

CERTIFICATE IN COMMUNICATION SYSTEMS

This certificate program is for those who want to become proficient in communication system principles and applications. The student will take the two fundamental courses and two courses from a large number of electives, for emphasis in data compression, computer networks, and analog/digital communications.

Curriculum

No more than one course may be a 400-level course.

Required Courses		(6)
ECE 511	Analysis of Random Signals	3
ECE 513	Communication Engineering Fundamentals	3
Elective Courses		(6-7)
Select a minimum of two courses from the following:		6-7
ECE 405	Digital and Data Communication Systems with Laboratory	4
ECE 508	Video Communications	3
ECE 514	Digital Communication Principles	3
ECE 515	Modern Digital Communications	3
ECE 516	Coding for Distributed Storage Systems	3
ECE 519	Coding for Reliable Communications	3
ECE 520	Information Theory and Applications	3
ECE 541	Performance Evaluation of Computer Networks	3
ECE 542	Design and Optimization of Computer Networks	3
ECE 543	Computer Network Security	3
ECE 544	Wireless and Mobile Networks	3
ECE 545	Advanced Computer Networks	3
ECE 546	Wireless Network Security	3
ECE 547	Wireless Networks Performance Analysis	3
Total Credit Hours		12-13