

Manufacturing Engineering Technology degree map

Semester 1	16 cr	Semester 2	15 cr
MATH 112 Algebra -3 (LE-4)		MATH 211 Applied Calculus I -3 or MATH 221	
GENG 101 Intro to Engineering -3 (LE-9)		ENGL 191 Rhetorical & Analytical Writing -4 (LE-1)	
CMST 192 Intro Communication -3 (LE-1)		PHYS 231 General Physics -4 (LE-3)	
CHEM 210 General Chemistry I -4 (LE-3)		ETS 156 Intro Env & Tech Studies -1	
MFET 115 Engineering Communications -3		MFET 312 Computer-Aided Design -3	
Semester 3	15 cr	Semester 4	14 cr
GENG 102 Engg Problem Solving -3		ETS 183 Tech & Third World -3 (LE-5,8, D)	
ETS 260 Environmental Studies -3 (LE-10)		MFET 242 Thermo/Fluids -3	
MFET 240 Metrology -2		MFET 243 Strength of Materials -3	
MFET 241 Statics/Dynamics -3		STAT 239 Statistics for Physical Sciences -3	
MFET 345 Manufacturing Processes -3		Technical Elective -3	
Semester 5	15 cr	Semester 6	15 cr
Liberal Ed Elective -3 (LE-2)		MFET 340 Continuous Improvement -3	
MFET 314 Design for Manufacturability -3		MFET 348 Plastics Manufacturing -3	
MFET 343 Computer Integrated Mfg -3		GENG 360 Engineering Economics -2	
ECON 205 or 206 -3 (LE-5)		GENG 380 Engineering Communication -2	
Technical Elective -3		Technical Elective -3	
		Technical Elective -2	
Semester 7	15 cr	Semester 8	15 cr
Liberal Ed Elective -3 (LE-6, D)		Liberal Ed Elective -3 (only 1 option) (LE-6,7, D)	
MFET 440 Production Systems Control -3		MFET 446 Mfg Concepts -3	
MFET 448 Composite Materials -3		MFET 471 Capstone -3	
MFET 470 Capstone -3		Technical Elective -3	
Technical Elective -3		Technical Elective -3	

Technical Electives:

20 credits of technical electives are required. See advisor for options.

Liberal Education Courses

Goal Area 1 (Communication):

ENGL 191 Intro to Rhetorical & Analytical Writing (4)

CMST 192 Intro to Communication Studies (3)

Goal Area 2 (Critical Thinking):

One elective

Goal Area 3 (Natural sciences):

CHEM 210 General Chemistry 1 (4)

PHYS 231 General Physics I (4)

Goal Area 4 (Mathematical/Logical Reasoning):

MATH 211 Applied Calculus I (3) or **MATH 221** Calculus I

Goal Area 5 (History and the Social and Behavioral Sciences):

ETS 183 Technology and Third World Development (3)

ECON 205 Principles of Macroeconomics or **ECON 206** Principles of Microeconomics (3)

Goal Area 6 (The Humanities and Fine Arts):

Two electives

Goal Area 7 (Human Diversity):

One elective

Goal Area 8 (Global Perspectives):

ETS 183 Technology and Third World Development (3)

Goal Area 9 (Ethical and Civic Responsibility):

GENG 101 Ethics and the Engineering Profession (3)

Goal Area 10 (People and the Environment):

ETS 260 Introduction to Environmental Studies (3)