Master of Science (M.S.) Coursework-only Program
Electrical and Computer Engineering Department

Analog, RF and Microwave Track

All master's students must complete a tentative degree plan, which is 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 Graduate School. Use the columns on the right to indicate approved (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, and only with advisor approval.

	TERM	GRADE	Credits	P	T
Core – Complete 16 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					
Depth and Breadth Course list – Complete 16 credits					
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					
One additional ECE lecture class – Complete 4 credits					
Write in course number and name					
ECE					
Electives – Complete 9 credits					
Write in subject, course number and name					
		TOTAL CREDITS:			

Notes: _____

Email: _____ ID#: _____

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

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

ECE Graduate Director Signature: _____ Date: _____