



Visual Representation of Competencies and Skills



3 Views of Micro-Credentials



Issuing

- Symbolic representation of a skill or competency
- Micro-credential backed by evidence
- Granular and provides feedback loop



Earning

- Evidence of skill or competency
- Connected learning
- Portable, online record
- Virtual Resume



Sharing and Displaying

- Displays collection of learning
- Multiple pathways to display competencies and refinement of skills
- Relevant to local employers

2013

Investigation of Digital Badges

What and Why of Digital Badges

- Symbol of an objective measurement of competency or criteria that the student must "pass" and an alternative form of credential
- Greater value than is shown in the number of credits and/or a letter grade on a transcript

2014

Evaluation of Digital Badges

How does this fit into our Mission?

- Agreement among all 14 colleges that competencies and skills in a digital badge help an employer match an individual to skill sets needed in the workplace
- Competency which can be measured in authentic assessments, industry certifications, portfolio of work, field work in real time documentation
- The equivalent to an instructor giving a professional reference which has value
- Different entry and exit points along a career pathway
- Need to revise prior learning assessment policies and procedures

2015

Ecosystem Building

Establishing Trust and Endorsements of a NEW Micro-Credential

- Digital badges are learner focused, community centered, and industry driven.
- Focus is on competency or industry certifications while enhancing existing course competencies established in the current college common course numbering system
- Value is greater than a certain number of credits imparting value and meaning for skill or competency, no participation badges
- Outreach to independent 2/4 year colleges and universities, workforce centers and advanced manufacturing industries building digital badge awareness and value added to certificates and degrees along new and established career pathways
- Messaging of CCCS Digital Badges or Micro-credentials include:
 - capturing latent talent through recognition of specific skills, knowledge, or competencies
 - creating transparent pathways
 - building digital portfolios and academic transcripts



Empowering Lifelong Learning



Proof of Concept

Technical Math for Industry Competencies

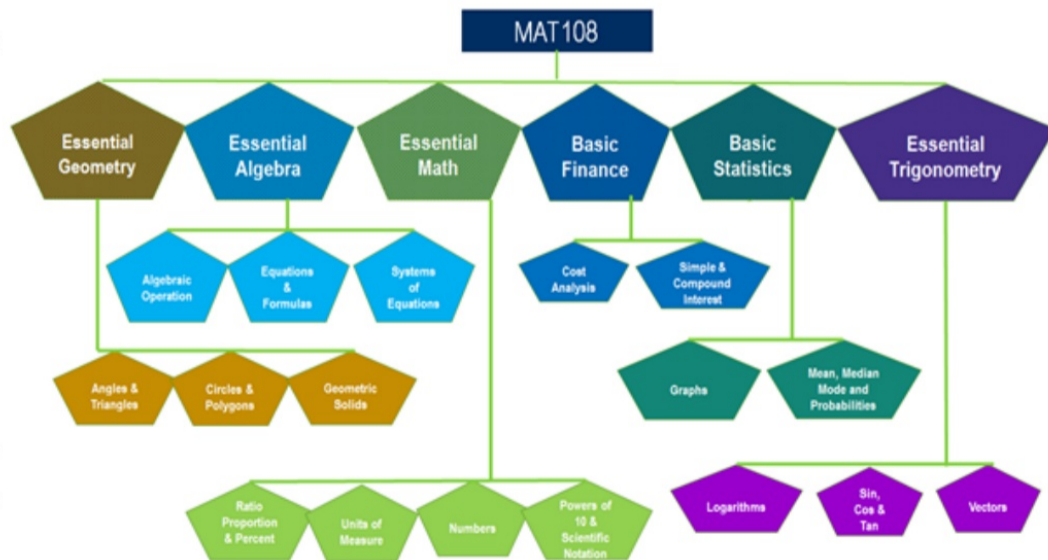
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Stackable Digital Badges

6 Mastery

17 Micro

- Help accelerate advanced manufacturing students through gatekeeper course
- Grouped math competencies into 6 distinctive mastery tracks
- Students can obtain micro-badges within a track and the attainment of all the micro-badges within a track is awarded one of the mastery badges
- Employers can view evidence of competency in essential technical math skills
- Students can show competency in micro or mastery math skills enhancing student's application for employment or further educational pathways



NIMS Credentials

59

Stackable Digital Badges

9 Mastery

50 Micro

- National Institute for Metalworking Skills has 50 credentials based on specific metal working processes and levels of competencies
- Identified credentials enable colleges to measure program performance tailored to industry's needs
- Increases employers ability to assess candidates skills most applicable to the firm's needs

- Machining Level I**
Designed to meet entry level requirements for on the job skills
- Machining Level II**
Designed to meet journey level requirements for on the job skills
- Machining Level III**
Designed to meet master level requirements for on the job skills
- Measurement, Materials & Safety
- Job Planning, Bench-work & Layout
- Manual Milling Skills I
- Turning Operations : Turning Between Centers
- Turning Operations: Turning Chucking Skills
- Grinding Skills I
- Drill Press Skills I
- CNC Turning: Programming Setup & Operations
- CNC Milling: Programming Setup & Operations
- CNC Turning: Operations
- CNC Milling: Operations
- Manual Milling Skills II
- Turning II (manual)
- Drill Press Skills II
- Grinding Skills II
- CNC Milling Skills II
- CNC Turning Skills II
- EDM-Wire
- EDM-Plunge
- CNC Turning Skills III
- CNC Milling Skills III

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