SOFTWARE ENGINEERING

Official Certificate Program



Central's Software Engineering Official Certificate Program (OCP) is a non-degree program for college graduates wishing to expand or update their knowledge of software engineering. This program provides a core background in software engineering.

This program prepares students for professional growth in the field of software engineering including software architecture & design, software construction, software testing & quality assurance, and software maintenance. It focuses on foundational concepts of the field and emphasizes practical applications of these concepts.

Program Features

- Starts every January and August
- 12-credit program
- Attend part-time
- No GMAT/GRE required

Curriculum

To obtain the Software Engineering OCP students must complete 4 courses for a total of 12 credits. Credits earned in the certificate program can contribute to Central's MS in Software Engineering.

- Design Patterns
- Software Testing and Quality Assurance
- Fundamentals of Software Engineering
- Advanced Software Engineering

CENTRAL CONNECTICUT STATE UNIVERSITY

ccsu.edu/grad | 860.832.2350 | graduateadmissions@ccsu.edu

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What You'll Gain

- Ability to solve software engineering problems in a variety of application settings
- Skills to understand and apply modern software engineering concepts, techniques, practices, and tools
- Ability to recognize the need for, and to engage in, continuing professional development
- Skills to communicate effectively
- Appropriate teamwork skills

DID YOU KNOW?

The median annual wage for software developers, quality assurance analysts, and testers was $110,140 in May 2020.

Employment in these positions is projected to grow 22% from 2020 to 2030, much faster than the average for all occupations.

Source: bls.gov

PROGRAM WEBSITE

Applying for Admission

For consideration, applicants must submit the following:

1. A completed online application (ccsu.edu/apply)
2. Official undergraduate and graduate transcripts from a regionally accredited institution of higher education (GPA of 2.70 or higher, applicants who do not meet regular admission standards in terms of GPA, but have an undergraduate GPA between 2.40 and 2.69 may be considered for conditional admission)
   - Applicants must hold a Bachelor's degree in Computer Science, or
   - A bachelor's degree in a related information technology field with a minimum of 6 courses of relevant computer science (Computer Science I, Computer Science II, Data Structures, Computer Architecture, and 2 advanced computer science electives). May require an extra semester or summer term to satisfy the expected computer science background by taking Foundations of Computer Science and/or Computing and Communications Technology as prerequisite courses (not part of the program), or
   - A bachelor's degree in a STEM field with a minimum of 5 courses of relevant mathematics and computer science courses (Calculus I, Calculus II, Discrete Math, Computer Science I, Computer Science II). Will require an extra semester to satisfy the expected computer science background by taking Foundations of Computer Science, Computing and Communications Technology, and Programming Languages (not part of the program), or
   - Applicants with a BS degree different from Computer Science must submit a resume and two letters of recommendation through the online application to be used in reviewing their computer science related background

Official transcripts may be sent directly to the Graduate Recruitment & Admissions Office:

By Mail: Central Connecticut State University
Graduate Recruitment & Admissions Office
1615 Stanley Street
Davidson Hall 116
New Britain, CT 06050

By Email: graduateadmissions@ccsu.edu

ABOUT CENTRAL:
Central Connecticut State University is the largest university within the Connecticut State Colleges and Universities system. Founded in 1849, Central is also the state's oldest publicly funded university. Our campus is located in New Britain, Connecticut. Central is accredited by the New England Commission of Higher Education (NECHE).



01/22

Information is subject to change. Please visit our website or contact graduate admissions for the most up to date information.