Computer Science Program

Computer Science Certificates

The Computer Science Department offers five short certificate options and four long certificate options. The five short options are: App Development with Swift, Computer Programming, Cybersecurity, Networking, and Web Technologies. The App Development with Swift is not included in the long certificate options. 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 technologies.

A student is awarded an Associate in Applied Science degree by completing the corresponding options.

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

jeffersonstate.edu/CIS

Computer Science Course Options

(All courses available online – except Swift)

Applications – Not an Option

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

CIS 150 Introduction to Computer Logic and Programming

CIS 202 Python Programming

CIS 215 C# Programming

CIS 222 Database Management Systems

CIS 251 C++ Programming

CIS 255 Java Programming

CIS 285 Object-Oriented Programming (Advanced Java)

Cybersecurity Option

CIS 211s Principles of Information Assurance

CIS 214 Security Analysis (PEN Testing)

CIS 244 Introduction to Cybersecurity

CIS 245 Cyber Defense

CIS 246 Ethical Hacking

Networking Option

CIS 260 Network Security and Risk Management

CIS 263 Computer Maintenance

CIS 270 CISCO CCNA I

CIS 271 CISCO CCNA II

CIS 272 CISCO CCNA III

CIS 273c CISCO CCNA IV

CIS 275 Workstation Administration

CIS 276 Server Administration

CIS 277 Network Services Administration

CIS 278 Directory Services Administration

CIS 282 Computer Forensics

CIS 287 SQL Server

Swift – Short Certificate Only

CIS 157 Introduction to App Development with Swift

CIS 220 App Development with Swift I

CIS 227 App Development with Swift II

Web Technologies Option

CIS 207 Introduction to Web Development

CIS 209 Advanced Web Development

CIS 250 E-Commerce

(Some courses are in more than one option)

Computer Facilities

Jefferson State has state-of-the-art computer labs. All lab computers are networked and have Internet access. 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 with Internet access at all campuses

- Four A.A.S. options and five certificate options: App Development with Swift, Computer Programming, Cybersecurity, Networking, and Web Technologies

New Students

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

Full-Time Faculty

Jefferson Campus

Wade Crawford – Advisor

　　M.S., Jacksonville State

Syed Raza – Cybersecurity & Programming Advisor

　　M.B.A, Strayer University

　　Ph.D., Nova Southeastern University

Shelby-Hoover Campus

Tommy Battles – Programming Advisor

　　B.S. & M.S., University of Alabama

Anthony Blevins – Web Technologies Advisor

　　B.S. Troy University

　　M.B.A., University of Phoenix

Linda Dobyns – Program Coordinator, Cybersecurity & Networking Advisor

　　M.B.A., UAB

　　M.I.T. American Intercontinental University

All full-time Computer Science faculty members are advisors for the Computer Science Program.

Additional Information

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

For additional information or assistance, please call the Business/Information Systems Department at:

Rita McLendon	Melanie Cox
Office Manager	Office Manager
Jefferson Campus	Shelby-Hoover Campus
(205) 856-7864	(205) 983-5245

Computer Science Program

FIND YOUR PLACE AT JEFFERSON STATE

Jefferson State Community College

jeffersonstate.edu/CIS