

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING (MSEE)

WIRELESS AND MICROWAVE TRACK* OPTIONS

Curriculum Program of Study Advisor Dr. Jing Wang

Name		USF ID #			
Term/Year Admitted					
Address					
Phone					
Email					
Advisor					
Course Title	Number	Credits	Semester	Grade	
1. Core: 4 hours (both required)					
Linear and Matrix Algebra	EEL 6029	2			
Random Processes in Electrical Engineering	EEE 6542	2			
2. Concentration Requirements: 14 hours					
a- Track Math (1 required)					
Engineering Apps of Partial Diff Eq	EEL 6023	2			
b- Track core (4 required courses to choose from the 10 courses and more can be taken as electives)					
Wireless Circuits and Systems Laboratory	EEL 5936	3			
RF/Microwave Circuits I	EEL 6426	3			
RF/Microwave Circuits II	EEL 6427	3			
MMIC Design	EEL 6430	3			
RF/MW Power Amp Design	EEL 6428	3			
RF & Microwave Measurements	EEL 6425	3			
Electromagnetic Field Theory	EEL 6486C	3			
Antenna Theory	EEL 5462	3			
Advanced Antenna Theory	EEL 6463	3			
Numerical Tech. in Electromagnetism	EEL 6481C	3			
3. Electives**: 3-6 hours (Thesis/Non-Thesis)					
Digital Communication Systems	EEL 6534	3			
Mobile and Personal Communication	EEL 6593	3			
Wireless Network Architecture	EEL 6597	3			
Wireless Communications System Laboratory	EEL 6936	3			
MEMS I	EEL 6228	3			
MEMS II	EEL 6229	3			
4. Thesis/Coursework Options:					
Thesis Option: 6-9 hours					
Non-Thesis Option: combined total of 6 hours of <i>additional electives</i> , independent study, internship, project, or out of department.					
*Tracks are for student benefit only. They will not show on transcripts or diplomas.			Total Credits Outside of Dept.		
			Total Credits Independent Study		
			Total Credits (30 required)		