

		Tentative Schedule					Mechanical Engineering Area		
		2023 Spring	2023 Fall	2024 Spring	2024 Fall	2025 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	Canc.		1		1	**	**	**
ME 160	Introduction to Finite Element Method	1		1		1	***	***	*
ME 165	Computer-Aided Design in Mechanical Engineering	1	1	1	1	1	***	*	*
ME 167	Introduction to Engineering Biomechanics						*	*	*
ME 170	Solar Energy Engineering			1			*	**	*
ME 171	Energy Management in Manufacturing		1		1		*	***	*
ME 172	Alternative and Renewable Energy Resources					1	*	**	*
ME 181	Fundamentals of Biosensors	1				1	*	*	**
ME 183	HVAC Systems Design	1		1		1	*	***	*
ME 185	Hybrid and Electric Vehicle Fundamentals	Canc.					*	*	*
ME 187	Automatic Control Systems Design	1		1		1	*	**	***
ME 189	Design and Manufacture of Microsystems						*	*	***
ME 192	Robotics and Manufacturing Systems		1		1		*	*	***

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

AE 114 - Aerospace Structures	CMPE 125 - Digital Design II
AE 140 - Rigid Body Dynamics	CMPE 120 - Computer Organization and Architecture
AE 169 - Computational Fluid Dynamics	CMPE 126 - Algorithms and Data Structure Design
ISE 102 - Engineering Economic Systems	MATE 131 - Fundamentals of Additive Manufacturing
ISE 130 - Engineering Probability and Statistics	MATE 153 - Electric, Optical, and Magnetic Properties
ISE 151 - Managing Engineering	MATE 175 - Biomaterials
CE 170 - Principles of Environmental Engineering	MATH 133B Partial Differential Equations
CHE 162 - Engineering Statistics and Analysis	MATH 161A - Probability and Statistics
CMPE 102 - Fundamentals of Embedded Software	MATH 178 - Mathematical Modeling*
CMPE 124 - Digital Design I	

Required: ****
Highly Recommended: ***
Recommended: **

**Last revision
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