

# MICE

## Michigan Initiative for Cybersecurity Education Overview and Outcomes

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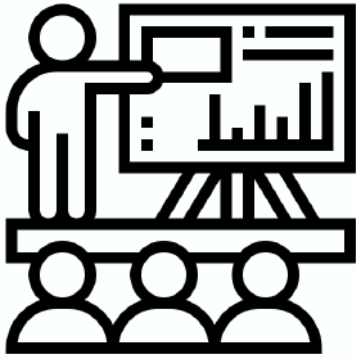
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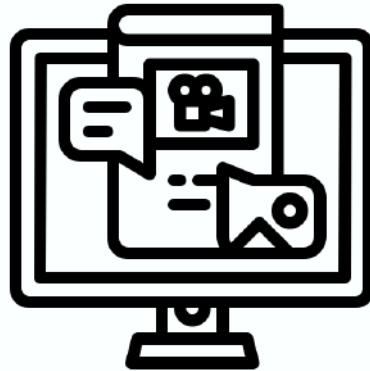
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# What is MICE?

The Michigan Initiative for Cybersecurity Education



Teacher Training  
On-site/Virtual



Custom LMS  
Curriculum Development



Education Consulting  
Program Designers

# History

## Late 2016

- MICE Founded
- Drafted State Standards for Cybersecurity Program

## 2017

- Approval of 11.1003 - Computer and Information Systems Security/Information Assurance as a new CTE program. – Aligned to NICE / NIST Framework
- Quarterly Cybersecurity Teacher Trainings
- Governor's Education & Talent Summit, State Board of Education

## 2018

- Launch of the MICE Learning Management System
- Strategic Partnership Development

## 2019-2021

- MICE Learning Management System 2.0 Expansion and Resources
- NICE K12, MI CTE Conference, MBEA, MI CS Summit, MACUL

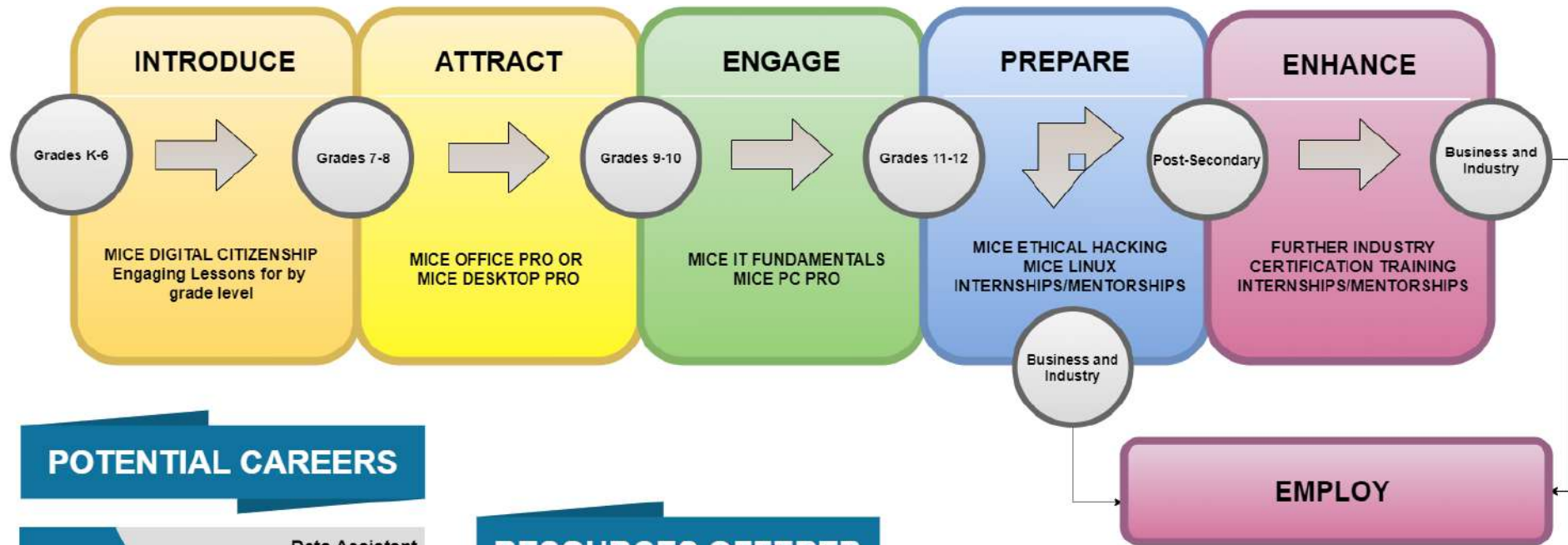
# The MICE Solution to K12/Post-secondary Cybersecurity Education

