		Tentative Schedule					Mechanical Engineering Area		
		2025 Spring	2025 Fall	2026 Spring	2026 Fall	2027 Spring	Mechanical System Design	Thermal System Design	Mechatronic System Design
ME 110	Manufacturing Processes		1		1		****	**	**
ME 136	Design for Manufacturability	1		1		1	***	*	*
ME 149	Engineering Acoustics	1			1		**	**	**
ME 160	Introduction to Finite Element Method	1		1		1	***	***	*
ME 165	Computer-Aided Design in ME	1	1	1	1	1	***	*	*
ME 170	Solar Energy Engineering			1			*	**	*
ME 171	Energy Management in Manufacturing		1		1		*	***	*
ME 172	Alternative and Renewable Energy Resources	1				1	*	**	*
ME 181	Fundamentals of Biosensors		1				*	*	**
ME 183	HVAC Systems Design	1		1		1	*	***	*
ME 187	Automatic Control Systems Design	1		1		1	*	**	***
ME 192	Robotics and Manufacturing Systems		1		1		*	*	***

200-level ME classes (except ME 201) will count as technical electives.

Below are some courses from other departments that have been accepted as technical electives for BSME candidates. Any non-ME elective, however, must be approved by a BSME advisor. Typically only one non-ME course would be approved and the other elective would have to be selected from ME courses. Lower-division courses cannot count towards technical electives.

AE 114 - Aerospace Structures	CMPE 125 - Digital Design II
AE 167 - Aerospace Propulsion	CMPE 120 - Computer Organization and Architecture
ISE 102 - Engineering Economic Systems	CMPE 126 - Algorithms and Data Structure Design
ISE 130 - Engineering Probability and Statistics	MATE 131 - Fundamentals of Additive Manufacturing
ISE 151 - Managing Engineering	MATE 153 - Electric, Optical, and Magnetic Properties
CE 170 - Principles of Environmental Engineering	MATE 175 - Biomaterials
CHE 162 - Engineering Statistics and Analysis	MATH 133B Partial Differential Equations
CMPE 102 - Fundamentals of Embedded Software	MATH 161A - Probability and Statistics
CMPE 124 - Digital Design I	MATH 178 - Mathmatical Modeling
BME 165 - Applied Engineering Biomechanics	ENGR 197 - Co-operative Education Project
CE 150 - Introduction to Hydrology and Hydraulics	EE/MATE 129 - Introduction to Integrated Circuits Processing and Design

Required: ****

Highly Recommended: ***

Recommended: **

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