

Impact Report 2018: Microsoft Imagine Academy & Industry Certifications

State of Michigan



The State of Michigan and Microsoft have been making leading industry-recognized certifications accessible to students, teachers, faculty and staff of grades K-12, career and technical centers and career academies, and community colleges and universities statewide since 2014-2015, and the program has shown tremendous increased success over the years.

It's estimated that over 6 million new IT jobs will be created by 2022. There is high-demand for Microsoft skills and certifications in STEM and IT fields and across industry.

Microsoft has added the **Computer Science Learning Path** to Imagine Academy. This learning path delivers **computer science and STEM curriculum** and includes: Introduction to Programming using Python, JavaScript, HTML and CSS, Java, Technopreneurship, CS50 AP Computer Science Principles, and Fundamentals of Software Development and Application Development. **Every school** in Michigan can use this curriculum to help better prepare Michigan teachers and students for the increasingly digital economy.



14,358

open computing jobs in Michigan;
3.6 times the state average demand rate

\$80,478

Average salary for a computing occupation in Michigan, which is significantly higher than the average salary in the state (\$47,350)

only 13%

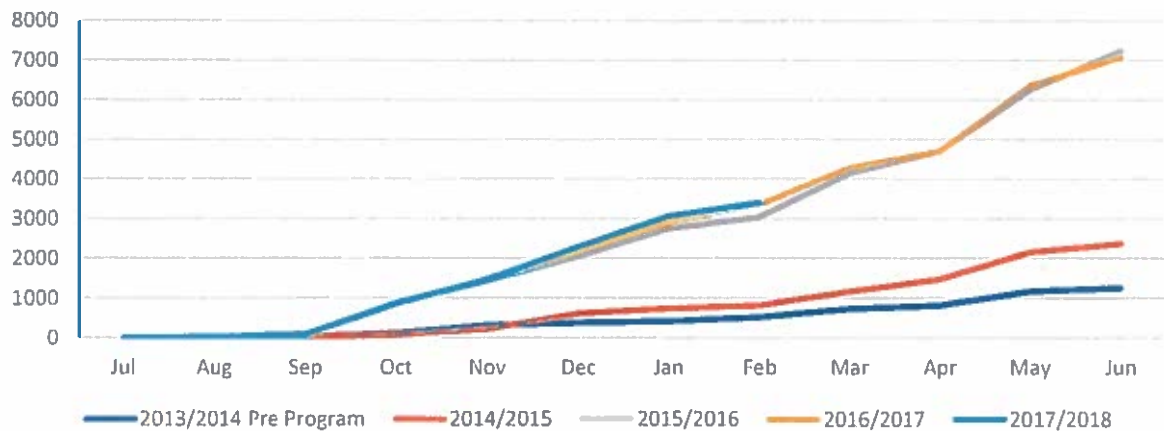
of MI schools with AP programs offered an AP Computer Science course in 2016-2017

Source: code.org, February 2018

Technology Skills	Michigan
Microsoft	10,533
Python	606
HTML	590
Java	1,001
Google	683
Cisco	268
Apple	245

Source: indeed.com, February 2018

Michigan Certifications Earned YOY



21,362

Certifications earned to date

Source: Certiport, February 2018



Students Demonstrate Mastery of In-Demand Career Skills

"... achieved a certification, it is a big deal. It's not me certifying them, it's Microsoft certifying them, which is huge. It's an industry standard that they can take wherever they go, whether it's into the workplace, or whether it's to college."

- Diane Harrington, business education teacher at Sault Area High School and Career Center in Sault Ste. Marie, Michigan

Source: Michigan Department of Education Imagine Academy Partnership video highlights

<https://www.youtube.com/watch?v=LgO21SlwgCk>

Microsoft Imagine Academy

Today more jobs require technical skills. Microsoft Imagine Academy provides industry-recognized technology education, skills, and certifications students need to succeed. Imagine Academy provides up-to-date curricula and resources to train and certify students and educators on Microsoft and other technologies. Students gain valuable skills for college and career that will help them succeed in an increasingly digital global economy.



Microsoft Imagine Academy offers four main pathways for success



Computer Science

Coding skills based on the latest tools and techniques



IT Infrastructure

Skills in IT administration and cloud platform solutions



Data Science

Introduction to data science concepts and tools



Productivity

Mastery of the productivity applications broadly used in business

INDUSTRY CERTIFICATIONS

A wide range of certification programs that enable both students and teachers to demonstrate proficiency and that provide global validation of skills.

- Microsoft Office Specialist (MOS)
- Microsoft Technology Associate (MTA)
- Microsoft Certified Professional (MCP)
- Microsoft Certified Educator (MCE)

Certifications can be converted to digital badges and attached to LinkedIn profiles and resumes to let employers see a candidate's credentials.