Course	Standards Aligned	MI CTE Program Aligned	Certification	Voucher Included
MICE Office 2016/2019	✓	✓	Microsoft Office Specialist 2019/2019 (MOS)	✓
MICE IT Fundamentals	✓	✓	TestOut ITF Pro, CompTIA ITF+	✓
MICE PC Fundamentals	✓	✓	TestOut PC Pro, CompTIA A+	✓
MICE Networking	✓	✓	TestOut Network Pro, CompTIA Network+	✓
MICE Security	✓	✓	TestOut Security Pro, CompTIA Security+	✓
MICE Linux	✓	✓	TestOut Linux Pro, CompTIA Linux+	✓
MICE Java Fundamentals I	✓	✓	AP CS A, Oracle Certified Professional: Java SE 11 Programmer I	✓
MICE Ethical Hacking	✓	✓	TestOut Ethical Hacker Pro, EcCouncil CEH	✓
MICE Cisco Networking	✓	✓	Cisco CCNA	✓
MICE Java Advanced I	✓	✓	AP CS A, Oracle Certified Professional: Java SE 11 Programmer II	✓
MICE Windows Server	✓	✓	TestOut Server Pro, Microsoft Server Admin	✓
MICE Employability Skills	✓	✓	N/A	N/A

# LMS RESOURCES

- For all courses MICE provides:
  - Teacher Lecture Slides
  - Lesson Plans (Word or PDF)
  - Online Assessments
    - Objective and Application-based with teacher solutions
  - Fully Interactive Real World Labs
  - Full Data Reporting Solution
  - Grades automatically sync back to MICE LMS Gradebook
  - Full Source Code / Answer Keys
  - Additional Links to Resources
  - Accessibility Access (Full Transcript of Videos)

# Established Pipeline Development



## POTENTIAL CAREERS

**\$30,000** Data Assistant  
Degree: HS Diploma, Vocational  
Certification: Microsoft Office

**\$56,000** Office Manager  
Degree: Associate's, Bachelor's  
Certification: Microsoft Office, IT Fundamentals

**\$84,000** Security Professional  
Degree: Bachelor's  
Certification: IT Fundamentals, Certified Ethical Hacker

## RESOURCES OFFERED

TEACHER LESSONS PLANS

OBJECTIVE AND STANDARDS ALIGNMENT

SUPPORT

24/7 LMS SUPPORT AND CONSULTING

## CERTIFICATIONS

MICROSOFT OFFICE SPECIALIST

TESTOUT IT FUNDAMENTALS  
COMPTIA IT FUNDAMENTALS

TESTOUT ETHICAL HACKING PRO  
COMPTIA CERTIFIED ETHICAL HACKER



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Cybersecurity Education  
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# Industry Certification Alignment

## TestOut Course Alignments To CompTIA and EC-Council

**TestOut**  
IT  
Fundamentals  
Pro



**TestOut**  
PC  
Pro



**TestOut**  
Network  
Pro



**TestOut**  
Security  
Pro



**TestOut**  
Linux  
Pro



**TestOut**  
Server  
Pro  
2016



Cybersecurity Pathway

**TestOut**

Ethical  
Hacker  
Pro



**EC-Council**



Updated 4-9-2019

# COMPARISON

## MICE

- \$150/per student for 10 Courses (including Certification Vouchers)
- Free Virtual/On-site Educator Trainings
- Tier-Based Bulk Pricing
- Cisco Networking Academy - Free Course Options
- Enterprise Level Canvas LMS
- Virtual Internship Platform
- K-5 Digital Citizenship Curriculum

## OTHERS

- Between \$500-\$3,500 per student per course (vouchers NOT included)
- Training at a Cost (if provided)
- Certification Vouchers are not included
- Cisco Networking Academy (courses have a cost)
- No Learning Management System



# Quarterly Spotlight Award Global Recipients – Q1 2019



MICE – United States

Ivan Lago - Spain

Orest Kostiv - Ukraine

BANA - Bulgaria

İSMEK - Turkey

Pao Tsang-Long - Taiwan

Nitin Pandey - India

Tunji Akoni - Nigeria

Ezra Ismail - Malaysia

Universidad de Privada Norte - Peru



# Global Partnership



- One of only two partners selected worldwide
- Project: Implement Cisco Networking Courses into our own Learning Management System for Global Awareness – USA and Canada

