

# 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.

Gainful Employment Disclosure for Certificate in Communication Systems

## Curriculum

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

Code	Title	Credit Hours
<b>Required Courses</b>		(6)
ECE 511	Analysis Random Signals	3
ECE 513	Commctn Engrg Fundamentals	3
<b>Elective Courses</b>		(6-7)
Select a minimum of two courses from the following:		6-7
ECE 403	Digital & Data Comm Systems	3
ECE 405	Digital & Data Comm Syst w/Lab	4
ECE 406	Intro to Wireless Comm Systems	3
ECE 421	Microwave Circuits and Systems	3
ECE 423	Microwave Crct&Systs w/Lab	4
ECE 508	Video Processing & Comm	3
ECE 514	Digital Commctn Principles	3
ECE 515	Modern Digital Communications	3
ECE 516	Coding Distributed Storage Sys	3
ECE 519	Coding Reliable Communications	3
ECE 520	Info Theory and Applications	3
ECE 541	Perform Eval Compt Ntwrk	3
ECE 542	Dsgn Optmztn Compt Ntwrks	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 Ntwrks Perf Analysis	3
<b>Total Credit Hours</b>		<b>12-13</b>