

SCRIPTING & APPLICATION DEVELOPMENT

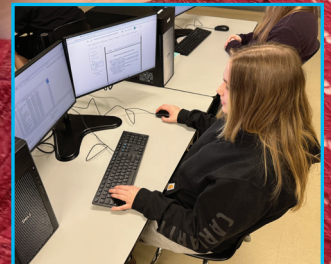
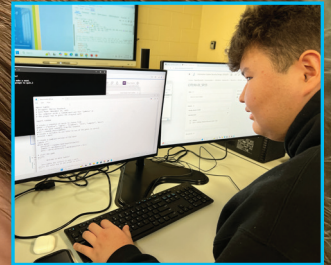
ASSOCIATE OF SCIENCE — COMPUTER INFORMATION TECHNOLOGY DEGREE

CAREER PATHS

ENTRY LEVEL PROGRAMMER
WEB DEVELOPER
SOFTWARE DEVELOPER
DATA ANALYST

SALARY

\$55,594*
MEDIAN ANNUAL INCOME



SCAN FOR YOUR FUTURE

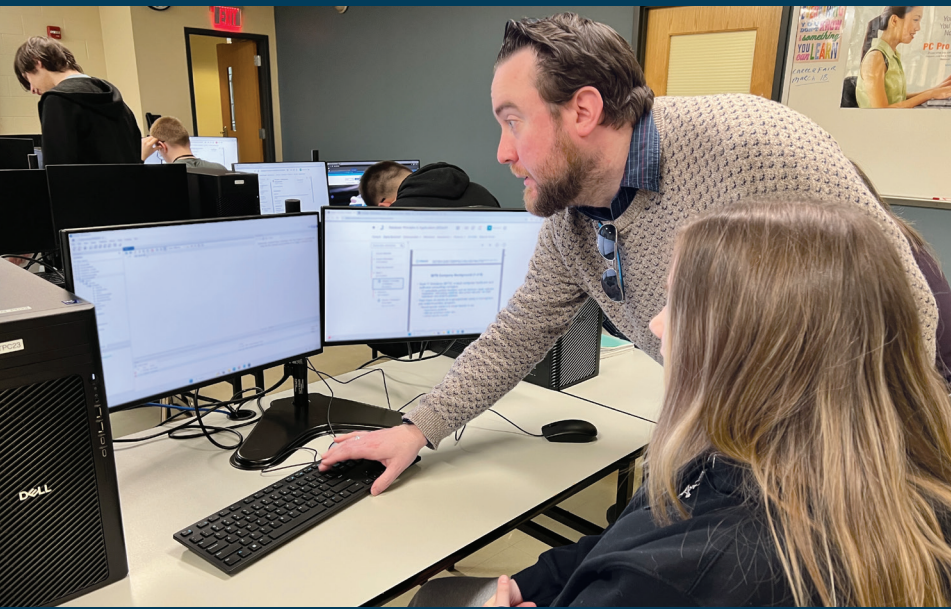


*ziprecruiter.com
Johnson College does not discriminate with regard to race, color, national origin, sex, or disability.



SCRIPTING & APPLICATION DEVELOPMENT

ASSOCIATE OF SCIENCE —
COMPUTER INFORMATION TECHNOLOGY DEGREE



PROGRAM OBJECTIVE

The Scripting and Application Development concentration in the Computer Information Technology program prepares students for entry-level positions in application development, application support, and automation. Students gain hands-on experience designing, coding, testing, and maintaining computer programs using current industry-standard programming languages and development tools. Emphasis is placed on problem-solving, logical thinking, teamwork, and effective communication in the context of application integration and development projects.

READY. SET. WORK.

Goal 1: Graduates will possess the technical skills needed to design, write, test, and maintain computer programs and scripts using current programming languages and development environments.

Goal 2: Graduates will demonstrate effective communication and teamwork skills necessary for collaborative software development.

Goal 3: Graduates will apply critical thinking and problem-solving skills to analyze user needs and design appropriate programming solutions.

Applicants are encouraged to arrange a campus visit and a personal information session with a Recruitment Advisor. Appointments may also be made to meet with appropriate faculty and current students.

CAREER OPPORTUNITIES

Graduates may pursue careers as entry-level programmers, software testers, web developers, database technicians, automation specialists, or application support technicians. Employment opportunities exist in nearly every business sector using information technology. Students will be prepared for entry-level roles involving programming, scripting, and application integration within both small and large-scale information systems.

PROGRAM COURSES

CREDITS

TERM 1

Computer Hardware and Operating Systems	2
Computer Hardware and Operating Systems Lab	2
Programming for Enterprise	3
C Sharp	3
Industry Communication	3
First Year Experience	1

TERM 2

TCP/IP Network Design Configuration and Maintenance	2
TCP/IP Network Design Configuration and Maintenance Lab	1
Linux Networking Service and Support	2
Linux Networking Service and Support Lab	1
Information System Security Design and Administration	2
Information System Security Design and Administration Lab	1
Comp TIA Security+ Certification Study Course	1
Database Principles and Applications	3
College Algebra I and Trigonometry	3

TERM 3

Database Management Systems	3
Programming with Scripting Languages	3
E-commerce	3
Entrepreneurship	3
College Algebra II and Trigonometry	3

TERM 4

Web Programming, Client-Side Scripting	2
Web Programming, Client-Side Scripting Lab	1
Web Programming, Server-Side Scripting	2
Web Programming, Server-Side Scripting Lab	1
AWS Cloud Technologies	3
Internship (50 hours)	1
Public Speaking	3
Science Elective	3

Minimum Credits to Graduate

61

This term layout is based off of a fall start. Students who start in the spring will be required to attend an additional term to complete their degree.

There may be special admission requirements for this program. Please speak with a Recruitment Advisor by calling **570-702-8856** or visit our website johnson.edu to review our requirements.