

**Associate in Applied Science  
Computer Technology (AAS.CPT.PROG 35104)  
Programming**

**Total Credit Hours: 69  
Effective: Fall 2016**

**Graduation Plan**

<b>First Semester</b>			
	<b>Credit Hours</b>	<b>Prerequisites &amp; Co-requisites</b>	<b>Done</b>
COL 101 College Orientation	1		<input type="checkbox"/>
*CPT 168 Programming Logic and Design	3		<input type="checkbox"/>
*CPT 170 Microcomputer Applications	3	Recommended: AOT 101, AOT 105, or equivalent	<input type="checkbox"/>
*ENG 101 English Composition I	3	RDG 100, ENG 032 or equivalent	<input type="checkbox"/>
*IST 188 Hardware Basics and Operating Systems	5	ENG 032, RDG 031, MAT 032 or equivalent – Minimum grade of C	<input type="checkbox"/>
*MAT 110 College Algebra	3	MAT 102 - Minimum grade of C	<input type="checkbox"/>
<b>TOTAL</b>	<b>18</b>		

**Second Semester**

	<b>Credit Hours</b>	<b>Prerequisites &amp; Co-requisites</b>	<b>Done</b>
*CPT 212 Visual Basic Programming	3	CPT 168 and IST 188 – Minimum grades of C	<input type="checkbox"/>
*CPT 230 C# Programming I	3	IST 188 and CPT 168 – Minimum grades of C, MAT 102	<input type="checkbox"/>
*CPT 270 Advanced Microcomputer Applications	3	CPT 170	<input type="checkbox"/>
ENG 160 Technical Communications	3	ENG 101 or equivalent – Minimum grade of C	<input type="checkbox"/>
HSS 205 Technology and Society	3	ENG 032 or equivalent – Minimum grade of C	<input type="checkbox"/>
*IST 226 Internet Programming	3		<input type="checkbox"/>
<b>TOTAL</b>	<b>18</b>		

**Third Semester**

	<b>Credit Hours</b>	<b>Prerequisites &amp; Co-requisites</b>	<b>Done</b>
*CPT 231 C# Programming II	3	CPT 230 – Minimum grade of C	<input type="checkbox"/>
*CPT 236 JAVA Programming I	3	CPT 168 and CPT 188 – Minimum grades of C	<input type="checkbox"/>
*CPT 242 Database	3	CPT 168 – Minimum grade of C	<input type="checkbox"/>
ECO 210 Macroeconomics OR		ENG 032 or equivalent	<input type="checkbox"/>
ECO 211 Microeconomics OR		ENG 032 or equivalent	<input type="checkbox"/>
PSC 201 American Government OR		ENG 032 or equivalent	<input type="checkbox"/>
PSY 201 General Psychology	3	ENG 032 or equivalent	<input type="checkbox"/>
MAT 165 Statistics	3	MAT 101 ENG 032 or equivalent - Minimum grade of C	<input type="checkbox"/>
SPC 205 Public Speaking	3	ENG 032 or equivalent	<input type="checkbox"/>
<b>TOTAL</b>	<b>18</b>		

\* Courses in this program that require a minimum grade of "C."

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<b>Fourth Semester</b>			
	<b>Credit Hours</b>	<b>Prerequisites &amp; Co-requisites</b>	<b>Done</b>
*CPT 244 Data Structures	3	CPT 230 – Minimum grade of C and MAT 110	<input type="checkbox"/>
*CPT 264 Systems and Design	3	CPT 212 or CPT 230 or CPT 236 – Minimum grade of C	<input type="checkbox"/>
*IST 220 Data Communications	3		<input type="checkbox"/>
*IST 272 Relational Database	3	CPT 242 – Minimum grade of C	<input type="checkbox"/>
*CPT 213 Visual Basic II OR		CPT 212 – Minimum grade of C	<input type="checkbox"/>
*CPT 232 C++ Programming I OR		CPT 168 and IST 188 – Minimum grades of C	<input type="checkbox"/>
*CPT 237 Advanced JAVA Programming OR		CPT 236 – Minimum grade of C	<input type="checkbox"/>
*CPT 238 Internet Scripting OR		CPT 236 and IST 226 – Minimum grades of C	<input type="checkbox"/>
*CPT 246 Introduction to XML	3	IST 188, IST 226 and CPT 168 – Minimum grades of C	<input type="checkbox"/>
<b>TOTAL</b>	<b>15</b>		

\* Courses in this program that require a minimum grade of “C.”