

MECHANICAL ENGINEERING TECHNICAL ELECTIVES COURSES (PROPOSED)

COURSE	F18	S19	F19	S20	F20	S21	F21	S22	F22	S23
ME COURSES										
ME 4343 Intermediate Heat Transfer			X			X			X	
ME 4833 Intermediate Fluid Mechanics	X			X			X			X
ME 4353 Alternative Energy Sources		X		X		X		X		X
ME 4373 Air Conditioning	X		X		X		X		X	
ME 4543 Combustion Engines	X		X		X		X		X	
ME 4393 Power Generation System		X		X		X		X		X
ME 4193 Automotive Engineering		X				X				X
ME 4123 Failure of Engineering Materials	X		X		X		X		X	
ME 4133 Mechanical Metallurgy	X		X		X		X		X	
ME 4990 Special Topics in Mechanical Eng.°										
ADDITIONAL COURSES										
* ABE 4613 Biomechanics										
* EM 4123 Introduction of Finite Element		X		X		X		X		X
* EM 4133 Mech. Composite Material		X		X		X		X		X
* EM 4143 Engineering Design Optimization		X		X		X		X		X
* EM 4213 Advanced Mech. Material		X		X		X		X		X
* IE 4553 Engineering Law & Ethics										
* IE 4613 Engineering Statistics I	X	X	X	X	X	X	X	X	X	X
* IE 4624 Engineering Statistics II	X	X	X	X	X	X	X	X	X	X
* IE 4733 Linear Programming		X		X		X		X		X
* ECE 4913 Feedback Control Systems I	X		X		X		X		X	
* ASE 4233 Structural Dynamics										
* ASE 4423 Intermediate Comp. Fluid. Mech.										
* ASE 4433 Fund Num. Grid Gen.										
*Any 4000 level Math course										

- Note:**
1. At least one of the two technical elective requirements must be a course offered by the ME department (ME 4XXX).
 2. °The topic for ME 4990 will be announced the semester that the course will be offered.
 3. * These courses are outside of ME and the schedule is subject to change.