Combined BSME/MSE Program

Graduate Courses Approved as Mechanical Engineering Technical Electives

Course #	Course Name	Cr.	Pre- and Co-requisites
ME 50500	Intermediate Heat Transfer	3	P: ME 32100
ME 50900	Intermediate Fluid Mechanics	3	P: ME 31800
ME 54400 (ENGR 59500)	Modeling and Simulation of Mechanical Systems	3	P: Graduate Standing or Instructor's Permission
ME 54500	Finite Element Analysis: Advanced Theory & Applications	3	P: ME 48000 or Graduate Standing
ME 54600	CAD/CAM Theory and Advanced Applications	3	P: ME 16000, ME 43200, or Graduate Standing
ME 55000	Advanced Stress Analysis	3	P: ME 25200, ME 30300, and MA 36300
SE 55000	Advanced Manufacturing Systems and Processes	3	P: ENGR 41000 or ME 48700 or Graduate Standing
STAT 51100	Statistical Methods	3	P: 2 semesters of Calculus