

**Purdue Graduate Certificate Plan of Study  
Hybrid Electric Vehicle Technology  
Department of Mechanical Engineering, IUPUI CAMPUS**

Last Name	First Name	IUID	PUID

Admit Term	Expected Grad Term	Other Certificate	Grad Degree	Other Reg type: GND, UN, TR

<b>Degree Requirements</b>		✓
Total number of graded credits required	12	
Minimum grade for any course applied to certificate	C	
Minimum GPA	3.0	
Maximum transfer credits	3	
Maximum credits taken prior to enrollment in certificate program	6	
Maximum undergraduate-level courses	Zero	
Completion of certificate requirements	3 years	
Course Substitution Exceptions may be approved by the ME Graduate Education Committee		
Courses may apply toward a graduate degree program but may not be used for credit toward another certificate program.		

**Primary Area Courses (Choose at least 2)**

Sem	Year	Subj	Number	Course Title	Credits	Grade	MS*
		ME	50104	Powertrain Integration			
		ME	50105	Hybrid and Electric Transportation			
		ME	51201	Energy Storage Devices and Systems (formerly ME 59700)			
		ME	57301	Air Pollution and Emission Control			
		ECE	61000	Energy Conversion (required for students in ECE)			

**Related Area Courses (Choose Remaining)**

Sem	Year	Subj	Number	Course Title	Credits	Grade	MS*
		ME	50400	Automotive Control			
	OR	ECE	58500	Automotive Control (formerly ECE 59500)			
		ME	54800	Fuel Cell Science and Engineering			
		ECE	51501	Smart Grid (or ECE 59500 Smart Grid Theory)			
		ECE	58000	Optimization Methods for Systems and Control			

**Dept approved course substitution**

Sem	Year	Subj	Number	Course Title	Credits	Grade	MS*
Substituting for:							

\*Check box if course will apply to MS degree

ME Graduate Program Director/Advisor Signature	Date
Graduate Office Approval	Date