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 B.S. 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++. The 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 is accredited, and the flexible and affordable B.S. 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.

$1,197 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 up to 5 of your electives with graduate courses to get a head start on your master's degree and, potentially, earn a graduate certificate.

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 *OR* ☐ CSC 310	Java Programming I / Microsoft .NET I	✓
☐ CSC 335 *OR* ☐ CSC 311	Java Programming II / Microsoft .NET II	✓
☐ CSC 340 *OR* ☐ CSC 240	JavaScript I / JavaScript	✓
☐ CSC 345	Database Foundations	✓
☐ CSC 350	Mobile Applications	✓
☐ CSC 400	Object-Oriented System Analysis and Design	✓
☐ CSC 489 *OR* ☐ CSC 490	Experiential Learning in Computer Science / 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 205	Fundamentals of Cybersecurity	
☐ SEC 290	Introduction to Programming with Python	✓

✓ = *Typical Completion Degree Course*

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

Dual-Credit ADVANTAGE™

SAVE TIME & TUITION

You can apply selected courses (and their credits) in this degree program to a variety of WilmU certificate programs, allowing you to earn a resume-boosting certificate and your bachelor's degree simultaneously.
Learn more at wilmu.edu/DualCredit.

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

WILMINGTON UNIVERSITY™
TECHNOLOGY

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