

Cloud Software Development, Graduate Certificate

The Graduate Certificate in Cloud Software Development is designed to give students a strong foundation for working with cloud computing platforms like Amazon Web Services, Google Cloud, and Microsoft Azure. Through coursework and project-based learning, students gain the exposure needed to work across these platforms and also in hybrid platform environments. Cloud skills are in higher demand than ever before. However, there is a significant lack of qualified, skilled professionals to support this growth, especially for deployment in non-tech-related industries—such as manufacturing, transportation, travel, entertainment, and education—that rely increasingly on cloud platforms as part of their day-to-day operations. This certificate is aimed at addressing this skills gap utilizing the Khoury Align program's innovative curriculum and student support model, as well as course-based experiential learning opportunities to train students for in-demand and high-paying jobs.

Prerequisite

To ensure that all students have the foundation necessary to be successful in this program, each incoming student must demonstrate that they have taken undergraduate or graduate coursework in computer science or that they have comparable professional experience. This admission requirement can also be fulfilled by successful completion of Intensive Foundations of Computer Science (CS 5001).

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Core Requirements

| Code | Title | Hours |
|---------|---------------------------------|-------|
| CS 5004 | Object-Oriented Design | 4 |
| CS 5610 | Web Development | 4 |
| CS 6510 | Advanced Software Development | 4 |
| CS 6620 | Fundamentals of Cloud Computing | 4 |

Program Credit/GPA Requirements

16 total semester hours required

Minimum 3.000 GPA required