ADDITIVE MANUFACTURING ENGINEERING

Official Certificate Program



Central's Additive Manufacturing Official Certificate Program (OCP) provides students with the skills and knowledge needed to take advantage of the transformative additive manufacturing processes.

Students examine various technologies in use today to understand the pros and cons of each and their application.

Program Features

- 12-credit program
- Attend part-time
- Classes offered on-campus and online
- Can be completed in 8 months
- No GMAT/GRE required

Curriculum

Students in the Additive Manufacturing Engineering OCP are required to complete 4 core courses for a total of 12 credits.

- Engineering Optimization
- Materials Engineering of Additive Manufacturing
- Design and Analysis of Additive Manufacturing
- Engineering of Additive Manufacturing Processes

CENTRAL CONNECTICUT STATE UNIVERSITY

ccsu.edu/grad | 860.832.2350 | graduateadmissions@ccsu.edu

ADDITIVE MANUFACTURING ENGINEERING

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What You'll Gain

- Ability to use computational methods, skills, computers, and modern technical tools to solve problems in additive manufacturing
- Ability to identify, formulate, and solve technical problems in additive manufacturing using engineering analysis
- Ability to design an optimized component that meets the desired needs, and to evaluate and modify the optimal design based on thorough knowledge of additive manufacturing capabilities
- Knowledge of contemporary issues and understanding of the impact of engineering/ technical solutions within a global perspective
- Ability to communicate effectively in oral, written, visual, and graphical modes

DID YOU KNOW?

The median annual pay for materials engineers was $95,000 in May of 2020.

Source: bls.gov

PROGRAM WEBSITE

Applying for Admission

For consideration, applicants must submit the following:

1. A completed online application with supplemental materials (ccsu.edu/apply):
   - Current resume (optional)
2. Official undergraduate and graduate transcripts from a regionally accredited institution of higher education (GPA of 3.00 or higher)
   - Applicants must hold a four-year Bachelor of Science degree in Mechanical Engineering from an ABET accredited program
   - Applicants who hold a four-year Bachelor of Science degree in a different Engineering specialty must complete the necessary prerequisite foundation courses, or their equivalents
   - Foundation course subjects include: Mathematics, Chemistry, Physics, Engineering Materials, and Mechanical Engineering

Official transcripts may be sent directly to the Graduate Recruitment & Admissions Office:

By Mail: Central Connecticut State University
Graduate Recruitment & Admissions Office
1615 Stanley Street
Davidson Hall 116
New Britain, CT 06050

By Email: graduateadmissions@ccsu.edu

ABOUT CENTRAL:
Central Connecticut State University is the largest university within the Connecticut State Colleges and Universities system. Founded in 1849, Central is also the state's oldest publicly funded university. Our campus is located in New Britain, Connecticut. Central is accredited by the New England Commission of Higher Education (NECHE).



10/22

Information is subject to change. Please visit our website or contact graduate admissions for the most up to date information.