

# CERTIFICATE IN CYBER-PHYSICAL SYSTEMS

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Embedded controllers with integrated sensors and networking abilities are abundant and offer numerous opportunities for modern computing applications and Internet of Things (IoT). The Certificate in Cyber-Physical Systems is intended for students who are interested in learning how to work with such systems and utilize them for real-world applications.

Certificate programs offer working professionals an opportunity to increase their knowledge and skills in the specific areas of computer science. A certificate representing proven academic performance is presented after the required nine credit hours of coursework is completed with a GPA of 3.0/4.0. Courses taken may be later applied toward a computer science master's degree program.

## Curriculum

Code	Title	Credit Hours
Select nine credit hours of the following:		9
CS 442	Mobile Applications Development	3
CS 552	Distributed Real-Time Systems	3
CS 553	Cloud Computing	3
CS 555	Analytic Models and Simulation of Computer Systems	3
CS 556	Cyber-Physical Systems: Languages and Systems	3
CS 557	Cyber-Physical Systems Security and Design	3
<b>Total Credit Hours</b>		<b>9</b>