Credentialing at Ohio University

In the Engineering Technology and Management Department

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Create for Good.

RUSS COLLEGE OF ENGINEERING AND TECHNOLOGY

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Ohio University

- Chartered 1787
- Opened 1804
- +250 academic programs
- ~35K students across all campuses and ecampus



Engineering Technology and Management Dept

- BS Engineering Technology and Management (residential main campus) ~250 students
- BS Technical Operations Management (Online technical degree completion) ~45 students
- Certificate Project Management (bachelor level, on ground)
- Certificate Lean Six-Sigma (bachelor level, on ground)
- Certificate Technical Project Management (associate level and above, online)
- Certificate Lean Six-Sigma Methods (associate level and above, online)
- Working to bring forward a stackable MS Project Management and masters level Project Management Certificate



BS Engineering Technology and Management

Common job titles:

- Manufacturing Engineer
- Project Engineer
- Quality Engineer
- Application/Sales Engineer
- Process Engineer

Program incudes:

- Manufacturing Information Systems
- Automation and Robotics
- Manufacturing Processes
- Lean Six-Sigma Certificate
- Project Management Certificate
- Business Minor



Certification in ETM Department

Certified Manufacturing Specialist (CMS)

- CMS is a general manufacturing exam covering 16 areas
- The CMS exam offered by the Association of Technology, Management, and Applied Engineering ATMAE
- <u>All</u> BS ETM Seniors take the CMS exam in their last semester (exam paid for by an ETM alumnus)
- The national pass rate for the CMS exam is ~58%
- The ETM student pass rate has been running above 80% with pass rate of 92% December 2018 and 95% December 2019



Certified Manufacturing Specialist (CMS)

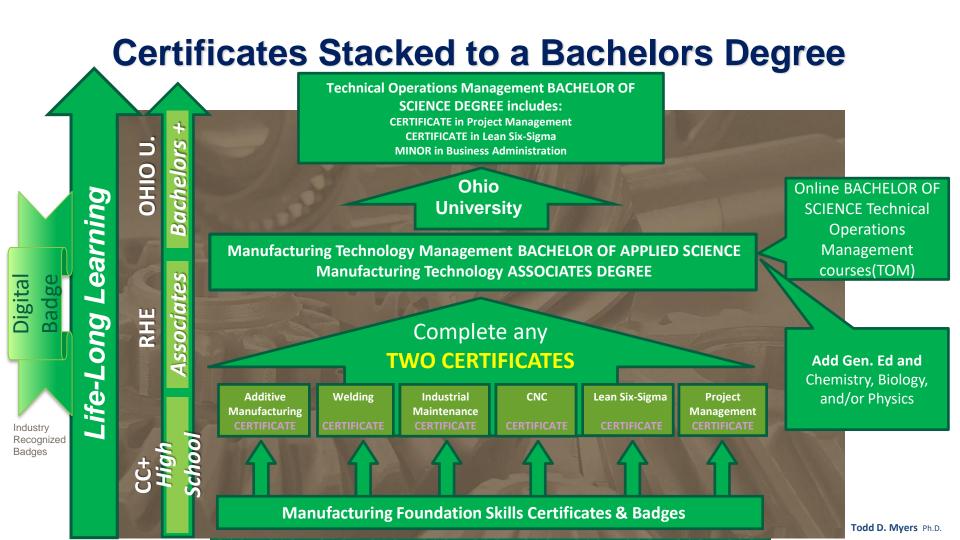
- CMS
 - Provides students and opportunity to talk about the certification in interviews
 - Provides the BS ETM program an external validation of the program
 - Provides indication to the program areas that may need strengthen through a detailed report from ATMAE indicating pass rates for specific subject areas for each testing session group



Ohio University Micro-Credentials and Badging

- Micro-credentials and Badging
- Transcribed and Non-Transcribed
- Industry or Higher Ed-driven
- Undergraduate & Graduate Certificates
- Stackable or Stand-Alone
- Certification a third-party validation of a person's level of knowledge or proficiency
- Apprenticeships some level of formal education and on the job training
- Degrees





Credentials: Perceived Barriers and Real Barriers

• Process for approval

Current process is set to approve degree programs

• Financial aid

Which credentials are eligible and which are not

- Transcript support of non-degree and micro credential Need for new system for badges and other standalone credentials
- Cost for industry recognized credential/certification
 - As part of traditional program
 - As standalone credential
- How to select a credential to offer standalone and or embed in a course

