

Undergraduate Certificate: Software Engineering

This certificate is designed to fast track undergraduate students into acquiring the necessary skills to qualify for high-demand software engineering jobs.

Quickly become eligible for Software Developer Positions.

Receive a certificate upon completing **19 hours** of Computer Science credits.

Certified by UNO & State Approved

This certificate program is designed & taught by the UNO Department of Computer Science whose curriculum is accredited by the Accreditation Board for Engineering and Technology (ABET). The undergraduate certificate in Software Engineering is state approved by the Louisiana Board of Regents & exclusively offered by the University of New Orleans.

Careers in Software Engineering

- Information & Technology (IT) positions pay well
- Plentiful job opportunities both locally & nationally
- High job growth projected for the foreseeable future
- Jobs offer a good work/life balance

Software Engineering Certificate. 19 credits
Open to ALL UNO students. Get a Dev Job

uno.edu/academics/cos/computer-science/certificates

Certificate Coursework

Prerequisites

4 credits

CSCI 1583/1581 Software Design & Development + Lab 4

6 Total courses: 4 from Required list, 2 from Elective list

Required Courses

13 credits

CSCI 2120/2021	Software Design & Development II + Lab	4
CSCI 2125	Data Structures	3
CSCI 4125	Data Models & Database Systems	3
CSCI 4210	Intro to Software Engineering	3

Professional Skills Attained

2120 Learn to write software applications in Java programming language.

2125 Learn theoretical principles used for code optimization & efficient data management.

4125 Learn database concepts and techniques for persistent storage and retrieval of data.

4210 Learn software architectures, design principles, & the software life cycle.

Elective Courses: Choose Two

6 credits

CSCI 3097	Problems in Computer Science (Internship)	3
CSCI 4208	Developing Advanced Web Applications	3
CSCI 4661	Topics in Mobile Application Development	3
CSCI 4990	Special Topics in Computer Science	3

Professional Skills Attained

3097 Learn professional hands-on experience through an internship with a partnered IT company.

4208 Learn techniques & tools for developing full stack web applications.

4661 Learn techniques & tools for developing native mobile applications for Android/iOS.

4990 Learn recent advancements and new trends in the field.

Note: Special topic must relate to Software Engineering to receive credit towards certificate