Using Digital Badges to Recognize Undergraduate Engineers’ Co-Curricular Learning

Connecting Learning Experiences
Students struggle to connect their co-curricular learning with their curricular experiences & communicate with employers.

A Critical Intersection
Where digital badges can make a difference.

Workflow to Earn & Display
- Earn
- Criteria
- Evidence
- Reflect
- Apply for a badge
- Earn

The Anatomy of a Digital Badge
- Badge name
- Description
- Criteria
- Issuer
- Evidence
- Date issued
- Standards
- Tags

Employer and Student Focus Groups
Collapsed brainstorm activities into categories using the M-STEM characteristics card.

Levels Based on Cognitive Theory
- Bloom’s Taxonomy (revised)
  - Create
  - Evaluate
  - Analyze
  - Apply
  - Understand
  - Remember
  - Beginner
  - Intermediate
  - Advanced

A Shared Online Community
What is visible: All levels for each category, who has been awarded each badge, and how many learners have applied.

Workflow to Earn & Display
- Criteria includes examples, required evidence, and reflection prompts
- Everyone within the program can view earned badges & evidence

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