



PURE INFORMATION TECHNOLOGY

Michigan is an information technology hotbed, where the convergence of manufacturing and software development is creating an environment where the IT sector thrives. Since 2009, information technology job growth in Michigan has outpaced the nation and the state is poised to continue this pace well into the future.

MICHIGAN MEANS SUCCESS

Businesses are coming to Michigan and expanding operations here because of a business friendly environment that ranks among the best nationally and an abundant pool of available workforce talent. Currently, Michigan's tech job growth is among the best in the nation¹, making the state an ideal location for information technology companies.

- Between 2010 and 2016, the growth rate of jobs in the information technology industry has grown more than 18 percent in both the Detroit-metro and West Michigan regions. This is approximately 6 percent higher than the national average.²
- Detroit ranks third in U.S. as a "hotbed" for tech jobs, according to *Business Facilities* annual rankings report and also ranks in the top 10 for economic growth potential.³
- The tech industry in Michigan added 13,160 jobs in 2017, which is third only to California and Texas.⁴

ACCESS TO TALENT

With significant policy changes and the economic improvement during the past seven years, Michigan is among the most attractive places in the world for employers due in part to the availability of talent. Through a variety of programs, Michigan is committed to training state's information technology workforce.

- FIRST Robotics is a non-profit created to inspire an appreciation of science and technology and is meant to encourage students to enter the STEM fields. Michigan has more FIRST robotics teams than any other state in the nation and is home to the world championship competition in 2018 and 2020.⁵
- As of 2015, Michigan ranks eighth in the nation for total STEM degree completions at 25,895 total completions statewide.⁶
- Michigan has increased the number of students in information technology career and technical education (CTE) programs by almost 50 percent since 2011.⁷
- Michigan is home to nearly 123,000 engineers, the most of any state in the nation.⁸

¹ CompTIA Inc.

² Detroit Regional Chamber

³ Business Facilities 13 Annual Rankings Report

⁴ www.cyberstates.org

⁵ www.thebluealliance.com/events/fim#teams

⁶ Emsi Inc.; Integrated Postsecondary Education Data System (IPEDS); STEM, 2016

⁷ Governor's Office, SOS2018

⁸ <https://e.economicmodeling.com/>

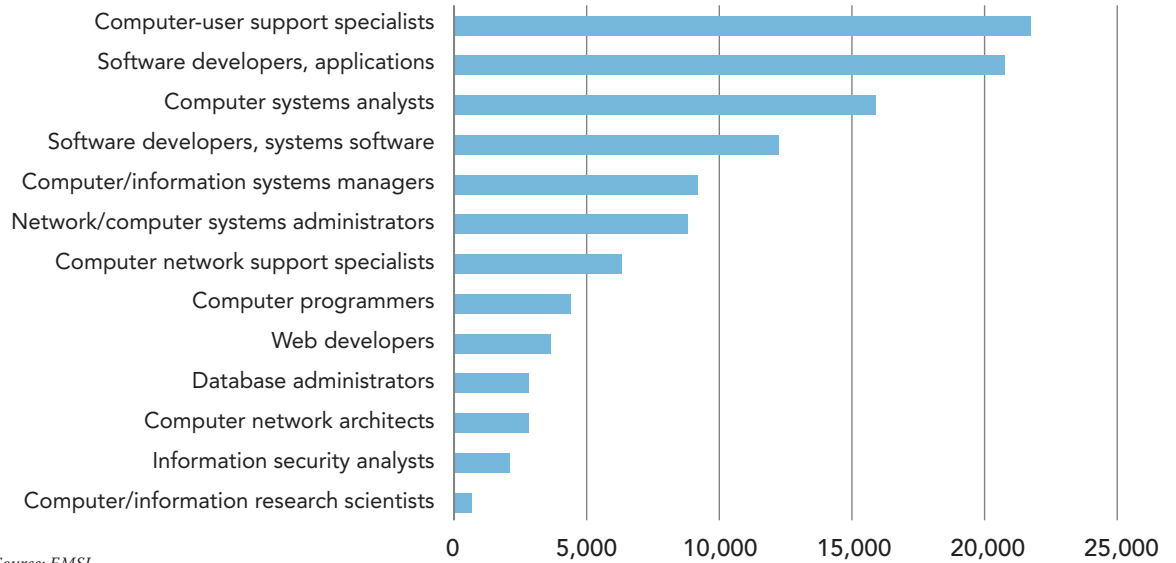
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MICHIGAN ECONOMIC
DEVELOPMENT CORPORATION

www.michiganbusiness.org

SOFTWARE WORKFORCE DEVELOPMENT = 110,815



Source: EMSI

COMMITMENT TO EDUCATION

Overall, Michigan has more than 55 independent universities and colleges, 28 community colleges, and 15 public universities. In 2016, more than 6,500 people completed their degrees in information technology programs across the state.

- Michigan is home to five universities that rank in the top 150 nationally⁹, and two that rank in the top 25 of total R&D expenditures.¹⁰
- Three Michigan universities (University of Michigan, Michigan State University, and Wayne State University) make up Michigan's University Research Corridor, representing \$2.15 billion in annual R&D spending.¹¹

- The University of Michigan has the 13th ranked graduate computer science program in the U.S. Several other programs at the university consistently rank in the top nationally by *U.S. News and World Reports*:¹²
 - » No. 5 and No. 6 engineering graduate and undergraduate programs, respectively
 - » No. 6 undergraduate electrical engineering program
 - » No. 7 online graduate engineering programs in integrative systems and design
 - » No. 7 undergraduate computer engineering program
 - » No. 10 graduate computer science systems program
 - » No. 11 undergraduate management information systems program

Dedicated to shared economic success, the MEDC promotes the state's assets and opportunities that support business investment and community vitality. The MEDC's business assistance programs and services connect companies with people, resources, partners, and access to capital.



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www.michiganbusiness.org

⁹ www.usnews.com/best-graduate-schools/top-medical-schools/research-rankings

¹⁰ <https://ncesdata.nsf.gov/profiles/site?method=rankingBySource&ds=herd>

¹¹ <http://wrcmich.org/reports/10th-annual-economic-impact/>

¹² www.usnews.com