



This program plan template has been constructed around a specific popular area of interest to provide a solid foundation in said area and has been created using the ECE Department's likely course offerings to meet all of the curricular requirements of the degree program for which it has been created. Please keep in mind that each student is welcome and encouraged to construct a program plan that fits the student's particular interests and goals while meeting the curricular requirements of the chosen degree program.

The program plan template presented here specifies recommended key courses, placed in their appropriate terms of offering, and includes placeholders for the remaining curricular requirements. It is important to note that these templates have been developed with a focus on the structure of a program plan for a typical full-time MS student entering the graduate program in the Fall Quarter. Despite this fact, the course recommendations from this template can still be used by part-time MS students and full-time MS students entering the graduate program in a term other than the Fall Quarter to inform course selection based on interest.

| Course No. | Course Title | Credits |
|---------------------------------|-----------------------------------------------------|---------|
| Fall Quarter 2013-2014 | | |
| ECEC 631 | Principles of Computer Networking | 3 cr. |
| ECES 521 | Probability & Random Variables | 3 cr. |
| CPE Course (ECEC) | | 3 cr. |
| Winter Quarter 2013-2014 | | |
| ECEC 632 | Performance Analysis of Computer Networks | 3 cr. |
| ECES 522 | Random Processes & Spectral Analysis | 3 cr. |
| CPE Course (ECEC) | | 3 cr. |
| Spring Quarter 2013-2014 | | |
| ECEC 633 | Advanced Topics in Computer Networking | 3 cr. |
| ECET 604 | Internet Laboratory | 3 cr. |
| Elective* | | 3 cr. |
| Fall Quarter 2014-2015 | | |
| ECEC 690 | Special Topics: Web Security I | 3 cr. |
| ECEE 641 | Fiber Optics and Optical Communications I | 3 cr. |
| ECET 511 | Physical Foundations of Telecommunications Networks | 3 cr. |
| Winter Quarter 2014-2015 | | |
| ECEC 690 | Special Topics: Web Security II | 3 cr. |
| ECET 512 | Wireless Systems | 3 cr. |
| Elective* | | 3 cr. |

* Elective courses can be chosen from among the graduate course offerings of the Department of Electrical and Computer Engineering (ECE, ECEC, ECEE, ECEP, ECES, ECET); other departments within the College of Engineering (AE, CHE, CIVE, CS, EGEO, EGMT, ENGR, ENVE, MATE, MEM); the School of Biomedical Science, Engineering and Health Systems (BMES); the Department of Mathematics (MATH); the Department of Physics (PHYS); the Department of Chemistry (CHEM) and the Department of Biology (BIO). Operations Research graduate-level coursework in the Department of Decision Sciences (OPR) may also be taken towards completion of this requirement.