# Pipeline Partnership



CENTER FOR  
**CYBER SAFETY  
AND EDUCATION™**

## Targeted Goals

- K-5, 6-8, 9-12 Cyber Awareness
- Parent and Senior Citizen Cyber Education

# Our Reach

- Over 60 Schools in MI

- Schools in

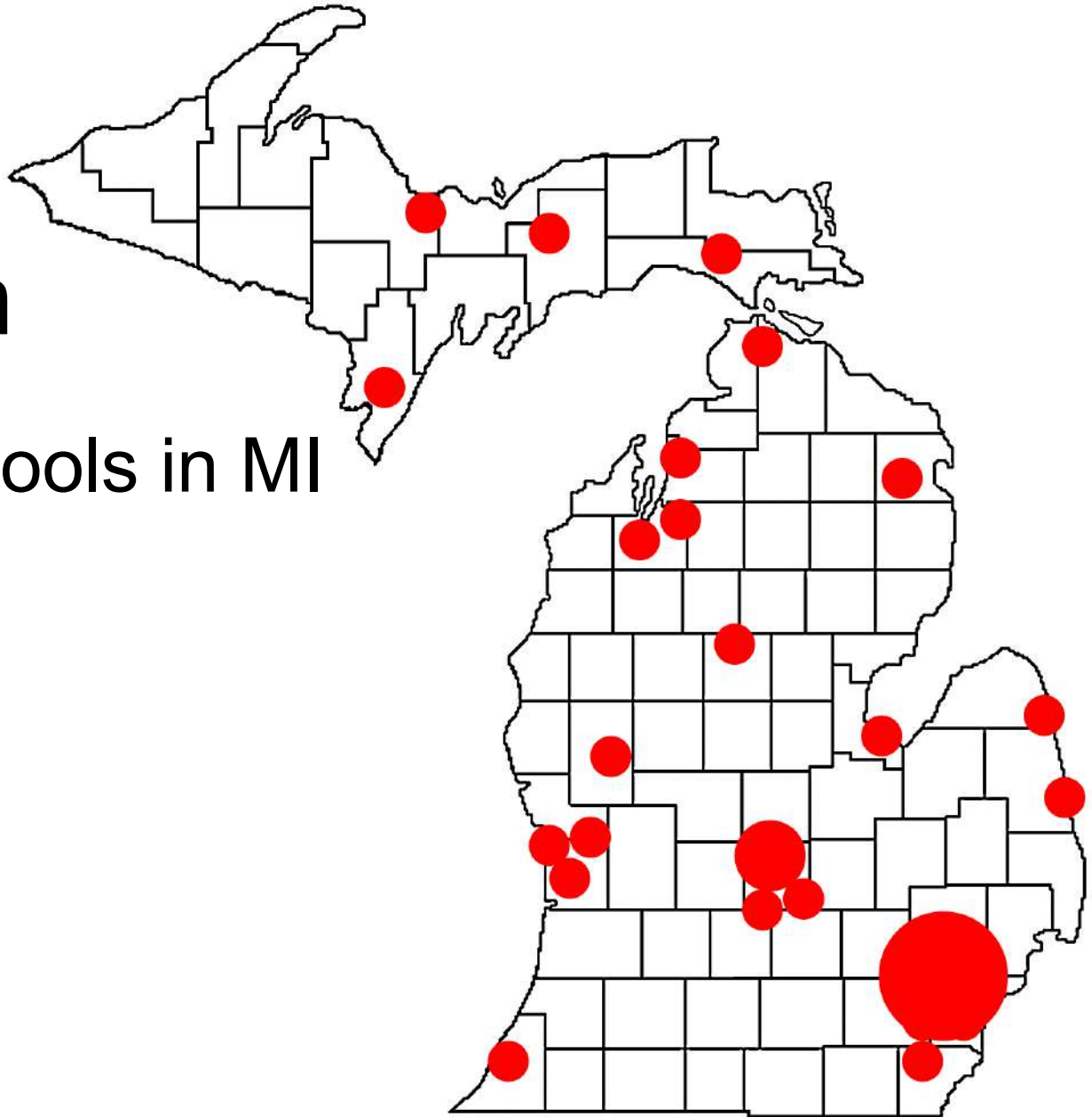
-TX

-CA

-OK

-OH

-IN



# Michigan Outcomes

**250+  
teachers  
trained**

75+ New Cisco Net  
Academies

50+ New Cybersecurity  
Programs Statewide

2000+ of Industry  
Certifications Earned by K12  
Students

# IMMEDIATE CALL FOR ACTION



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# Contact

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