

ME Technical Elective Courses Schedule

Semester	Group 1	Group 2
Fall 2019	ME 42700 Sustainable Energy Sources & Systems	ME 49800 Research in Mech. Engineering
	ME 48000 Finite Element Analysis	MET 33500 Basic Machining
	ME 54700 Mechatronics, Robotics, & Automation	SE 53000 Systems Engineering Management
	ME 55000 Advanced Stress Analysis	STAT 51100 Statistical Methods
Spring 2020	ME 42400 Design & Opt. of Thermal Systems	CS 38400 Numerical Analysis
	ME 47100 Vibration Analysis	ME 49800 Research in Mech. Engineering
	ME 43200 Manufacturing Processes	MET 33500 Basic Machining
	ME 50500 Intermediate Heat Transfer	STAT 51100 Statistical Methods
	ME 54500 FEA: Adv. Theory & Applications	
Fall 2020	ME 42700 Sustainable Energy Sources & Systems	ME 49800 Research in Mech. Engineering
	ME 48000 Finite Element Analysis	MET 33500 Basic Machining
	ME 54400 Modeling & Simulation of Mechanical Engineering Systems	SE 55000 Adv. Manuf. Systems & Processes
	ME 55000 Advanced Stress Analysis	STAT 51100 Statistical Methods
Spring 2021	ME 42100 Heating and Air Conditioning I	CS 38400 Numerical Analysis
	ME 43200 Manufacturing Processes	ME 49800 Research in Mech. Engineering
	ME 47100 Vibration Analysis	MET 33500 Basic Machining
	ME 50500 Intermediate Heat Transfer	SE 52000 Engineering Economics
	ME 54600 CAD/CAM Theory and Advanced Applications	STAT 51100 Statistical Methods
Fall 2021	ME 42400 Design & Opt. of Thermal Systems	ME 49800 Research in Mech. Engineering
	ME 48000 Finite Element Analysis ME 48000	MET 33500 Basic Machining
	ME 54400 Modeling & Simulation of Mechanical Engineering Systems	SE 53000 Systems Engineering Management
	ME 55000 Advanced Stress Analysis	STAT 51100 Statistical Methods
Spring 2022	ME 42700 Sustainable Energy Sources & Systems	CS 38400 Numerical Analysis
	ME 47100 Vibration Analysis	ME 49800 Research in Mech. Engineering
	ME 50500 Intermediate Heat Transfer	MET 33500 Basic Machining
	ME 54500 Finite Element Analysis: Advanced Theory & Applications	STAT 51100 Statistical Methods

Note:

1. This schedule is subject to change.
2. Other courses in Group 2 of the Mechanical Engineering Technical Elective Courses list are also offered, however, there isn't a set schedule.

3. For information about the combined BSME/MSE degree contact Dr. Hosni Abu-Mulaweh (mulaweh@ipfw.edu).
4. For information about the Advanced Manufacturing Engineering Certificate program contact Dr. Don Mueller (don.mueller@ipfw.edu)