

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
M.B.A. University of Alabama at Birmingham
M.I.T. American Intercontinental University
Melanie Cox, Office Manager, (205) 983-5945
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Jefferson Campus:

Wade Crawford – Advisor,
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M.S., Jacksonville State
Syed Raza – Computer Programming & Cybersecurity Advisor, sraza@jeffersonstate.edu
M.B.A., Strayer University
Ph.D., Nova Southeastern University
Rita McLendon, Office Manager, (205) 856-7864
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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.

Computer Science Program



**FIND YOUR PLACE
AT JEFFERSON STATE**

jeffersonstate.edu/CIS

It is the official policy of Jefferson State Community College, a postsecondary institution under the control of the Alabama Community College System Board of Trustees, that no person shall, on the grounds of race, color, sex, religion, national origin, disability, age, or sexual orientation be excluded from participation in, be denied benefit of, or be subjected to discrimination under any program, activity or employment.

The College will not retaliate against any person because they have engaged in a protected activity opposing the College or because they have made a complaint, testified, assisted, or participated in any manner in an investigation, proceeding or hearing alleging discrimination on a basis specified above.

Additional information on this policy and related policies is included in the Jefferson State Catalog & Student Handbook at jeffersonstate.edu/catalogs/