

Information Technology

ONETonline.org SOC Code: 11-3021

Associate in Applied Science

60 Semester Hours^

The Information Technology program offers student an opportunity to earn an Associate in Applied Science degree. This program provides students with the skills and knowledge for entry level information technology-related careers. Graduates of this program will be qualified for employment as network technicians, help desk technicians, technical support representatives, and PC maintenance technicians. Upon completion of this program, graduates will have basic knowledge of network administration, hardware/software interface and troubleshooting, operating systems, and design skills.

Upon successful completion of the Information Technology Program, graduates will be able to:

- Apply basic system administration and scripting techniques
- Apply the foundation of management information systems
- Perform routine maintenance and repairs on the personal computer (PC)
- Install and troubleshoot operating systems
- Design an interactive website
- Demonstrate knowledge regarding information systems
- Design and manage a database
- Demonstrate basic knowledge of networking
- Demonstrate a basic knowledge of business organization and procedures
- Demonstrate effective communication skills
- Develop scientific knowledge and mathematical analytical skills and techniques
- Demonstrate global awareness and knowledge of human diversity

Program implementation: **Full-time day** (students attending part-time should contact an advisor for recommended course sequencing)

Recommended Course Sequence – Information Technology, Associate in Applied Science

First Year–Fall Semester				First Year–Spring Semester			
Dept.		Course Title	Sem. Hrs.	Dept.		Course Title	Sem. Hrs.
BUS	101	Introduction to Business	3	BUS	203	Communications in Business OR	3
CIS	114	Introduction to Computer Applications and Concepts	3	ENL	102	English Composition II	(3)
CIS	122	Introduction to Information Systems	3	CIS	121	Database Management Software	3
ENL	101	English Composition I	3	IT	134	Networking Fundamentals	3
Elective		Math Elective (MTH 121 or higher)	3	IT	180	PC Repair and Troubleshooting	3
				SSC	147	Understanding Human Diversity	3
Total Semester Hours			15	Total Semester Hours			15
Second Year–Fall Semester				Second Year–Spring Semester			
Dept.		Course Title	Sem. Hrs.	Dept.		Course Title	Sem. Hrs.
CIS	119	Spreadsheet Software	3	CIS	133	Introduction to Web Design	3
IT	181	Operating Systems	3	IT	276	IT Capstone OR	3
Elective		IT Elective	3	IT	278	IT Internship	(3)
Elective		IT Elective	3	Elective		IT Elective	3
Elective		Science Elective	3	Elective		IT Elective	3
				Elective		IT Programming Elective	3
Total Semester Hours			15	Total Semester Hours			15

Programming Elective (Select 1 course – 3 credit hours)

Dept.	Course Title	Sem. Hrs.
IT	192 Introduction to Programming in Visual Basic	3
IT	194 Introduction to Programming Java	3
IT	198 Introduction to C# Programming	3
IT	233 Introduction to Web Programming	3

^Cost of Attendance is available at:
www.easternwv.edu/documents/financial-aid/cost-attendance

IT Electives (Select 4 courses – 12 credit hours)

Dept.	Course Title	Sem. Hrs.
IT	192 Introduction to Programming in Visual Basic	3
IT	194 Introduction to Programming Java	3
IT	198 Introduction to C# Programming	3
IT	220 Windows Server Administration Fundamentals	3
IT	228 Systems Analysis and Design	3
IT	229 Introduction to Digital Forensics	3
IT	233 Introduction to Web Programming	3
IT	234 Database Administration Fundamentals	3
IT	269 Project Management	3
IT	275 Security Fundamentals	3

Students enrolled in this program may be eligible for related Skill Set Certifications. Students should contact their academic program advisor, or refer to the Skill Set section in Eastern’s 2019-2020 Catalog (page 101) for additional information.

Median loan debt upon completion: N/A

Financial Aid is available for those who qualify
 See Gainful Employment Disclosure in Eastern’s
 2019-2020 Catalog (page 26) for more information.