

NAME:
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Degree Map

CATALOG YEAR: 2026-2027

Degree: BSET

MAJOR: Engineering Technology

CONCENTRATION: Mechatronics

The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and course schedule. This document provides general direction. Course completed, Course in Progress, Course recommended for next semester

FRESHMAN YEAR

Fall	Cr. Hrs.	Spring	Cr. Hrs.
MET 1115 Intro to MET & Engr Ethics	3	MET 2000 Occupational Safety Spring Only	2
ENGR 1110 Engineering Graphics	2	MATH 1845 Technical Calculus	3
Humanities/Fine Arts Elective	3	Humanities/Fine Arts Elective	3
MATH 1730 Pre-calculus Mathematics	5	CHEM 1110 or CHEM 1010	4
ENGL 1010 Writing Composition I	3	ENGL 1020 Writing Composition II	3
Total Credit Hours	16	Total Credit Hours	15

SOPHOMORE YEAR

Fall	Cr. Hrs.	Spring	Cr. Hrs.
FIN 2000 Personal Finance	3	MET 2400 Statics & Strength of Materials (p. MATH and PHYS 2010)	3
MET 2065 Metal Manufacturing Technology (p. ENGR 1110, MET 1115, MATH)	2	PHYS 2020 or PHYS 2120	4
ENGR 1120 Programming for Engineers	2	PSY 1030 Intro to Psychology	3
PHYS 2010 or PHYS 2110	4	HIST 2020 Modern US History	3
ECON 2010 Principles of Microeconomics	3	ECON 2020 Principles of Macroeconomics	3
Total Credit Hours	14	Total Credit Hours	16

JUNIOR YEAR

Fall	Cr. Hrs.	Spring	Cr. Hrs.
MET 3100 Applied Physical Metallurgy or ME 3010 (p. MET 1115 & CHEM 1010)	3	MET 3003 Principles of Metal Casting (p. MET 1115, MET 3100 or ME 3010) co req	3
MET 3303 CAD for Technology (p. ENGR 1110)	3	ACCT 3720 Survey of Accounting	3
MET 3713 Methods Design & Work Measurement FALL ONLY (p. Junior status 60 cr)	3	MET 3403 Applied Machine Elements (p. MET 2400 & 3303)	3
MET 3200 Applied Electricity & Electronics (p. MATH 1845 or 1910 and PHYS 2020) TAKE 3 semesters before graduation	3	*MET 3270 Industrial Electronics & PLCs (p. MET 3200)	3
BMGT 3510 Management & Organizational Behavior	3	MATH 3070 Statistical Methods OR ECON 3610 Business Statistics I	3
Total Credit Hours	15	Total Credit Hours	15

SENIOR YEAR

Fall	Cr. Hrs.	Spring	Cr. Hrs.
MET 3150 Maintenance Technology	2	LAW 2810 Business Legal Environment & Ethics	3
*MET 4000 Advanced Foundry FALL ONLY or MET 4210 or MET 4990	3	HIST 2010 Early US History	3
COMM 2025 or PC 2500 Communications	3	*MET 3060 Computer Numerical Controls (p. ENGR 1120 or CSC 1300, MET 2065)	3
FIN 3210 Principles of Managerial Finance (p. ACCT 3720, ECON 2010 & 2020)	3	*MET 4220 Industrial Automation/Robotics (p. MET 3200) or MET 4210 or MET 4990	3
MKT 3400 Principles of Marketing (p. ECON 2010)	3	MET 4620 Senior Projects (p. MET 3403)	3
*MET 4250 Mechatronics (p. MET 3200)	3		
Total Credit Hours	17	Total Credit Hours	15

***Courses specific to this concentration**