

Computer

Science

Program

Computer Science Certificates

The Computer Science Department offers **five short certificate options: App Development with Swift, Computer Programming, Cybersecurity, Networking, and Web and Mobile Applications.**

These certificate programs are designed to prepare students for entry-level employment. All course work in a certificate program will apply to the corresponding Associate in Applied Science degree.

Associate in Applied Science in Computer Science

This curriculum is designed for students planning to enter the field of computer information technology and those, already employed, who need specialized/updated skills required by the computing industry. **Options are available for concentrated study in Computer Programming, Cybersecurity, Networking, or Web and Mobile Applications.**



 Networking
CISCO Academy

A student gains admission to the Associate in Applied Science Program by completing the corresponding certificate program.

Check with your four-year institution for transferability of courses. The AAS degree program is not designed for transfer.


jeffersonstate.edu/CIS

Computer Science Courses

(All courses available online)

Applications

- CIS 113 Spreadsheet Software Applications
- CIS 117 Database Management Software Applications
- CIS 130 Introduction to Information Systems
- CIS 146 Microcomputer Applications (Microsoft® Office)

Computer Programming option, CER, and STC

- CIS 150 Introduction to Computer Logic & Programming
- CIS 157 Introduction to App Development with Swift
- CIS 202 Python Programming
- CIS 207 Web Development
- CIS 215 C# Programming

- CIS 220 App Development with Swift
- CIS 222 Database Management Systems
- CIS 244 Introduction to Cybersecurity

- CIS 251 C++ Programming
- CIS 255 Java Programming

- CIS 270 Cisco CCNA I: Introduction to Networks
- CIS 285 Object-Oriented Programming (Advanced Java)

Cybersecurity option, CER, and STC

- CIS 150 Introduction to Computer Logic & Programming
- CIS 202 Python Programming
- CIS 207 Web Development

- CIS 211s Principles of Information Assurance
- CIS 214 Security Analysis (PEN Testing)
- CIS 222 Database Management Systems

- CIS 244 Introduction to Cybersecurity
- CIS 245 Cyber Defense

- CIS 246 Ethical Hacking
- CIS 260 Network Security and Risk Management

- CIS 270 CISCO CCNA I: Introduction to Networks

- CIS 271 CISCO CCNA II: Switching, Routing, & Wireless Essentials

- CIS 282 Computer Forensics

Networking option, CER, and STC

- CIS 150 Introduction to Computer Logic & Programming

- CIS 222 Database Management Systems

- CIS 237 Virtual Infrastructure: Installation & Configuration

- CIS 238 Cloud Computing: Infrastructure & Services

- CIS 239 Information Storage & Management

- CIS 244 Introduction to Cybersecurity

- CIS 248 Introduction to IOT (Internet of Things)

- CIS 260 Network Security and Risk Management

- CIS 263 Computer Maintenance

- CIS 270 CISCO CCNA I: Introduction to Networks

- CIS 271 CISCO CCNA II: Switching, Routing, & Wireless Essentials

- CIS 272 CISCO CCNA III: Enterprise, Networking, Security & Automation

- CIS 282 Computer Forensics

- CIS 287 SQL Server

Swift

- CIS 150 Introduction to Computer Logic & Programming

- CIS 157 Introduction to App Development with Swift

- CIS 220 App Development with Swift I

- CIS 227 App Development with Swift II

Web and Mobile Applications, CER, and STC

- ART 220 Introduction to Computer Graphics

- CIS 150 Introduction to Computer Logic & Programming

- CIS 157 Introduction to App Development with Swift

- CIS 207 Introduction to Web Development

- CIS 209 Advanced Web Development

CIS 220 App Development with Swift
CIS 222 Database Management Systems
CIS 244 Introduction to Cybersecurity
CIS 250 E-Commerce
CIS 270 CISCO CCNA I: Introduction to Networks
One Programming Elective from:
CIS 202, CIS 215, CIS 255
One Emphasis Elective from:
ART 221, CIS 211s or CIS 227, BUS 285, MCM 100

Full-Time Faculty

Shelby Campus

Linda Dobyns – Program Coordinator, Networking & Cybersecurity Advisor, lhanson@jeffersonstate.edu
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M.I.T. American Intercontinental University
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Jefferson Campus:

Wade Crawford – Advisor,
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Computer Facilities

Jefferson State has state-of-the-art computer labs. Two Apple, one Cisco, and a future Computer Forensics lab. All lab computers are networked and have Internet access except Cisco and Forensics. Open labs are available Monday through Thursday from 8:00 a.m. until 9:30 p.m., Friday 8:00 a.m. until 4:00 p.m., and Saturday times determined each semester.

Why Choose Computer Science at Jefferson State?

- Dedicated instructors who are available to students
- Longstanding reputation of excellence
- Small classes with personal attention
- Courses and degree programs to meet a wide range of demands
- Updated courses and degree programs that reflect the skills needed in the workforce of today and tomorrow
- Affordable tuition
- Day, evening, weekend, and Internet classes available
- Computer labs at all campuses
- Internet access available in all computer labs

Additional Information

The college catalog including course descriptions and the current class schedule are available online at www.jeffersonstate.edu/catalog.



New Students

New students should contact Enrollment Services at (205) 856-7704 for admission information or visit www.jeffersonstate.edu/admissions.

Jefferson State does not discriminate on the basis of race, color, national origin, sex, disability, or age in its admissions, programs and activities in compliance with Title VI and VII of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, Title IX of the Educational Amendments of 1972 and the Americans with Disabilities Act of 1990.

Computer Science Program



**FIND YOUR
PLACE
AT JEFFERSON STATE**



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