SOFTWARE ENGINEERING GRADUATE CERTIFICATE

Introduction

This certificate is designed for working professionals, or computer science students beginning careers, in the fields of software engineering and software development. Students are highly encouraged to have a previous computer science or systems engineering degree. At the start of the certificate program students are expected to have a strong understanding of software development in terms of software construction, software coding and basic software design.

In order to receive the Software Engineering Graduate Certificate, students must declare it using the CSE Certificate Declaration Form (https://engineering.ucdenver.edu/docs/librariesprovider29/college-of-engineering-and-applied-science/computer-science/student-resources/certificate---grad-intent-to-complete.pdf?sfvrsn=739eafb9_4) and submit it to the CSE department.

Certificate Objectives

- To provide working or career-oriented students with knowledge and practice of the applied skills needed to become successful software engineers.
- To provide working or career-oriented students with knowledge and understanding of the skills needed to successfully advance their careers as software engineers.

Certificate Requirements

Process to Attain Certificate Objectives

Students will complete a sequence of three separate graduate-level courses

Code	Title	Hours
CSCI 5010	Software Architecture	3
CSCI 5573	Operating Systems	3
or CSCI 5593	Advanced Computer Architecture	
CSCI 5011	Software Project Management Support	3
Total Hours		**9**

Students must take and pass each course with a B- or higher and have a minimum GPA of 3.0 to obtain the Software Engineering Certificate.