

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING (MSEE)

Systems and Security TRACK* OPTIONS

Curriculum Program of Study Advisor Drs. Chen and Chang

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)					
Applied Optimization	EEL 6020	2			
Statistical Inference	EEL 6021	2			
b- Track Core (4 required)					
Broadband Networks	EEL 6506	3			
Data Networks, Systems and Security	EEL 6787	3			
Wireless Network Architecture and Protocols	EEL 6597	3			
Network Science	EEL 6935	3			
Deep Learning	EEL 6935	3			
Robotics and AI	EEL 6935	3			
Cryptography and Data Security	EEL 6935	3			
Advanced Cybersecurity	EEL 6935	3			
Wireless Mobile Computing and Security	EEL 6935	3			
Data Analytics	EEL 6777	3			
Advanced Data Analytics	EEL 6935	3			
Mobile and Personal Communications	EEL 6593	3			
3. Electives**: 3-6 hours (Thesis/Non-Thesis)					
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)		