

ARCHITECTURE AND CONSTRUCTION

OCCUPATION AND TRAINING OUTLOOK
MACOMB COUNTY | JANUARY 2020

INTRODUCTION

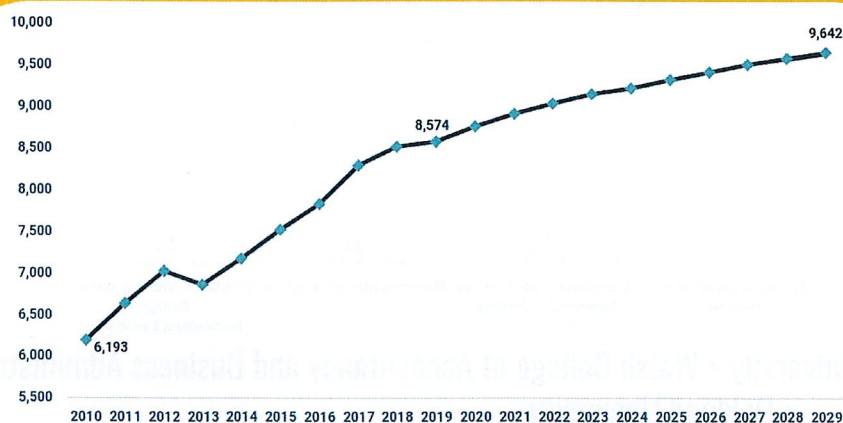
Architecture and Construction occupations are commonly associated with skilled trades, engineering, management, and planning. Construction employers are slowly adopting on-line job search methods, so online job postings may not capture the complete picture of demand for workers. The architecture and construction occupations detailed here include Cost Estimators, Architectural and Civil Drafters, Construction Laborers, Electricians, and Plumbers, Pipefitters, and Steamfitters, but there are many different opportunities for a variety of interests and skills.

**8,574
WORKERS
EMPLOYED**

WAGE DISTRIBUTION AND JOB OPENINGS

	ENTRY	MEDIAN	EXPERIENCED	ANNUAL OPENINGS
Cost Estimators	\$16.04	\$29.98	\$49.91	74
Architectural and Civil Drafters	\$16.41	\$25.08	\$38.66	31
Construction Laborers	\$7.72	\$16.90	\$28.91	394
Electricians	\$14.42	\$30.49	\$42.11	351
Plumbers, Pipefitters, and Steamfitters	\$14.14	\$32.38	\$39.41	183

EMPLOYMENT OVER TIME



TOP POSTING EMPLOYERS

- HomeAdvisor, Inc.
- Tradesmen International, LLC
- Industrial Technology Services, LLC
- Central Transport International, Inc.
- Gw Electric USA Inc
- Lite Electric, Inc
- Power Solutions Group Ltd.
- Aramark Corporation
- Launch Support Specialists, Inc.
- Allied Building Svc.

INDUSTRY EXPERTISE

Architecture and Construction workers are employed in many industries. The top industries seeking workers are Construction, Administrative and Support and Waste Management, and Professional, Scientific, and Technical Services. Typical on-the-job training required for occupations in this industry ranges from no training, typically for occupations requiring a degree, to apprenticeship, to moderate-term training.

TECHNICAL SKILLS

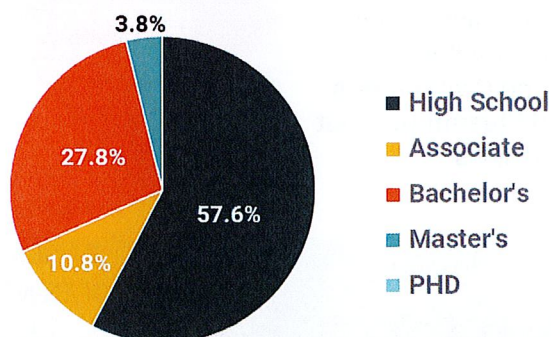
- Electrical Wirings
- Estimators
- Plumbing
- Electrical Equipment
- Blueprinting
- Tooling
- Transformers (Electrical)
- Electrical Systems
- Cost Estimation
- Power Tool Operation

SOFT SKILLS

- Valid Driver's License
- Construction
- Troubleshooting
- Good Driving Record
- Communications
- Operations
- Problem Solving
- Management
- Customer Service
- Sales

EDUCATION AND CREDENTIALS

POSTINGS BY EDUCATION LEVEL



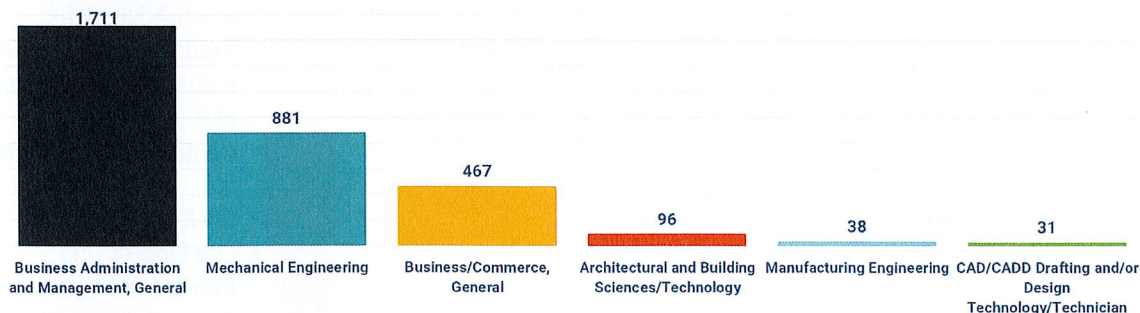
JOB OPENINGS VS COMPLETIONS



TOP POSTED CERTIFICATIONS

- Automotive Service Excellence (ASE) Certification
- Commercial Driver's License (CDL)
- HVAC Certification
- Master Of Business Administration (MBA)

MACOMB, OAKLAND, AND WAYNE COUNTY 2018 PROGRAM COMPLETIONS



Schools Offering Programs: Wayne State University • Walsh College of Accountancy and Business Administration • Oakland University



CTE Course Offerings in the Architecture and Construction Pathway

- Architecture I – CAD
- Architecture II – CAD
- CTE Architecture – CAD
- Architecture Capstone
- Construction & Building Maintenance

Senior year option of School to Work placement



Architecture &
Construction
Pathway



School to Work