

MASTER OF ENGINEERING, PLAN C, ADVANCED MANUFACTURING SPECIALIZATION

The Master of Engineering, Plan C, Advanced Manufacturing Specialization is an on-campus or online degree program focused on providing students with the competencies, skills, and experience to advance in careers in a manufacturing industry. The curriculum includes subjects in manufacturing processes and process control, factory systems and supply chains, business fundamentals and the product development process. This is a coursework-only degree program with no thesis requirement.

[Students interested in graduate work should refer to the Graduate and Professional Bulletin \(https://catalog.colostate.edu/general-catalog/graduate-bulletin/\).](https://catalog.colostate.edu/general-catalog/graduate-bulletin/)

Learning Objectives

Students will:

1. Execute a wide range of activities inherent in the design and manufacture of world-class products, including designing products, selecting materials, determining and applying manufacturing processes and systems design, and validating products.
2. Remain abreast of and effectively execute advanced manufacturing and design technology as it evolves, including CAD/CAM/CAE and state of the art manufacturing machinery, tools, and equipment.
3. Integrate different manufacturing processes into an effective system for producing goods that can compete in the world market. This includes scheduling production, managing inventory, utilizing information systems, and creating system simulations.