

Electric Power System Engineering (MS): Wide Bandgap Power Electronics Concentration

Degree Requirements

Code	Title	Hours	Counts towards
Core Curriculum			18
ECE 534	Power Electronics		
ECE 553	Semiconductor Power Devices		
ECE 592	Special Topics In Electrical Engineering		
ECE 583	Electric Power Engineering Practicum I		
ECE 792	Special Topics In Electrical Engineering		
ECE 584	Electric Power Engineering Practicum II		
	or ECE 592 Special Topics In Electrical Engineering		
Wide Band Gap Concentration			12
Select twelve credit hours of the following courses:			
ECE 511	Analog Electronics		
ECE 516	System Control Engineering		
ECE 533	Power Electronics Design & Packaging		
ECE 536	Digital Control System Projects		
ECE 552	Renewable Electric Energy Systems		
ECE 554	Electric Motor Drives		
ECE 561	Embedded System Analysis and Optimization		
ECE 732	Dynamics and Control of Electric Machines		

ECE 734	Power Management Integrated Circuits
ECE 739	Integrated Circuits Technology and Fabrication Laboratory
ECE 792	Special Topics In Electrical Engineering
ISE 515	Manufacturing Process Engineering

Total Hours **30**

Faculty

Full Professors

Mesut E. Baran

Subhashish Bhattacharya

Aranya Chakraborty

Robert Wendell Heath

Iqbal Husain

Ning Lu

Srdjan M. Lukic

Daryoosh Vashaee

John Victor Veliadis

Wenye Wang

Jonathan Wierer

Associate Professors

Zeljko Pantic

Nuria Gonzalez Prelcic

Nitin Sharma

Assistant Professors

Amay Jairaj Bandodkar

Spyridon Pavlidis

Wenyuan Tang

Practice/Research/Teaching Professors

Douglas C. Hopkins

David Lee Lubkeman

Leonard Wilson White

Wensong Yu