

# Electrical & Computer Engineering

## Communications and Signal Processing

### Master of Engineering: 30 Credits or 10 Courses

Students must take a minimum of four core courses from this area and up to two core courses from the computer specialization or the [software engineering program](#). Four additional technical electives must be approved by the academic advisor prior to registration.

### Graduate Certificate in Engineering: 12 credits or 4 courses

Students pursuing a Graduate Certificate in Engineering must complete:

- **ENPM600** Probability and Stochastic Processes for Engineers
- **ENPM601** Analog and Digital Communication Systems

Two of the following:

- **ENPM602** Data Networks
- **ENPM603** Theory and Applications of Digital Signal Processing
- **ENPM605** Information Theory and Coding
- **ENPM616** Wireless Communications: Concepts and Technologies

### Communication and Signal Processing Core Courses (choose four):

**ENPM600** Probability and Stochastic Processes for Engineers

**ENPM601** Analog and Digital Communication Systems

**ENPM602** Data Networks

**ENPM603** Theory and Applications of Digital Signal Processing

**ENPM605** Information Theory and Coding

**ENPM 616** Wireless Communications: Concepts and Technologies

### Choose two additional Core Courses from Computer Engineering or Software Engineering

### Communication and Signal Processing Technical electives (choose four):

**ENPM631** TCIP/IP Networking

**ENPM632** Advanced TCIP/IP Networks

**ENPM677** Wireless Sensor Networks

**ENPM693** Network Security

**ENPM808B** Advanced Mobile Broadband Communications Systems and Standards

**ENPM808L** Analytics for Decision Support

**ENPM808W** Data Science

**ENPM808Z** Satellite Communications

**ENPM809G** Network Data Science

*Additional technical electives must be approved by academic advisor.*

# Preliminary 10-Course Plan

Electrical & Computer Engineering—Communication & Signal Processing

Name:			Date:					
UID:								
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit
Fall			Spring			Summer		
Course	Core/ Elective	Credit	Course	Core/ Elective	Credit	Course	Core/ Elective	Credit