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
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<tr>
<th>Course</th>
<th>Standards Aligned</th>
<th>MI CTE Program Aligned</th>
<th>Certification</th>
<th>Voucher Included</th>
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<td>MICE Employability Skills</td>
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<td>✓</td>
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<td>N/A</td>
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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

Data obtained from WIN and Indeed.com 2018

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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**
  - **Linux+**
  - **Server+**
  - **Cloud+**
- **PenTest+**
- **CSP+**
  - **EC-Council**

Cybersecurity Pathway

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

University de Privada Norte - Peru

Orest Kostiv - Ukraine

Ivan Lago - Spain

BANA - Bulgaria

İSMEK - Turkey

Tunji Akoni - Nigeria

Pao Tsang-Long - Taiwan

Nitin Pandey - India

Ezra Ismail - Malaysia
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

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

Target: Approximately 12-15K Students
MICE Statewide Expansion

- Student Scholarships
  - MICE LMS Access
  - Industry Certification Vouchers

- Business and Industry Connections
  - Online Connection Portal
  - Student Portfolios

- Teacher Scholarships
  - Teacher Training
    - On-Site, Webinars
  - Teacher Incentives
    - Kits After Training
    - Stipends

- Cybrary - Technology Repository
  - Pre-Built Lesson Plans
  - Equipment Checkout

- Education Summit
  - Best Practices
  - Exhibitor Demonstrations
  - Student Leadership Camp and Competition (CTF)

- Summer Camp
  - Three-Day Camps
  - Awareness to CTE offerings
  - Coding, Cyber, and Drones

Michigan Initiative for Cybersecurity Education
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