

Master of Science (M.S.) - Thesis Program Electrical and Computer Engineering Department Analog, RF and Microwave 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					
ECE 521 Analog Integrated Circuit Design I					
ECE 522 Analog Integrated Circuit Design II					
ECE 531 Microwave Integrated Circuit Design I					
ECE 532 Microwave Integrated Circuit Design II					
EE 517 Instrumentation and Sensing					
ECE 515 Fundamentals of Semiconductor Devices					
ECE 516 Integrated Circuit Technologies					
ECE 525 Digital Integrated Circuit Design I					
ECE 526 Digital Integrated Circuit Design II					
ECE 528 VLSI Computer-Aided Design					
ECE 533 Advanced Electromagnetics					
ECE 545 Power Electronics Systems Design I					
ECE 546 Power Electronic Systems Design II					
ECE 561 Communications Systems I					
ECE 562 Communications Systems II					
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: _____

