equipment Operation and Application Air Conditioning and Refrigeration: Air Conditioning and Refrigeration: Air Conditioning and Refrigeration: Air Conditioning and Refrigeration: Domestic Refrigeration Basic Electrical Wiring Residential Wiring Power Line Technician Training Series Reisdential and Commercial Carpentry Wind Turbine Technician Fundamentals of Carpentry Residential Carpentry	 Welding: Shielded Metal Arc Welder Gas Metal Arc Welder Flux-Cored Arc Welder Gas Tungsten Arc Welder Cutting Process Operator Heating, Ventilation, Air Conditioning & Refrigeration: HVAC Technician Refrigeration Technician Sheet Metal Technician Natural Gas Piping



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PATHWAYS	SKILLS STANDARDS	CURRICULUM	ASSESSMENTS
Construction (continued)	Heavy Equipment Operation: — Backhoe Operator — Dozer Operator — Scraper Operator — Loader Operator — Grader Operator — Hydraulic Excavator Operator — Forklift Operator	 Operative Plasterers Book Two Oxyacetylene Welding and • Oxyfuel Cutting SMAW: Shielded Metal Arc Welding and Carbon Arc Cutting – Arc GMAW: Gas Metal Arc Welding and FCAW: Flux-Cored Arc Welding GTAW: Gas Tungsten Arc Welding and Plasma Arc Cutting 	Dozer Operator Heavy Equipment Operator
Maintenance/Operations	Building Maintenance Technology: Carpentry Plumbing Heating, Ventilation, Air Conditioning & Refrigeration Electrical Welding: Shielded Metal Arc Welder Gas Metal Arc Welder Flux-Cored Arc Welder Gas Tungsten Arc Welder Cutting Process Operator Heating, Ventilation, Air Conditioning & Refrigeration: HVAC Technician Refrigeration Technician Sheet Metal Technician Natural Gas Piping Technician Ielectrical Trades: Residential Electrician's Assistant Commercial/Industrial Electrician's Assistant Cabinetmaking: Cabinetmaker Helper Construction Trainee Plumbing Apprentice Technician Brick Masonry: Mason Tender	 Career Clusters: Architecture and Construction Cluster VHS and DVD Fundamentals of Air Conditioning and Refrigeration Residential and Light Commercial Heating, Ventilation, Air Conditioning and Refrigeration: System Design Equipment Operation and Application Air Conditioning and Refrigeration: Electrical Components and Systems Air Conditioning and Refrigeration: Basic Electrical Wiring Residential Wiring Commercial and Introduction to Carpentry Introduction to Concrete Finishing Introduction to Concrete Reinforcing Introduction to Concrete Reinforcing Introduction to Concrete Reinforcing Introduction to Heating, Ventilation, Introduction to Concrete Reinforcing Introduction to Heating, Ventilation, Introduction to Concrete Reinforcing Introduction to Highway Bridge Construction Introduction to Introduction to Introduction to Introduction to Intro	 Cutting Process Operator Heating, Ventilation, Air Conditioning & Refrigeration Technician

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PATHWAYS	SKILLS STANDARDS	CURRICULUM	ASSESSMENTS
Maintenance/Operations (continued)	 Masonry Trainee Carpentry: — Form Carpenter — Finish Carpenter — Frame Carpenter — Drywall Installation Trainee — Roofer Construction Traineee Plumbing Apprentice Technician Landscape Maintenance Technician Heavy Equipment Operation: — Backhoe Operator — Dozer Operator — Scraper Operator — Loader Operator — Grader Operator — Hydraulic Excavator Operator — Backhoe Operator — Forklift Operator 	 TechConnect Introduction to Sheet Metal Oxyacetylene Welding and Oxyfuel Cutting SMAW: Shielded Metal Arc Welding and Carbon Arc Cutting – Arc GMAW: Gas Metal Arc Welding and FCAW: Flux-Cored Arc Welding GTAW: Gas Tungsten Arc Welding and Plasma Arc Cutting TechConnect Introduction to Welding 	Brick Masonry: Mason Tender Masonry Trainee Carpentry: Form Carpenter Frame Carpenter Drywall Installation Trainee Roofer Landscape Maintenance Technician Heavy Equipment Operator