

**Metropolitan State University of Denver**  
**Mechanical Engineering Technology, B.S.: Mechanical 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 <b>(F, S)</b> <b>OR</b> MET 1040 (3) Introduction to Engineering <b>(F, S)</b>
	MET 1010 (3) Manufacturing Processes <b>(F, S)</b>
	MET 1200 (3) Technical Drawing I <b>(F, S)</b>
	MTH 1400 (4) Pre-Calculus <b>(F, S, Su)</b>
	ENG 1010 (3) Composing Arguments <b>(F, S, Su)</b>
<b>Spring: 17 credits</b>	MET 1210 (3) 3D Modeling <b>(F, S)</b>
	MET 1310 (3) Principles of Quality Assurance <b>(F, S)</b>
	SPE 1010 (3) Public Speaking <b>(F, S, Su)</b>
	CHE 1800 (4) General Chemistry I <b>(F, S, Su)</b>
	MTH 1410 (4) Calculus I <b>(F, S, Su)</b>

Second Year	Suggested Course Plan
<b>Fall: 15 credits</b>	MET 2200 (3) Materials of Engineering <b>(F, S)</b>
	ENG 1020 (3) Freshman Composition: Analysis, Research, & Documentation <b>(F, S, Su)</b>
	MTH 2410 (4) Calculus II <b>(F, S, Su)</b>
	PHY 2311 (4) General Physics I AND PHY 2321 (1) General Physics I Laboratory <b>(F, S, Su)</b>

<b>Spring: 17 credits</b>	CET 2150 (3) Mechanics I-Statics <b>(F, S)</b>
	COM 2610 (3) Introduction to Technical Writing <b>(F,S,Su)</b>
	ECO 2020 (3) Principles of Microeconomics <b>(F, S, Su)</b>
	PHY 2331 (4) General Physics II AND PHY 2341 (1) General Physics II Laboratory <b>(F, S, Su)</b>
	PHI 1030 (3) Introduction to Ethics <b>(F, S, Su)</b> <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 <b>(F,S)</b>
	MET 3110 (3) Thermodynamics <b>(F)</b>
	MET 3160 (3) Mechanics II-Dynamics <b>(F, S)</b>
	EET 2000 (3) Electric Circuits and Machines <b>(F)</b>
	Historical (3) HIS 1920, 3090, or 3590 are recommended (multicultural) <b>(F, S, Su)</b>
<b>Spring: 16 credits</b>	MET 3185 (3) Fluid Mechanics I <b>(S)</b> (Students can take MET 390M Fluid Mechanics until curriculum changes)
	MET 3410 (3) Geometric Dimensioning & Tolerancing <b>(F, S)</b>
	MET upper-division elective (3)
	EET 2350 (3) Advanced Technical Programming
	EET 3010 (4) Industrial Electronics <b>(S)</b> <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: 13 credits</b>	MET 3070 (3) Machine Design <b>(F)</b>
	MET 3125 (3) Heat Transfer with Laboratory <b>(F)</b>
	MET 4000 (3) Project Engineering <b>(F)</b>
	MET 4100 (1) Senior I (Senior Experience) Arts and Humanities (3) ARTH 1600 is recommended (global diversity) <b>(F, S, Su)</b>
<b>Spring: 17 credits</b>	MET 3320 (3) Instrumentation Laboratory <b>(S)</b>
	MET 4070 (3) Computer Aided Design <b>(S)</b> (Senior Experience)
	MET 4280 (3) Advanced Energy Technology <b>(S)</b>
	MET 4110 (2) Senior II (Senior Experience) MET upper-division elective (3)
	Social and Behavioral Science I (3) IND 2810 is recommended (Global Diversity) <b>(F, S, Su)</b>