MSU DENVER COLLEGE OF AEROSPACE, COMPUTING, ENGINEERING, AND DESIGN

Bachelor of Science, Mechanical Engineering Technology
Minor (not required)
Fall 2023 Catalog Year

First Year		
Fall: 16 Credits	Written Communication C01 - ENG 1010 Composing Arguments (Recommended)	3
	MET 1000 Introduction to Mechanical Engineering Technology **or** MET 1040 Introduction to Engineering	3
	MET 1200 Technical Drawing I	3
	MET 1010 Manufacturing Processes	3
	MTH 1400* Precalculus	4
	Total Credits	**16**
Spring: 18 Credits	Oral Communication - COMM 1010 Presentational speaking (Recommended)	3
	MET 1210 3D Modeling	3
	CHE 1100 Principles of Chemistry	4
	CHE 1150 Principles of Chemistry Lab	1
	MET 1310 Principles of Quality Assurance	3
	MTH 1410 Calculus I	4
	Total Credits	**18**

Second Year		
Fall: 18 Credits	Written Communication C02 - ENG 1020 Research and Argument writing (Recommended)	3
	MET 2200 Materials of Engineering	3
	EET 2350 Adv. Technical Programming	3
	MTH 2410 Calculus II	4
	PHY 2311 General Physics I	4
	PHY 2321 General Physics I-Lab	1
	Total Credits	**18**
Spring: 17 Credits	JMP 2610 Intro to Technical Writing	3
	Social and Behaviroal Sciences - ECO 2020 Principles of Microeconomics (Recommended)	3
	Arts and Humanities- PHI 1030 - Thinking about Ethics: Morality and the good life or PHI 3360 Bussiness Ethics (Recommended)	3
	PHY 2331 General Physics II	4
	PHY 2341 General Physics II-Lab	1
	CET 2150 Mechanics I: Statics	3
	Total Credits	**17**

Manufacturing Concentration

Third Year		
Fall: 16 Credits	CET 3135 Mechanics of Materials w/Lab	4
	MET 3110 Thermodynamics	3
	MET 3160 Mechanics II: Dynamics	3
	EET 2000 Electrical Circuits & Machines	3
	General Studies History - Global Diversity (Recommended)	3
	Total Credits	**16**
Spring: 16 Credits	MET 2010 CNC Machining & Inspection	3
	MET 3185 Fluid Mechanics	3
	MET 3410 Geometric Dimensioning & Tolerance	3
	EET 3010 Industrial Electronics **OR** EET 3730 Process Control Systems **AND** EET 3740 Programmable Logic Controllers	4
	Social and Behaviroal Sciences - IND 2810 Technology and Design: Global Perspectives (Recommended)	3
	Total Credits	**16**

Fourth Year		
Fall: 14 Credits	MET 3000 Manufacturing Analysis	4
	MET 3250 Tool Design & Production Tooling	3
	MET 3330 Robotics for Manufacturing	3
	MET 4000 Project Engineering	3
	MET 4100 Senior Project I (SE)	1
	Total Credits	**14**
Spring: 14 Credits	MET 3300 Statistical Process Control	3
	MET 4080 Computer Aided Manufacturing	3
	MET 4110 Senior Project II (SE)	2
	Approved technical elective	3
	Arts & Humanities - ESSJ (Recommended)	3
	Total Credits	**14**

Mechanical Concentration

Third Year		
Fall: 16 Credits	CET 3135 Mechanics of Materials w/Lab	4
	MET 3110 Thermodynamics	3
	MET 3160 Mechanics II: Dynamics	3
	EET 2000 Electrical Circuits & Machines	3
	General Studies History - Global Diversity (Recommended)	3
	Total Credits	**16**
Spring: 16 Credits	Social and Behaviroal Sciences - IND 2810 Technology and Design: Global Perspectives (Recommended)	3
	MET 3185 Fluid Mechanics	3
	MET 3410 Geometric Dimensioning & Tolerance	3
	EET 3010 Industrial Electronics OR EET 3730 Process Control Systems AND EET 3740 Programmable Logic Controllers	4
	Approved Technical Elective	3
	Total Credits	**16**

Fourth Year		
Fall: 13 Credits	MET 3070 Machine Design	3
	MET 3125 Heat Transfer W/Lab	3
	Approved technical elective	3
	MET 4000 Project Engineering	3
	MET 4100 Senior Project I (SE)	1
	Total Credits	**13**
Spring: 14 Credits	MET 3320 Instrumentation Lab	3
	MET 4070 Computer Aided Design	3
	MET 4110 Senior Project II (SE)	2
	MET 4280 Advanced Energy Technology	3
	Arts & Humanities - ESSJ (Recommended)	3
	Total Credits	**14**

* the sequence of MTH 1110 - College Algebra for Calculus and MTH 1120 - College Trigonometry may be substituted for MTH 1400