

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree prepares students for employment in fields related primarily to computer software. Core courses cover the fundamental knowledge areas and the CIT Concentrations cover specific software skill sets. The department will award a Certificate of Completion for each CIT Concentration successfully completed by the student.

**STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:**

- Demonstrate basic computer software knowledge and skills.
- Demonstrate basic computer programming knowledge and skills.
- Demonstrate basic computer networking knowledge and skills.
- Demonstrate basic computer security knowledge and skills.
- Demonstrate basic project management knowledge and skills.

**GENERAL EDUCATION REQUIREMENTS (25 Credits):**

	CR	SEMESTER
<b>COMMUNICATIONS:</b> COM 101, 102, 215	3-5	_____
<b>ENGLISH:</b> ENG 100, 101, 107, 113	3-5	_____
<b>HUMAN RELATIONS:</b> ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
<b>MATHEMATICS:</b> MATH 104B, 111B, 116 or above (except MATH 122, 123)	3	_____
<b>SCIENCE:</b> CHEM 103 or above, EGG 131, 132, ENV 101 or above, GEOG 103, 104, 117, GEOL 100 or above, PHYS 110 or above	6	_____
<b>FINE ARTS/HUMANITIES/ SOCIAL SCIENCES:</b> AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
<b>U.S. AND NEVADA CONSTITUTIONS:</b> PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

**SPECIAL PROGRAM REQUIREMENTS (35 Credits):**

	CR	SEMESTER
<b>IS 101</b> Introduction to Information Systems	3	_____
<b>IS 115</b> Introduction to Programming	3	_____
<b>CIT 160</b> Introduction to Computer Security	3	_____
<b>CIT 211</b> MCITP/MCTS Windows Workstation OS	3	_____
<b>CIT 263B</b> Project Management	3	_____
<b>Plus 5 Credits From the following</b> ACC 201, CF, CIT, CS, CSCO, EGG 131, 132, GIS, GRC 103, 175	5	_____

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	CR	SEMESTER
<b>FOR COMPUTER APPLICATIONS:</b>		
<b>ACC 223B</b> Introduction to QuickBooks	3	_____
<b>CIT 154B</b> Dynamic Web Applications	3	_____
<b>CIT 201B</b> Word Certification Preparation	3	_____
<b>CIT 202B</b> Excel Certification Preparation	3	_____
<b>CIT 203B</b> Access Certification Preparation	3	_____
<b>FOR DATABASE:</b>		
<b>CIT 180</b> Database Concepts and SQL	3	_____
<b>CIT 181</b> Introduction to Oracle	3	_____
<b>CIT 183</b> Database Administration	3	_____
<b>CIT 184</b> Oracle PL/SQL Programming I	3	_____
<b>CIT 285B</b> Advanced Database Topics	3	_____
<b>FOR GIS:</b>		
<b>GIS 109</b> Introduction to Geographic Information Systems	3	_____
<b>GIS 111</b> Introduction to Remote Sensing	3	_____
<b>GIS 205</b> GIS Applications	3	_____
<b>GIS 214B</b> Customizing ArcGIS Using .NET Framework	3	_____
<b>GIS 236</b> GIS Applications II	3	_____
<b>FOR IT ESSENTIALS:</b>		
<b>CIT 110</b> A+ Hardware	3	_____
<b>CIT 111</b> A+ Software	3	_____
<b>CIT 112B</b> Network+	3	_____
<b>CIT 173</b> Introduction to Linux	3	_____
<b>CIT 217</b> Security+	3	_____
<b>FOR PROGRAMMING:</b>		
Must choose 5 courses AND must complete BOTH beginning and advanced courses for 2 languages.		
<b>JAVA</b>		
<b>CIT 130</b> Beginning Java	3	_____
<b>CIT 230</b> Advanced Java	3	_____
<b>C</b>		
<b>CIT 131</b> Beginning C	3	_____
<b>CIT 231</b> Advanced C	3	_____
<b>VB.NET</b>		
<b>CIT 132</b> Beginning Visual Basic	3	_____
<b>CIT 232</b> Advanced Visual Basic	3	_____
<b>C++</b>		
<b>CIT 133</b> Beginning C++	3	_____
<b>CIT 233</b> Advanced C++	3	_____
<b>FOR WEB DEVELOPMENT:</b>		
<b>CIT 151</b> Beginning Web Development	3	_____
<b>CIT 152</b> Web Script Language Programming	3	_____
<b>CIT 251</b> Advanced Web Development	3	_____
<b>CIT 252</b> Web Database Development	3	_____
<b>CIT 257</b> Web Languages	3	_____

60  
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.