

If a student wishes to pursue a dual degree between the MSE department and any of the four departments listed here, the student must follow our basic program with the course exchanges as shown below. If a student wishes to pursue a dual degree with another department not shown here, the student must consult with the MSE program advisor. The student should also check with the program advisor of other department for any requirement changes.

MSE/Chemical Engineering – 142 Total Credits				
Students must follow our basic program with the following exceptions:				
ChE 460-ChE Lab II	(4)	<u>instead of</u>	MSE 365-MSE Lab II	(3)
ChE 330-Chem & Engr Thermodynamic	(3)	<u>instead of</u>	MSE 330-Thermodynamics of Matls	(4)
ChE 342-Heat and Mass Transfer AND				
ChE 344-Reaction Engineering & Design		<u>instead of</u>	MSE 335-Kinetics and Transport	(4)
ChE 487-Process Simulation & Design	(4)	<u>for either</u>	MSE 480-Matls & Eng Design OR	(3)
			MSE 489-Matls Processing Design	(3)
Three (3) additional MSE Selectives, and 3 additional MSE credits				
MSE/Mechanical Engineering – 142-143 Total Credits				
Students must follow our basic program with the following exceptions:				
ME 320 OR ME 335 (formerly 330)	(4)	<u>instead of</u>	MSE 335-Kinetics and Transport	(4)
ME 450-Design and Manufacturing III	(4)	<u>for either</u>	MSE 480-MSE Design OR	(3)
			MSE 489-Processing Design	(3)
Three (3) additional MSE selectives (9 credits) are required.				
A total of 38 MSE credits are required				
MSE 3-credit Elective waived				
MSE/Electrical Engineering – 142 Total Credits				
Students must follow our basic program with the following exceptions:				
EECS 427-VLSI Design I	(4)	<u>for either</u>	MSE 480-MSE Design OR	(3)
			MSE 489-Processing Design	(3)
EECS 215-Intro to Circuits	(4)	<u>instead of</u>	ME 211-Intro to Solid Mechanics	(4)
Two (2) extra credits of tech elective are required.				
Three (3) additional MSE selectives (9 credits) are required.				
A total of 41 MSE credits are required				
MSE/Aerospace Engineering – 142 Total Credits				
Students must follow our basic program with the following exceptions:				
AE 315-Aircraft & Spacecraft Struc	(4)	or	MSE 420-Mechanical Behavior	(3)
AE 225, 325, and 335	(12)	instead of	MSE 335-Kinetics and Transport	(4)
AE 405-Aerospace Lab II	(4)	instead of	MSE 365-Exper. Methods Lab II	(3)
AE 215-Intro Solid Mech & Aero Stru	(4)	instead of	ME 211-Intro Solid Mechanics	(4)
Three (3) additional MSE selectives (9 credits) are required.				
MSE 3-credit Elective waived				