

GRADUATE CERTIFICATE IN MANUFACTURING ENGINEERING

The Graduate Certificate in Manufacturing Engineering requires students to complete 12 graduate credits (4 courses). Courses must be approved by the student's faculty advisor and/or the department chair.

There are two compulsory courses: ENMF 506 and ENMF 608. Students may choose up to two (2) specific industry courses offered during the summer semesters. These summer courses are subject to change based on availability.

Admission is required by formal application through the Office of Graduate Admissions. A four-year undergraduate degree in engineering from an ABET-EAC accredited school with a GPA of 3.0 or higher is required.

Curriculum requirements for the Graduate Certificate in Manufacturing Engineering

Code	Title	Hours
Required Courses		
ENMF 506	Quality Management and Six Sigma	3
ENMF 608	Manufacturing Systems Design and Economics	3
Choose two courses from the following:		6
ENMF 604	Precision Control and Automated Manufacturing	
ENMF 605	3D Modeling for Manufacturing Industries	
ENMF 606	Bio-Engineered Products	
ENMF 607	Advanced Applied Chemical Process Engineering	
ENMF 609	Preventative Maintenance and Reliability Engineering	
ENMF 610	Engineering Analysis and Simulation	
Total Hours		12