

CERTIFICATE IN WIRELESS COMMUNICATIONS ENGINEERING

For communications engineers who want a focused program providing state-of-the-art instruction in the growing field of wireless communications, this program offers fundamental coursework in traditional telecommunications system design as well as computer communication networks.

Gainful Employment Disclosure for Certificate in Wireless Communications Engineering

Curriculum

Code	Title	Credit Hours
Required Courses		(6)
Select a minimum of 2 courses from the following:		6
ECE 406 or ECE 504	Wireless Communications System Wireless Comm System Design	3
ECE 503	5G Wireless Network	3
ECE 510	IoT and Cyber Physical Systems	3
Elective Courses		(6-7)
Select a minimum of two courses from the following:		6-7
ECE 403 or ECE 405	Digital & Data Comm Systems Digital & Data Comm Syst w/Lab	3-4
ECE 406 or ECE 504	Wireless Communications System Wireless Comm System Design	3
ECE 408	Intro to Computer Ntwks	3
ECE 501	AI and Edge Computing	3
ECE 503	5G Wireless Network	3
ECE 510	IoT and Cyber Physical Systems	3
ECE 511	Analysis Random Signals	3
ECE 513	Commctn Engrg Fundamentals	3
ECE 514	Digital Commctn Principles	3
ECE 515	Modern Digital Communications	3
ECE 516	Coding Distributed Storage Sys	3
ECE 517	Wireless Ntwrk Protocols/Stand	3
ECE 519	Coding Reliable Communications	3
ECE 520	Info Theory and Applications	3
ECE 530	High Performnc VLSI/IC Systems	3
ECE 543	Computer Network Security	3
ECE 544	Wireless and Mobile Networks	3
ECE 545	Modern Internet Tech	3
ECE 546	Wireless Network Security	3
ECE 547	Wireless Netwrks Perf Analysis	3
ECE 576	Antenna Theory	3
Total Credit Hours		12-13