

Bachelor of Science in Computer Science



Create Sophisticated Applications with a Computer Science Degree

In Wilmington University's undergraduate Computer Science degree program, you'll gain the comprehensive technical knowledge and skills necessary to launch your IT career. You'll study computer systems and networks, security, database systems, human-computer interaction, programming languages, and applications. Earn your BS in Computer Science in person, 100% online, or through a combination of both.



Content-Rich IT Degree Curriculum Stays Current with Technology

In this Computer Science degree program, you'll gain expertise in leading-edge systems development tools and programming software, including HTML/CSS, PHP, Java, JavaScript, C # and C++. Coursework fully prepares you in user-centered design, object-oriented methodologies, database design, computer science fundamentals, computer architecture, mobile apps, and the most current methods of systems analysis.



Credit for IT Certifications and Prior Learning

You can earn your bachelor's degree in Computer Science even faster (and save tuition dollars) by earning WilmU academic credit for previously earned degrees and courses, as well as professional experience, licenses, and certifications you already hold—up to 90 credits!



Choose an Accredited, Top-Ranked Software Development Degree

Wilmington University's programs are accredited, and the flexible and affordable BS in Computer Science program combines theory and practice by infusing courses with hands-on learning experiences. You'll graduate job-ready for a career as an IT consultant, information systems manager, database administrator, multimedia programmer, or systems analyst.

Get Started Today at wilmu.edu/Apply



40 courses 120 total credits
Finish your Computer Science degree faster
by transferring credits.

\$1,143
per course

Cost of a typical 3-credit course
taken at our **New Castle campus**
or **online**



Classes start
every 8 weeks



WILMINGTON
UNIVERSITY™

TECHNOLOGY

Bachelor of Science in Computer Science

General Education Requirements

- English Composition (12 Credits)
- Humanities (6 Credits)
- Social Science (6 credits)
- Mathematics (3 Credits)
- Natural Science (3 or 4 Credits)
- Computer Operations (3 Credits)
- Critical Analysis (3 Credits)
- Citizenship (3 Credits)

Free Electives (15 Credits)

Choose free electives to complete the degree requirements of 120 credit hours.

- Free Electives (15 Credits)*

Students will complete an additional 18 credits from either the Artificial Intelligence Concentration, the Data Analytics Concentration, or Computer Science (no concentration).

Artificial Intelligence Concentration (18 credits)

- CSC 370 User-Centered Design ✓
- CSC 414 Ethics for AI and Data Analytics ✓
- CSC 419 Python for Data Science ✓
- CSC 420 Intro to Artificial Intelligence ✓
- CSC 430 Machine Learning Principles ✓
- CSC 470 Computer Vision and Image Analysis ✓

Data Analytics Concentration (18 credits)

- BBA 430 Big Data and Visualization ✓
- CSC 402 Data Analysis Storytelling ✓
- CSC 407 Data Analysis for Organizations ✓
- CSC 414 Ethics for AI and Data Analytics ✓
- CSC 419 Python for Data Science ✓
- ISM 420 Data Modeling and Warehousing ✓

Accelerate Your Master's Degree

Replace your free electives with a graduate certificate to get a head start on your master's degree.

✓ = Typical Completion Degree Course

* Students with fewer than 16 transfer credits are required to take FYE 101 as one of their electives.

** The Cooperative Education option is an alternative to the CSC490-Internship course. In order to be eligible, students must first have earned at least 60 credits, plus a GPA of 2.5 or higher. Students must contact the Office of Work-Integrated Learning and their Program Chair one semester before they would like to begin a co-op assignment. For additional information on cooperative education, please visit <https://www.wilmu.edu/coel/work-integrated-learning.aspx>

Computer Science Core (48 Credits)

- CSC 100 Web Design and Development
- CSC 200 Computer Science Fundamentals
- CSC 305 Computer Architecture ✓
- CSC 306 PHP Application Development ✓
- CSC 315 Fundamentals of Object-Oriented Programming ✓
- CSC 325 Java Programming I ✓
- OR CSC 310 Microsoft .NET I ✓
- CSC 335 Java Programming II ✓
- OR CSC 311 Microsoft .NET II ✓
- CSC 340 JavaScript I ✓
- OR CSC 240 JavaScript ✓
- CSC 345 Database Foundations ✓
- CSC 350 Mobile Applications ✓
- CSC 400 Object-Oriented System Analysis and Design ✓
- CSC 487 CSC Senior Project ✓
- OR CSC 490 CSC Internship** ✓
- MAT 200 Pre-Calculus ✓
- SCI 240 Concepts in Physics
- SEC 100 Introduction to Computer Hardware and Operation
- SEC 235 Networks and Telecommunications

Computer Science - No Concentration (18 credits)

- BBA 430 Big Data and Visualization ✓
- CSC 370 User-Centered Design ✓
- ISM 420 Data Modeling and Warehousing ✓
- PHI 314 Ethics for Computer Professionals ✓
- SEC 210 Principles and Practice of Information Security
- SEC 290 Introduction to Programming with Python ✓

Apply a Dual-Credit Certificate® to your degree!

Earn a career-boosting certificate and get credit toward a Wilmu degree at the same time! Most Wilmu certificates can be completed entirely online in just one year.

Related Dual-Credit Certificates:

- Java Programming
- Microsoft .NET Applications Development
- Web Applications Development
- Management Information Systems (Grad)
- Technology Project Management (Grad)
- Artificial Intelligence
- Data Analytics

Already have an associate degree?

A Wilmu completion degree provides just the courses you need to earn your bachelor's degree.

Look for the ✓ to see typical completion degree courses.

Prerequisite courses not listed here may be required

Have questions? We're here to help!

Admissions Specialists

☎ 877.967.5464

@ admissions@wilmu.edu

Get Started Today at
wilmu.edu/Apply



WILMINGTON
UNIVERSITY™

TECHNOLOGY

Wilmu and Dual-Credit Certificates are registered trademarks of Wilmington University.
All rights reserved. © Wilmington University 2020

TEC-108 R6 6/20