



Program of Studies Electrical Engineering Master's Degree Area: Systems

NAME: SCU #.....
LAST FIRST MIDDLE

EMAIL: EXPECTED GRADUATION DATE:.....

HOME PHONE: CIRCLE ONE: NEW PS UPDATED PS
(area code)

1. Graduate Core Requirements (min. 6 units), See descriptions in Chapter 4, Academic Information:

Emerging Topics in Engineering _____

Engineering and Business/Entrepreneurship_____

Engineering and Society_____

2. Applied Mathematics (4 units required)

Note: AMTH 245 and 246 or AMTH 210 and 211 are recommended for students who have not already studied linear algebra and probability

<u>DEPT.</u>	<u>CATALOG #</u>	<u>COURSE TITLE</u>	<u>UNITS</u>	<u>DEPT.</u>	<u>CATALOG #</u>	<u>COURSE TITLE</u>	<u>UNITS</u>

3. Electrical Engineering Core Focus Area: Systems (required)

Choose two courses from:

<u>Dept.</u>	<u>Catalog #</u>	<u>Course Title</u>	<u>Units</u>
ELEN	211	Modern Network Analysis I	2
ELEN	236	Linear Control Systems	2
BIOE	251	Molecular Biology for Engineers	2

Choose one course from:

<u>Dept.</u>	<u>Catalog #</u>	<u>Course Title</u>	<u>Units</u>
ELEN	233	Digital Signal Processing I	2
ELEN	233E	Digital Signal Processing I and II	4
BIOE	250	Intro. To Bioinformatics and Sequence Analysis	2

4. Core Breadth: Electronics and Communication & Microwave (2 units are required for each area)

Electronics: ELEN200, 250, 251, 252, 253, 254, 261, 264, 265, 266, 271, 274, 275, 277, 278, 280, 281, 282, 283, 284, 285, 286, 287, 351, 352, 353, 354, 360, 361, 375, 387, 388, 389, 390, 391, 500, 510, 601, 602, 603, 604, 605, 608, 609, 613, 614, 650, 624

Communication and Microwave: ELEN201, 202, 241, 242, 243, 244, 345, 347, 443, 444, 445, 446, 447, 701, 705, 706, 711, 712, 714, 715, 716, 717, 725, 726

Advisor's initials/date _____

Additional Elective Courses recommended and approved by the graduate program advisor

<u>DEPT.</u>	<u>CATALOG #</u>	<u>COURSE TITLE</u>	<u>UNITS</u>	<u>DEPT.</u>	<u>CATALOG #</u>	<u>COURSE TITLE</u>	<u>UNITS</u>

TRANSFER CREDIT REQUESTED
(BS/MS STUDENTS CAN ONLY TRANSFER 20UNITS MAX)
(ALL OTHER NON-SCU TRANSFER CREDIT 9 QUARTER UNITS MAX (6 SEMESTER UNITS))

<u>Institution</u>	<u>Course # & Title</u>	<u>SCU Equivalent Course</u>	<u>Units</u>	<u>Grade</u>	<u>Year completed</u>

- One official transcript is sent to the Graduate Services Office by the registrar of the other Institution (s).
- Transcripts must indicate that transfer units were not used to satisfy other degree requirements.
- **Extension or continuing education units are not accepted for transfer credit.**
- Credit will not be allowed for courses that duplicate prior work.

Transfer units (1 semester unit = 1.5 quarter units): (9 quarter units maximum)

Total SCU units: (not including prerequisite courses)

Total Units: (45 quarter units minimum)

I understand that it is my responsibility:

- 1. To ensure that transcripts for transfer credits are sent to the Graduate Services Office.***
- 2. To obtain my advisor's approval and signature of this program and of any subsequent changes needed.***
- 3. To complete the program as approved with a minimum of 45 units and 3.0 GPA.***

.....
 (Student's signature)

.....
 Date

.....
 (Advisor's signature)

.....
 Date