

Digital Manufacturing Professional Certificate Program



**Improving Operations Through
Smart Manufacturing**

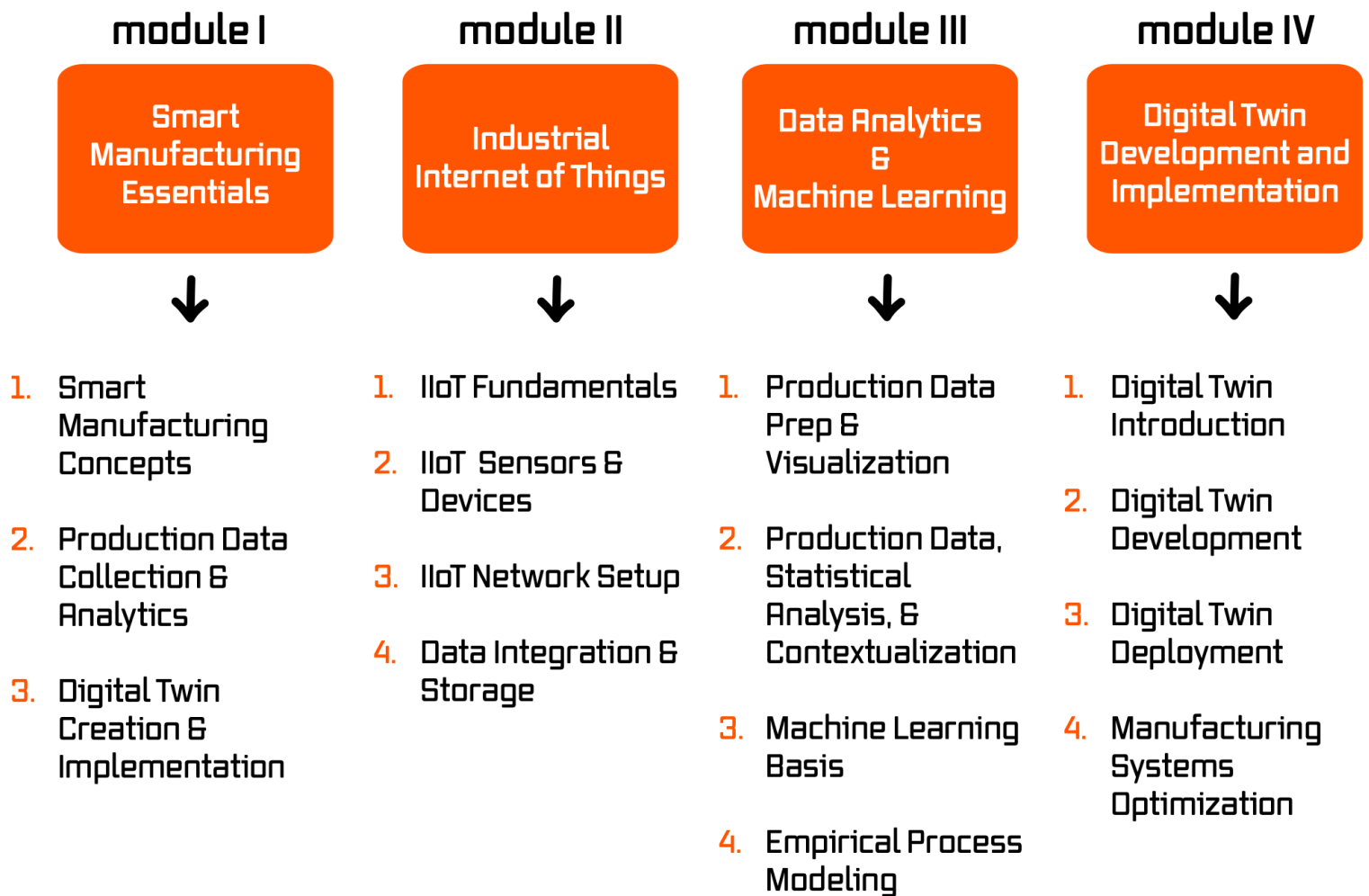
Digital Manufacturing Series: Level 3



This program is designed for manufacturing professionals with technical backgrounds in engineering, manufacturing, and data technology, holding positions like technical managers, engineers, or specialists responsible for product/service development in manufacturing.

Participants can choose to complete the online Introduction to Smart Manufacturing Essentials (Module 1), or complete all four modules for in-depth understanding and certification (Modules 2-4 held in person at the Digital Foundry).

Those who attend Module 1 can also register for Modules 2-4 and will receive a discount code to subtract the cost of Module 1 from registration of the full course (all modules).



Course Outcomes:

- Understand Smart Manufacturing concepts and benefits
- Identify and visualize production data
- Explore IIoT technologies and processes
- Apply advanced sensors and data applications for better insights into your operations
- Analyze production data to move from reactive to predictive decision-making
- Develop machine learning techniques and models
- Recognize, develop and use digital twins for optimization, monitoring and processes and to predict behavior of a physical system

Earn a Digital Manufacturing Professional Certificate (5 CEUs) upon completion of all modules from Penn State, which is also recognized for Professional Engineering (PE) certification.

Upon successful completion of individual modules, certificates of completion will also be awarded.

"This was a very informative course. I learned a lot and have a number of new ideas to take back to my company."

- Ron, Digital Manufacturing Professional
certificate program participant

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Today**



For questions about the course, please contact
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For assistance with registration, please contact
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