

ASSOCIATE OF APPLIED SCIENCE PROGRAMS

TECHNOLOGY - COMPUTER INFORMATION TECHNOLOGY - PROGRAMMING EMPHASIS

Programmers play an important role in writing code for computer programs and applications that improve efficiencies. As well, programmers are involved in maintaining, debugging and troubleshooting systems and software to ensure smooth operations.

Required Courses

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|--|--|-----------------|
| TOTAL REQUIREMENTS | | 62 Units |
| PROGRAM REQUIREMENTS | | 41 Units |
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 217 | Security+ | 3 |
| CIT 263 | Introduction to IT Project Management | 3 |
| Programming emphasis requirements: | | |
| CIT 130 | Beginning Java | 3 |
| CIT 148 | Beginning Python Programming | 3 |
| Program Elective – Programming - choose 3 units from the following: | | 3 |
| CIT 134 | Beginning C# Programming | |
| CIT 230 | Advanced Java | |
| CIT 248 | Advanced Python Programming | |
| CS 135 | Computer Science I | |
| Program Elective – Web Development - choose 3 units from the following: | | 3 |
| CIT 151 | Beginning Web Development | |
| CIT 152 | Web Script Language Programming | |
| CIT 251 | Advanced Web Development | |
| Program Elective – Database – choose 3 units from the following: | | 3 |
| CIT 180 | Database Concepts and SQL | |
| INF 100 | Introduction to Informatics I – Basic Concepts | |
| Program Elective – Specialty – choose 6 units from the following: | | 6 |
| CIT 280 | Introduction to Blockchain Concepts | |
| CIT 281 | Intermediate Blockchain Concepts | |
| CIT 284 | Unity Programming I | |
| CIT 285 | Unity Programming II | |
| Department Elective – Any Computer Information Technology (CIT) course | | 3 |
| GENERAL EDUCATION REQUIREMENTS | | 21 Units |
| English/Communications: <i>Must include a writing course</i> | | 6 |

Associate of Applied Science Programs

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| Mathematics Requirement: <i>Recommended MATH 124</i> | 3 |
| Science Requirement | 3 |
| Human Relations Requirement | 3 |
| Humanities/Social Science Requirement | 3 |
| U.S. Nevada Constitution Requirement | 3 |
| Please see the Associate of Applied Science page for a list of all courses filling general education requirements. | |

Suggested Course Sequence

| COMPUTER INFORMATION TECHNOLOGY -Programming Emphasis - Associate of Applied Science | | | |
|---|--------------|---------------------------|--------------|
| First Semester | Units | Third Semester | Units |
| CIT 114 | 4 | CIT 112 | 3 |
| CIT 128 | 4 | CIT 217 | 3 |
| ENG 101 | 3 | CIT 148 | 3 |
| Mathematics | 3 | ENG 102 or 107 | 3 |
| Human Relations | 3 | Humanities/Social Science | 3 |
| Second Semester | Units | Fourth Semester | Units |
| CIT 130 | 3 | CIT 263 | 3 |
| CIT 134 | 3 | CIT 285 | 3 |
| CIT 151 | 3 | CIT 180 | 3 |
| CIT 284 | 3 | Department Elective | 3 |
| Science | 3 | U.S./NV Constitution | 3 |