The American Council on Education (ACE) has approved the Microsoft Office Specialist (MOS) Word 2016, Excel 2016, and PowerPoint 2016 certification exams for college credit equivalency in Information Technology.

<http://www.prweb.com/releases/2017/10/prweb14784139.htm>



Students Demonstrate Mastery of In-Demand Career Skills

"I'm not a 100% sure in my career path but it's probably going to be something... behind the computer most of the time. It [Microsoft skills and certifications] just applies to anything we get into, and it's just extra skills that you add to your resume." – Laurence Taylor and Shanise Carlson former Sault Area High School and Career Center students in Sault Ste. Marie, Michigan

Source: Michigan Department of Education Imagine Academy Partnership video highlights

<https://www.youtube.com/watch?v=LgO21SlwgCk>



Entrepreneurship



Economic Development



Employability

Imagine Academy + Industry Certifications =

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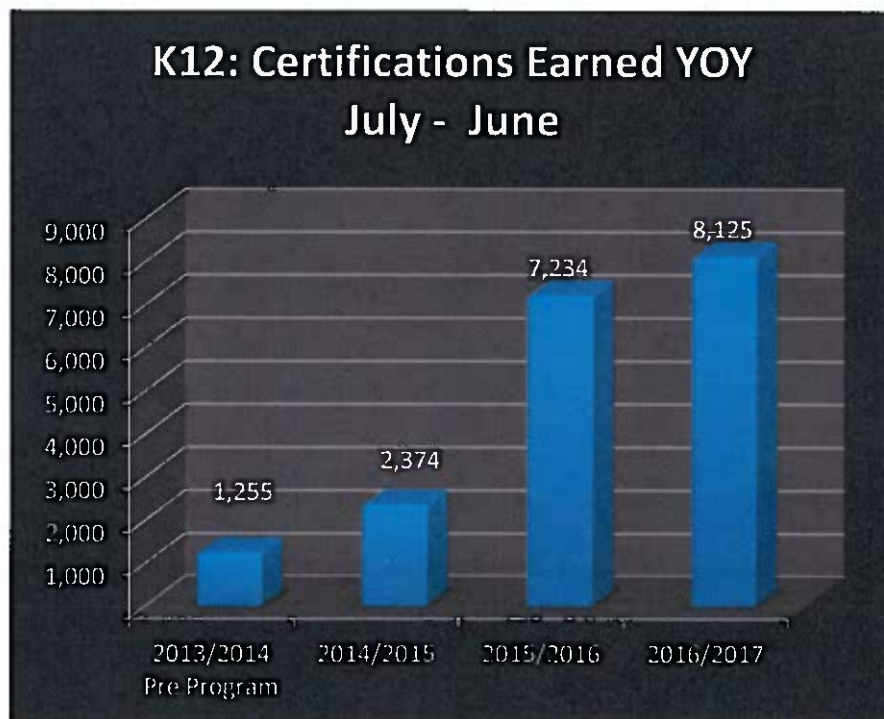
Microsoft Imagine Academy in Michigan – The Definition of Success

What is Microsoft Imagine Academy

- Career Ready, Industry recognized Computer Software Skills and Certification Program
- Computer Science Certificated Program aligned to CSAP exam
- Computational Thinking Skills development using Minecraft
- Provides Curriculum, Support and project management assistance
- Turnkey solution for Schools and States to drive student outcomes and economic development
- 2405 New Certifications awarded from November 29-Jan 10 – Year 4 of program

Microsoft Imagine Academy performance – What Success Looks like in Michigan

Certifications earned



Minecraft

- **Minecraft Grant Application issued in December 2017**
- **60,000 licenses requested in first wave of grant applications**
- **155 School District applications**
- **Cohorts being developed for deployment**
- **Professional development underway**
- **Professional Development being integrated into state PD delivery mechanisms**
- **Deployment and Professional Development using statewide Groups like RITS and REMC's**
- **Three months into program – response has been phenomenal**

Minecraft: Education Edition is a special version of the game developed specifically for educational use. This version adds features and controls for classrooms, specialty blocks and communication tools, and a tutorial for first-time educator use. Minecraft engages and empowers students, builds 21st century skills like communication and collaboration, and develops new literacies like coding. For educators, Minecraft offers special features like tutorials and lessons across subject areas, classroom management tools, and secure sign-in. Because of its open learning environment, Minecraft works across grade levels and subject areas.

Key Data Points:

- **Program is showing phenomenal success – needs to continue**
- **Including Computer Science Skills that aligns to the CSAP exam and code.org program at no additional cost**
- **Including Minecraft for early grade level Computer Science Skills**
- **Including Middle Schools to participate**
- **Public Private Partnership on Training Teachers on classroom delivery of Computer Science**

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