

## Industrial Mechatronics Certificate Matrix

Program Goals	1. The graduates of the program will have understanding of the fundamental principles of Industrial Mechatronics and related areas	2. The graduates of the program will learn advanced and emerging area of Industrial Mechatronics and related areas	3. The program will assist in professional advancement of participating students
ME547 Powertrains	x	x	x
ME 564 Linear Systems Control <b>OR</b> ECE 560 Modern Control Theory	x	x	x
ME 565 Mechatronics <b>OR</b> ECE 566 Mechatronics	x	x	x
AENG 505 Intro to Embedded Systems <b>OR</b> ECE 554 Embedded Systems	x	x	x
IMSE 5825 Industrial Controls	x	x	x
ECE 517 Advanced Power Electronics and Motor Drives	x	x	x
ECE 545 Intro to Robot Systems	x	x	x