

Engineering of Electrified Vehicular Systems Certificate Matrix

Program Goals	1. The graduates of the program will have understanding of the fundamental principles of Electric Vehicles and related areas	2. The graduates of the program will learn advanced and emerging area of Electric Vehicles and related areas	3. The program will assist in professional advancement of participating students
ME547 Powertrains	x	x	x
ME 548 Automotive Powertrains II	x	x	x
ME 570, Powertrain NVH of Electrified Vehicles	x	x	x
ME 576 Battery System Modeling and Control	x	x	x
ECE 510 Vehicle Electronics I	x	x	x
ECE 515 Vehicle Electronics II	x	x	x
ECE 530 Energy Storage Systems	x	x	x
ECE 546 Electric Vehicles	x	x	x
ECE 5462 Electric Aspects of Hybrid Vehicle	x	x	x
ECE 5791 Vehicle Power Management	x	x	x
ECE 646 Advanced Electric Drive Transportation	x	x	x