ASSOCIATE OF APPLIED SCIENCE PROGRAMS

TECHNOLOGY - COMPUTER INFORMATION TECHNOLOGY - BACK END DEVELOPER EMPHASIS

Back-end developers build and maintain the mechanisms that process data and perform the unseen actions on websites. This program emphasis will allow students to develop critical skills in data storage, security and various server-side functions.

Required Courses

TOTAL REQUIREMENTS		64 Units
PROGRAM REQUIREMENTS		**43 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
Back End Developer emphasis requirements:		
CIT 220	Routing and Switching	4
CIT 270	Network Tools	4
CIT 130	Beginning Java	3
CIT 148	Beginning Python Programming	3
CIT 230 or **CIT 248**	Advanced Java Advanced Python Programming	3
Program Elective – System Administration - *choose 6 units from the following:*		6
CIT 211	Microsoft Operating System Management	
CIT 212	Microsoft Networking II	
CIT 214	Microsoft Azure Administration	
CIT 173	Introduction to Linux	
Program Elective – Database - *choose 3 units from the following:*		3
CIT 180	Database Concepts and SQL	
INF 100	Introduction to Informatics	
GENERAL EDUCATION REQUIREMENTS		**21**
English/Communications: *Must include a writing course*		6
Mathematics Requirement: *Recommended MATH 124*		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 - Back End Developer 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	CIT 180	3
Human Relations	3	ENG 102 or 107	3
Second Semester	**Units**	**Fourth Semester**	**Units**
CIT 220	4	CIT 230 or 248	3
CIT 130	3	CIT 263	3
CIT 211	3	CIT 212	3
Humanities/Social Science	3	CIT 270	4
Science	3	U.S./NV Constitution	3