

INFORMATION TECHNOLOGY

OCCUPATION AND TRAINING OUTLOOK

MACOMB COUNTY | JANUARY 2020

INTRODUCTION

Information technology (IT) jobs include occupations that are associated with entry-level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services. IT employment is emerging in prominence across Southeast Michigan, and has experienced large growth in Macomb County in recent years.

**5,796
WORKERS
EMPLOYED**

WAGE DISTRIBUTION AND JOB OPENINGS

	ENTRY	MEDIAN	EXPERIENCED	ANNUAL OPENINGS
Computer and Information Systems Managers	\$38.76	\$61.46	\$94.59	56
Computer Systems Analysts	\$24.83	\$38.81	\$60.42	95
Information Security Analysts	\$28.83	\$43.12	\$63.40	10
Software Developers, Applications	\$28.35	\$43.88	\$63.18	214
Computer User Support Specialists	\$13.25	\$22.32	\$37.52	105

EMPLOYMENT OVER TIME



TOP POSTING EMPLOYERS

- Computer Task Group, Incorporated
- General Motors Company
- Revature
- General Dynamics Corporation
- Ascension Health
- DCS Corporation
- BAE SYSTEMS PLC
- Teksystems, Inc.
- Kelly Services, Inc.
- Moseley Technical Services, Inc

INDUSTRY EXPERTISE

Technology companies, often included among Professional, Scientific, and Technical Services, are the top posting industry. However, the widespread use of technology in all businesses means that Manufacturing, Administrative and Support Services, Retail Trade, Health Care and Social Assistance companies also post many ads for IT workers.

TECHNICAL SKILLS

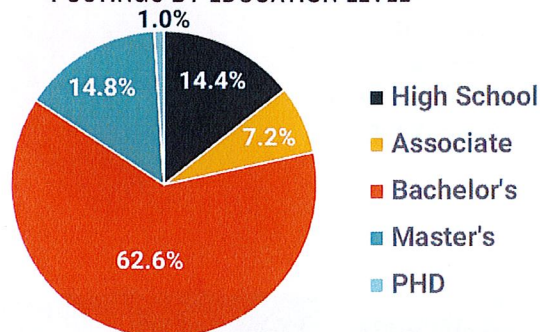
- Software Engineering
- JavaScript
- Java
- Operating Systems
- SQL
- Linux
- C++
- Technical Support
- Software Development
- C

SOFT SKILLS

- Management
- Troubleshooting
- Problem Solving
- Communications
- Operations
- Computer Sciences
- Customer Service
- Integration
- Leadership
- Written Communication

EDUCATION AND CREDENTIALS

POSTINGS BY EDUCATION LEVEL



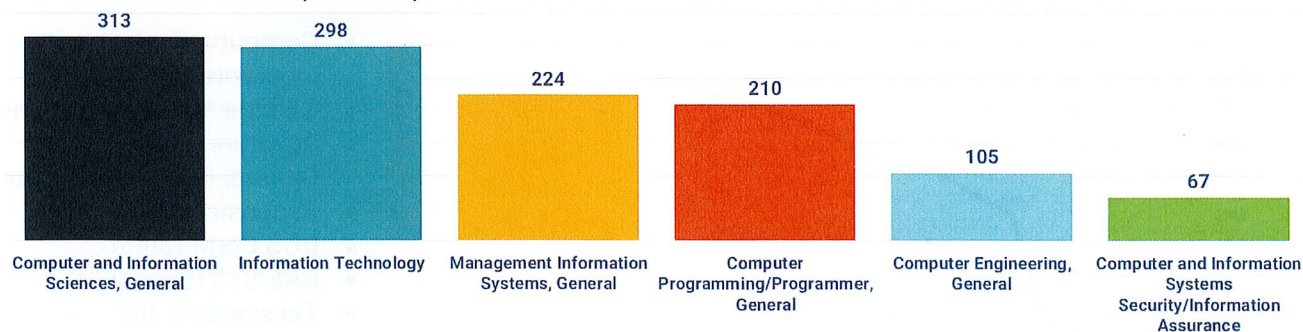
JOB OPENINGS VS COMPLETIONS



TOP POSTED CERTIFICATIONS

- Certified Information Systems Security Professional
- CompTIA Security+
- Certified Ethical Hacker
- GIAC Certifications
- Certified Information System Auditor (CISA)
- Project Management Professional Certification
- Systems Security Certified Practitioner
- Microsoft Certified Systems Administrator (MCSA)
- Certified Information Security Manager
- CompTIA Network+

MACOMB, WAYNE, AND OAKLAND COUNTY 2018 PROGRAM COMPLETIONS



Schools Offering Programs: Macomb Community College • Henry Ford College • Wayne State University



CTE Course Offerings in the Information Technology Pathway

- Website Development I
- Website Development II
- Cybersecurity
- Computer Science I
- Computer Science II
- Advanced Placement Computer Science Principles
- Advanced Placement Computer Science A

Senior year option of School to Work placement



Information Technology
Pathway



School to Work