Bachelor of Science in Computer Science

Create Sophisticated Applications With a Computer Science Degree

In WilmU's B.S. in Computer Science 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 degree in person, 100% online or through a combination of both.

Content-Rich IT Degree Curriculum Stays Current With Technology
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 degree 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!

Coursework Infused With Hands-On Learning
This program combines theory and practice through courses with hands-on learning experiences. You'll be job-ready for a career as an IT consultant, information systems manager, database administrator, multimedia programmer or systems analyst.

Dual-Credit ADVANTAGE™ Accelerated Option
Interested in getting a head start on a master's degree? Students may be eligible to incorporate five graduate-level courses into this undergraduate course of study — and at the undergraduate tuition rate! These courses and their credits would apply to both the B.S. in Computer Science and the M.S. in Computer Science.

Get started today at wilmu.edu/Apply.

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

$1,287
per course
Cost of a typical 3-credit course

Classes start every 8 weeks.

WILMINGTON UNIVERSITY™
TECHNOLOGY

Bachelor of Science in Computer Science

General Education Requirements (39 Credits)

- ☐ COM 250 Technical Writing
- ☐ CTA 260 IT Support Fundamentals I
- ☐ ECO 105 Fundamentals of Economics
- ☐ ENG 121 English Composition I
- ☐ ENG 122 English Composition II
- ☐ ENG 131 Public Speaking
- ☐ MAT 205 Introductory Survey to Mathematics
- ☐ PHI 100 Introduction to Critical Thinking
- ☐ POL 300 American Politics
  OR
  ☐ HIS 381 Contemporary Global Issues
- ☐ PSY 101 Introduction to Psychology

Humanities Electives (15 Credits)

Choose two courses (6 credits) from:

- ☐ ART, COM 245, CUL, DRA, DSN 110, ETN, HIS 230, HUM, LIT, MUS, PHI, SPA, TEC 215, VFP 313

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 Computer Science ✔
- ☐ CSC 419 Python for Data Science ✔
- ☐ CSC 420 Intro to Artificial Intelligence ✔
- ☐ CSC 430 Machine Learning Principles ✔
- ☐ CSC 470 Computer Vision and Image Analysis ✔

Accelerate Your Master's Degree

Replace up to five of your electives with graduate courses to get a head start on your master's degree and, potentially, earn a graduate certificate.

✔ = *Typical Completion Degree Course*

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

Data Analytics Concentration (18 credits)

- ☐ BBA 430 Data Visualization ✔
- ☐ CSC 402 Data Analysis Storytelling ✔
- ☐ CSC 407 Statistics for Data Analysis ✔
- ☐ CSC 414 Ethics for Computer Science ✔
- ☐ CSC 419 Python for Data Science ✔
- ☐ ISM 420 Data Modeling and Warehousing ✔

Computer Science Core (48 Credits)

- ☐ CSC 100 Web Design and Development
- ☐ CSC 200 Computer Science Fundamentals
- ☐ CSC 305 Computer Architecture ✔
- ☐ CSC 320 Algorithms and Data Structures ✔
- ☐ 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 ✔
- ☐ CSC 345 Database Foundations ✔
- ☐ CSC 350 Innovative Web Development ✔
- ☐ CSC 400 Systems Analysis and Design ✔
- ☐ CSC 489 Experiential Learning in Computer Science
  OR
  ☐ CSC 490 CSC Internship ✔
- ☐ MAT 200 Precalculus
- ☐ 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 Data Visualization ✔
- ☐ CSC 370 User-Centered Design ✔
- ☐ ISM 420 Data Modeling and Warehousing ✔
- ☐ CSC 414 Ethics for Computer Professionals ✔
- ☐ SEC 205 Fundamentals of Cybersecurity
- ☐ SEC 290 Introduction to Programming With Python ✔

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!

Academic Recruiters:

(302) 213-3916
recruiting@wilmu.edu

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TECHNOLOGY

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