



College of Engineering

Declaration of Concentration in Manufacturing Engineering

Return completed form to ENG Undergraduate Records Office, 44 Cummington Street, Room 108.

Student Name: _____ BU I D# _____

Dept/Major: _____ Email Address: _____

Advisor: _____ Expected Date of Graduation: _____

Instructions: Mechanical Engineering students declaring a Concentration in Manufacturing Engineering should complete this form, obtain the signature of their Faculty Advisor below, and submit this form to the Undergraduate Records Office, 44 Cummington Street, Room 108 for processing. Please read the requirements for the concentration indicated on the reverse of this form.

PROPOSED COURSES FOR CONCENTRATION	CREDITS	SATISFIES (Major Requirement)	OFFICE USE ONLY	
			Sem/Yr	Grade
REQUIRED COURSES				
1. ENG EK 156 – Design in Manufacturing	2.0	Core Elective		
2. ENG ME 345 – Automated Manufacturing	4.0	Advanced Elective		
3. ENG EK 409 – Engineering Economy	4.0	Advanced Elective		
4. ENG ME 415 – Product Design	4.0	Advanced Elective		
5. ENG ME 420 – Supply Chain Engineering	4.0	Advanced Elective		
PROJECT *				
	0			
Total credits for Concentration:		18.0		

* In addition to the courses listed above, the Manufacturing Engineering Concentration requires a Manufacturing Project. A senior design project, laboratory research, industrial internship or a directed study can satisfy this requirement. A separate **Project Approval Form** is required and can be attached to this form or submitted separately.

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ Date: _____

Office Use Only

Hegis code

Records Office Verification

Date posted on UIS

Requirements for a Concentration in Manufacturing Engineering

The concentration in Manufacturing Engineering can be earned by any student within the Department of Mechanical Engineering by fulfilling the following requirements:

1. A sequence of five required courses (18 cr):

Required Courses:

ENG EK 156 – Design in Manufacturing – 2 cr
ENG ME 345 – Automated MFG – 4 cr
ENG EK 409 – Engineering Economy – 4 cr
ENG ME 415 – Product Design – 4 cr
ENG ME 420 – Supply Chain Engineering – 4 cr

2. **Experiential Project Requirement:** Completion of a well-defined project in the manufacturing area. A senior design project, laboratory research, industrial internship or a directed study can satisfy this requirement. This requirement must be approved by submitting the appropriate approval form to the Undergraduate Records Office. After completion of the proposed project, a written summary of the project must also be submitted for approval (see Project Approval form for more information).
3. Students must have a major of Mechanical Engineering with a Concentration of Manufacturing Engineering officially declared with the Undergraduate Records Office no later than October 1st of the first semester of the senior year.