

UBIQUITOUS COMPUTING (GRADUATE CERTIFICATE)

<https://ceps.unh.edu/electrical-computer-engineering/program/certificate/ubiquitous-computing>

Description

We live in the era of ubiquitous computing, in which we are surrounded by interconnected computing devices that have become parts of the fabric of our lives. This certificate program will prepare students to develop and deploy ubiquitous computing systems. The certificate program will benefit practitioners who work in the fields related to mobile applications, Internet of Things, pervasive computing, ubiquitous computing, and ambient intelligence.

Applicants must hold a baccalaureate degree from an accredited college or university. Applicants should have demonstrated aptitude in undergraduate coursework or similar work experience in Electrical Engineering, Computer Engineering, Computer Science or a related field.

Application requirements

Requirements

The program of study required for the certificate consists of four courses for a total of **13-15 credit hours**.

Code	Title	Credits
Required Courses		
ECE 824	Ubiquitous Computing Fundamentals	4
ECE 924	Ubiquitous Computing ¹	3
Electives		
Select two of the following		6-8
ECE 814	Introduction to Digital Signal Processing	4
ECE 941	Digital Signal Processing	3
ECE 960	Computer Architecture	3
ECE 920	Wireless Communication Systems	3
ECE 901	Electromagnetic Wave Theory I	3
ECE 900A & ECE 900B	Research and Development from Concept to Communication I and Research and Development from Concept to Communication 2 ²	4

¹ ECE 824 Ubiquitous Computing Fundamentals must be taken prior to ECE 924 Ubiquitous Computing

² 2 semester sequence, 2+2 credits