

## Mechanical Engineering Technical Elective Course Schedules (Proposed)

	F15	S16	F16	S17	F17	S18	F18	S19
ME 4123 Failure of Engineering Materials	✓		✓		✓		✓	
ME 4133 Mechanical Metallurgy			✓				✓	
ME 4343 Intermediate Heat Transfer			✓		✓			✓
ME 4353 Alt. Energy Sources		✓		✓		✓		✓
ME 4373 Air Conditioning	✓		✓		✓		✓	
ME 4383 Heat Exchanger Design		✓					✓	
ME 4413 Casting and Joining	✓		✓		✓		✓	
ME 4543 Combustion Engines			✓			✓		
ME 4624 Experimental Methods in Materials Research	✓				✓			
ME 4823 Compressible Flow and Turbo			✓			✓		
ME 4833 Intermediate Fluid Mechanics	✓			✓			✓	
ME 4193 Automotive Engineering		✓		✓		✓		✓
ME 4990 Power Generation Systems				✓		✓	✓	✓
* ABE 4613 Biomechanics	✓		✓		✓		✓	
* EM 4123 Intro. Finite Element (AERO)		✓		✓		✓		✓
* EM 4133 Mech. Composite Mater.		✓		✓		✓		✓
* EM 4143 Engineering Design Optimization		✓		✓			✓	
* IE 4613 Engineering Statistics I	✓	✓	✓	✓	✓	✓	✓	✓
* IE 4624 Engineering Statistics II	✓	✓	✓	✓	✓	✓	✓	✓
* EM 4213 Adv. Mech. Mat.		✓		✓		✓		✓
* ECE 4913 Feedback Control Systems I	✓		✓		✓		✓	
* IE 4733 Linear Programming		✓		✓		✓		✓
* IE 4553 Eng Law & Ethics								
* ASE 4233 Structural Dynamics								
* ASE 4433 Fund Num Grid Gen								
* ASE 4423 Intermediat Computatona Fluid Dynamics								
Any 4000 level Math course								

\* At least one of the two technical elective requirements must be a course offered by the ME department.