

# CERTIFICATE IN APPLIED ELECTROMAGNETICS

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In this certificate program, students receive advanced preparation for careers in electromagnetic engineering, particularly in areas of RF circuits and systems, electromagnetic wave propagation, antenna theory, and electromagnetic compatibility.

## Curriculum

Code	Title	Credit Hours
<b>Required Courses</b>		<b>(6-7)</b>
ECE 421	Microwave Circuits and Systems	3-4
or ECE 423	Microwave Circuits and Systems with Laboratory	
ECE 571	Nanodevices and Technology	3
<b>Elective Courses</b>		<b>(6)</b>
Select a minimum of two courses from the following:		6
ECE 525	RF Integrated Circuit Design	3
ECE 527	Performance Analysis of RF Integrated Circuits	3
ECE 576	Antenna Theory	3
ECE 578	Microwave Theory	3
<b>Total Credit Hours</b>		<b>12-13</b>