

INTRODUCTION TO INDUSTRIAL ADDITIVE MANUFACTURING

Jumpstart your career in engineering through additive manufacturing

- » This course will empower students with cutting-edge knowledge and skills in the rapidly evolving field of additive manufacturing (also known as 3D printing).
- » Our mission is to foster innovation and prepare the next generation of engineers and designers to leverage the transformative potential of additive manufacturing technologies through practical hands-on software training and comprehensive theoretical instruction.
- » This course will teach the fundamental processes and software skills, with hands-on learning of a specific AM software package that students can leverage to obtain internships or early career positions in the field.

MEET THE EXPERTS



- » David Pierick, MS, Antonio Paesano, Ph.D and Steve Corzyk bring over 50+ years experience in the engineering industry across multiple sectors within the industry.
- » With experience in materials science and engineering, engineering materials, innovation and design, plastics, polymer engineering, and more, these individuals bring valuable real-world experience to your learning.
- » These individuals have served in many additive leadership positions, including positions at General Atomics, Hewlett Packard (HP), Boeing, General Motors, DOW, University of Delaware, and 3M Company, including authoring “Handbook for Sustainable Polymers for Additive Manufacturing.”
- » Prerequisites: UC Merced Engineering students are required to have completed 60 semester units or more to be in 3rd or 4th standing to enroll.

LEARNING MODULES INCLUDE:

BUILD INDUSTRY AWARENESS, INCLUDING THE 7 FAMILIES OF AM PROCESSES

DEVELOP SKILLS REQUIRED FOR EARLY-STAGE AM ENGINEERING POSITIONS

COMPARE AND CONTRAST AM PROCESSES TO TRADITIONAL MANUFACTURING METHODS

APPLY DESIGN CHANGES TO OPTIMIZE THE DESIGN FOR AM (DfAM). PREPARE AND PRINT AM DESIGN FILES

DEVELOP COLLABORATIVE AND PROFESSIONAL SKILLSETS REQUIRED OF ENGINEERS IN THE INDUSTRY

This course is approved to satisfy your Technical Elective degree requirement. See your Academic Advisor for more information.

COURSE INFORMATION

TITLE:	ME X408 Introduction to Industrial Additive Manufacturing
DATES/TIMES:	Tuesdays/Thursdays, June 18 - Aug. 22, 2024; 5:30-7:00 PM
LOCATION:	Online, Live Synchronous via Zoom
COST:	\$995 (financial aid does not apply)*
REGISTER NOW:	https://ucm.edu/uoCz7j



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