Master of Science (M.S.) - Thesis Program

Electrical and Computer Engineering Department

Power Engineering Track

All master's students must complete a tentative degree plan approved by the adviser no later than the second quarter of residence at PSU. **NOTE:** all changes must be initialed and dated by both the student and the adviser. All Pre-admission and Transfer credits MUST be approved by both the ECE Department and the Office of Graduate Studies via DARS exceptions. Use the columns on the right to indicate (P) Pre-admission (taken at PSU before formal admission) and (T) Transfer credits (taken at another institution). Master's students may apply no more than three credits of ECE 507 Graduate Seminar toward degree elective requirements. Courses with a grade of C+ or lower can be used toward elective requirements only with advisor approval.

	TERM	GRADE	Credits	P	T
Grad School Essentials – Complete 2 credits					
ECE 563 Grad School Essentials I					
ECE 564 Grad School Essentials II					
Core – Complete 20 credits					
EE 530 Analytical Methods for Power Systems					
EE 531 Power Systems Protection					
EE 532 Electrical Machine Analysis & Design					
EE 537 Advanced Power Systems Protection					
EC 538 Energy Economics					
EE 534 Power Operations Fundamentals I					
EE 535 Power Operations Fundamentals II					
EE 536 Power Systems Stability					
EE 538 Dynamics and Control of AC Drives					
EE 539 Design of Electrical Machines					
ECE 533 Advanced Electromagnetics					
ECE 545 Power Electronic Systems Design I					
ECE 546 Power Electronic Systems Design II					
ECE 551 Control System Design I					
ECE 552 Control System Design II					
ECE 576 Computational Methods					
Thesis – Complete 9 credits					
ECE 503 Thesis					
ECE 503 Thesis					
ECE 503 Thesis					
Electives – Complete 14 credits					
Write in course number and name					
		TOTAL CREDITS:			

Notes: _____

Email: _____ ID#: _____

Student Name: _____ Signature: _____
(Last) (First)

Adviser: _____ Signature: _____
(Last) (First)

ECE Graduate Director Signature: _____ Date: _____