

CERTIFICATION

FOR EDUCATORS

Rely on resources to enrich your curriculum.

As an educator, you are challenged to provide the education students need to begin successful careers in manufacturing and related fields. By incorporating certifications and assessments into your curriculum, you can determine if students achieve the intended learning outcome.

The benefits of certification and assessments.

You can utilize certifications and assessments to add value to your course and help align it to current industry needs.

- Provides objective measurement against program objectives for grants and funding approval.
- Supports ABET or other accreditation requirements for measuring learning outcomes.
- Improves understanding of knowledge transfer from you to your classroom.
- Identifies strengths and weaknesses within your curriculum program.
- Enables you to evaluate future curriculum content decisions.
- Establishes trends over time to identify how curriculum changes directly affect the exam's outcome.
- Gives students a credential from day one as they start new careers.
- Helps students build qualifications for future roles and prepare for careers in the industry.

Programs

Certified Manufacturing Technologist (CMfgT)

This is an effective outcome assessment tool for four-year manufacturing and engineering technology programs. Use this tool to ensure successful knowledge transfer and to provide your students with an entry-level career credential upon passing the exam. sme.org/CMfgT

"We have been using the CMfgT exam for years at Wentworth Institute of Technology. The exam is an excellent tool in our ABET accreditation efforts. Our students enjoy the challenge of preparing for a rigorous exam and it works wonders with the esprit de corps of our SME student section. We appreciate the hard work that goes into maintaining such an excellent exam process."

Peter Rourke, CMfgE
Wentworth Institute of Technology

Lean Knowledge Certificate

Incorporate the Lean Bronze exam as an outcome assessment for your curriculum and provide students with the opportunity to establish their lean knowledge. Passing the exam provides your students with a Lean Knowledge Certificate (not a certification), which is a first step toward earning a Lean Bronze Certification. sme.org/educators



Electrical/Electronic Engineering Technology (EET)

This outcome assessment tool answers the need for a comprehensive, nationally normed exam that provides a valid assessment of the cumulative knowledge of students completing an EET program. The EET outcome assessment is endorsed and developed by SME, the Electrical/Electronics Department Heads Association (ECETHDA), and the Institute of Electrical and Electronics Engineers (IEEE) to document trends in student performance, evaluate program curriculum, and support accreditation requirements. sme.org/eet

"You shouldn't need to sell the CMfgT exam, people should be lining up to take it. Having this certification on my resume probably landed me more interviews than just listing my college degree. Companies seem to put less emphasis on graduating college. They want to know what you did in college. This is one of the most marketable things that I did."

Chad Crumley, CMfgT
Graduate, Wentworth Institute of Technology

Green Manufacturing Specialist Certificate

SME, along with the Purdue University Technical Assistance Program (TAP), offers this assessment for students to obtain a Green Manufacturing Specialist Certificate. Use it to add sustainability to your curriculum for students who want specialized manufacturing skills. sme.org/green

To get started, call us at 866.706.8665 or email info@toolingu.com. We will work with you to develop a customized plan and provide recommendations to complement your program. sme.org/educators