

**Metropolitan State University of Denver**  
**Mechanical Engineering Technology Major, B.S.: Manufacturing Concentration**  
**Minor (not required):**  
**Fall 2014 catalog year**

First Year	Suggested Course Plan
<b>Fall: 16 credits</b>	MET 1000 (3) Introduction to Mechanical Engineering Technology (F, S) <b>OR</b>
	MET 1040 (3) Introduction to Engineering (F,S)
	MET 1010 (3) Manufacturing Processes (F, S)
	MET 1200 (3) Technical Drawing I (F, S)
	MTH 1400 (4) Pre-Calculus (F, S, Su)
	ENG 1010 (3) Composing Arguments (F, S, Su)
<b>Spring: 17 credits</b>	MET 1210 (3) 3D Modeling (F, S)
	MET 1310 (3) Principles of Quality Assurance (F, S)
	SPE 1010 (3) Public Speaking (F, S, Su)
	CHE 1800 (4) General Chemistry I (F, S, Su)
	MTH 1410 (4) Calculus I (F, S, Su)

Second Year	Suggested Course Plan
<b>Fall: 18 credits</b>	MET 2200 (3) Materials of Engineering (F, S)
	ENG 1020 (3) Freshman Composition: Analysis, Research, & Documentation (F, S, Su)
	MTH 2410 (4) Calculus II (F, S, Su)
	PHY 2311 (4) General Physics I AND PHY 2321 (1) General Physics I Laboratory (F, S, Su)
	EET 2350 (3) Advanced Technical Programming
<b>Spring: 17 credits</b>	CET 2150 (3) Mechanics I-Statics (F, S)
	COM 2610 (3) Introduction to Technical Writing (F, S, Su)
	ECO 2020 (3) Principles of Microeconomics (F, S, Su)
	PHY 2331 (4) General Physics II AND PHY 2341 (1) General Physics II Laboratory (F, S, Su)
	PHI 1030 (3) Introduction to Ethics (F, S, Su) <b>OR</b>
	PHI 3360 (3) Business Ethics

Third Year	Suggested Course Plan
<b>Fall: 16 credits</b>	CET 3135 (4) Mechanics of Materials with Laboratory (F, S)
	MET 3110 (3) Thermodynamics (F)
	MET 3160 (3) Mechanics II-Dynamics (F)
	EET 2000 (3) Electric Circuits and Machines (F)
	Historical (3) HIS 1150, 1920, 3090, 3570, or 3580 are recommended (multicultural) (F, S, Su)
<b>Spring: 13 credits</b>	MET 3100 (3) N/C Computer Programming (S)
	MET 3185 (3) Fluid Mechanics I (S) (Students can take MET 390M until curriculum changes)
	MET 3410 (3) Geometric Dimensioning & Tolerancing (F, S)
	EET 3010 (4) Industrial Electronics (S) <b>OR</b> EET 3730 (2) Process Control Systems <b>AND</b> EET 3740 (2) Programmable Logic Controllers

Fourth Year	Suggested Course Plan
<b>Fall: 17 credits</b>	MET 3000 (4) Manufacturing Analysis (F)
	MET 3250 (3) Tool Design & Production Tooling (F)
	MET 3330 (3) Robotics for Manufacturing (F)
	MET 4000 (3) Project Engineering (F)
	Arts and Humanities (3)
	MET 4100 (1) Senior I (Senior Experience)
<b>Spring: 14 credits</b>	MET 3300 (3) Statistical Process Control (S)
	MET 4080 (3) Computer Aided Manufacturing (S)
	MET 4110 (2) Senior II (Senior Experience)
	MET upper-division elective (3)
	Social and Behavioral Science I (3) IND 2810 is recommended (Global Diversity) (F, S, Su)