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| Student ID: _____ | Catalog: 2020-2021 University Catalog |
| Student Name: _____ | Program: Electrical Engineering, M.S.: 30 units |

Electrical Engineering, M.S.: 30 units

Major Required: 9 units

| Course Name | Term | Units | Grade |
|--|------|-------|-------|
| ECE 5110 - Numerical Modeling (3) | | | |
| ECE 5430 - Random Processes (3) | | | |
| ECE 5960 - Research Methods (2) | | | |
| • ECE 4XXX/5XXX - Any approved ECE 4000 or 5000-level Laboratory (1) | | | |

Major Electives: 15-18 units

| Course Name | Term | Units | Grade |
|---|------|-------|-------|
| ECE 5180 - Performance and Reliability Analysis (3) | | | |
| ECE 5200 - Network Security (3) | | | |
| ECE 5250 - Embedded Systems (3) | | | |
| ECE 5300 - Nanoelectronics (3) | | | |
| ECE 5400 - Systems Theory (3) | | | |
| ECE 5440 - Communication Theory (3) | | | |
| ECE 5450 - Robust Control (3) | | | |
| ECE 5460 - Advanced Software Engineering (3) | | | |
| ECE 5470 - Digital Image Processing (3) | | | |
| ECE 5480 - Solid State Devices (3) | | | |
| ECE 5510 - Digital Signal Processing (3) | | | |
| ECE 5540 - Wavelet Theory and Applications (3) | | | |
| ECE 5580 - Computer Arithmetic (3) | | | |
| ECE 5590 - Computer Network (3) | | | |
| ECE 5600 - Information Theory and Coding (3) | | | |
| ECE 5610 - Advanced Microprocessors (3) | | | |
| ECE 5650 - Radar Signal Processing (3) | | | |
| ECE 5660 - OFDM and CDMA Systems (3) | | | |
| ECE 5670 - Natural Language Processing (3) | | | |
| ECE 5700 - Smart Grid in Power System (3) | | | |
| ECE 5720 - Image Sensors (3) | | | |
| ECE 5750 - Distribution System and Power Quality (3) | | | |
| ECE 5820 - Digital System Testing (3) | | | |
| ECE 5840 - Design and Analysis of Computer Algorithms (3) | | | |
| ECE 5850 - Computer Organization (3) | | | |
| ECE 5921L - Microcontroller Applications Laboratory (1) | | | |
| ECE 5930L - Digital Signal Processing (DSP) Applications Laboratory (1) | | | |
| ECE 5940L - Field Programmable Gate Array (FPGA) Design Laboratory (1) | | | |
| ECE 5970L - Wireless Communication Systems Laboratory (1) | | | |
| ECE 6440 - Advanced Communication Systems (3) | | | |
| ECE 6510 - Advanced Signal Processing (3) | | | |
| ECE 6850 - Advanced Computer Organization (3) | | | |
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Culminating Experience: 3-6 units

| Course Name | Term Taken | Units | Grade |
|--|------------|-------|-------|
| ECE 6910 - Directed Research (1 to 3 units total) (1 unit) and | | | |
| ECE 6950 - Master's Degree Project (2) | | | |
| OR | | | |
| ECE 6960 - Master's Degree Thesis (3) (4 to 6 units total) | | | |
| ECE 6960 - Master's Degree Thesis (3) | | | |
| Total Units | | | |

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|--------------------------------|--|
| Student Signature | |
| Advisor Signature | |
| Graduate Coordinator Signature | |
| Chair Signature | |
| Dean Signature | |
| Graduate Studies | |