

POWER CONCENTRATION

EE 406 or EE 410	Power Systems Analysis I Power Electronics I	4
Approved Electives		
Select from the following:		9
IME 314	Engineering Economics	
IME 315	Financial Decision Making for Engineers	
MATE 210	Materials Engineering	
MATE 340	Electronic Materials Systems	
MATH 248	Methods of Proof in Mathematics	
MATH 304	Vector Analysis	
MATH 306	Linear Algebra II	
MATH 451	Numerical Analysis I	
ME 211	Engineering Statics	
ME 212	Engineering Dynamics	
ME 302	Thermodynamics I	
PHYS 310	Physics of Energy	
Technical Electives		
Select from the following:		7
EE 406	Power Systems Analysis I	
EE 407	Power Systems Analysis II	
EE 410	Power Electronics I	
EE 411	Power Electronics II	
EE 417	Alternating Current Machines	
EE 420	Sustainable Electric Energy Conversion	
EE 432	Digital Control Systems	
EE 433	Introduction to Magnetic Design	
EE 434	Automotive Engineering for a Sustainable Future	
EE 435	Industrial Power Control and Automation	
EE 444	Power Systems Laboratory	
EE 472	Digital Control Systems Laboratory	
EE 509	Computational Intelligence	
EE 511	Electric Machines Theory	
EE 513	Control Systems Theory	
EE 514	Advanced Topics in Automatic Control	
EE 518	Power System Protection	
EE 519	Advanced Analysis of Power Systems	
EE 520	Advanced Solar-Photovoltaic Systems Design	
EE 527	Advanced Topics in Power Electronics	
MATH 453	Numerical Optimization	
Total units		20