

# GREEN MANUFACTURING SPECIALIST CERTIFICATE



**PURDUE**  
UNIVERSITY  
TECHNICAL ASSISTANCE  
PROGRAM

## GREEN YOURSELF INTO MANUFACTURING'S FUTURE



Are you employed in the renewable energy industry such as solar panels or wind turbine manufacturing? Are you a former auto machinist, welder or fabricator? Nearly every manufacturing employee can benefit from green job training – how to do their job in a more eco-friendly way. Green manufacturing starts with the design process and an assessment as to whether each step in the process meets the “green” standards.

SME, along with the Purdue University Technical Assistance Program (TAP) developed the green outcome assessment that candidates can take to obtain the Green Manufacturing Specialist Certificate. The exam is open to all education and training providers.



The collaboration between SME and Purdue is a 3-level training program where participants earn an SME Green Manufacturing Specialist certificate at the final level of the instruction process with an endorsement through the Society of Manufacturing Engineers. The curriculum focuses on such topics as sustainable manufacturing, energy efficiency, water conservation, reuse and recycling, designing for the environment and how different pollutants affect the environment.

The certificate to put you on that success path is in place today.

RENEW

REUSE

RECYCLE

REDUCE

## WHO?

Candidates that take the certification exam fall into some or all of these areas:

- Candidates that would like to assess their green knowledge.
- Candidates who have taken the Purdue TAP Green Specialist Module training workshops.
- Candidates that complete the 3 day Purdue TAP Green Specialist Certificate Exam Preparation workshop.
- Colleges/universities needing outcome assessment.

## WHAT?

Topics you will cover in studying for the specialist certificate:

- Sustainability & Global Conditions
- Material and Solid Waste Management
- Energy Management
- Chemical Waste Management /Green Chemistry
- Climate/Air Emissions Management
- Supply Water/Wastewater Management
- Environmental Business Management

## HOW?

The Body of Knowledge (BOK) outlines what a candidate should "know" to integrate green into their jobs. It was developed as the foundation for the Purdue TAP Green Enterprise Development Program and the SME Green Manufacturing Specialist certificate. The BOK was validated by SME through a survey of industry sustainability experts and covers seven topical areas of study.

## WHY?

Because examinees that pass the test, (cut score is 70%) will receive a Green Manufacturing Specialist Certificate, score report and letter. This certificate is validated proof of your green knowledge.

## WHEN?

Now. There's no better time to be involved with Green manufacturing. Being proactive in developing products with a minimal environmental impact is good for your career, your company and the planet. Everyone wins!

No other program offers validation that a student has a comprehensive understanding of the many topics that comprise sustainable manufacturing. This is valuable to potential employers and by extension to students.

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**SME Green Manufacturing Specialist Certificate**  
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**Society of  
Manufacturing  
Engineers**

**Purdue University Technical Assistance Program**  
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