

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

**Total Credit Hours: 66
Effective: Fall 2021**

Completion Plan

First Semester			
	Credit Hours	Prerequisites	Recommended Term(s)
COL 101 College Orientation	1		1 st 8-weeks (Recommended same term as IST-188)
*IST 188 Hardware Basics and Operating Systems	5	RWR 032 or equivalent MAT 033 or equivalent Minimum grade of C	16-week (Fall and Spring Only)
*CPT 170 Microcomputer Applications	3		1 st 8-weeks
*CPT 168 Programming Logic and Design	3		2 nd 8-weeks
*IST 220 Data Communications	3		2 nd 8-weeks
*MAT 110 College Algebra	3	MAT 105 or equivalent Minimum grade of C	2 nd 8-weeks
TOTAL	18		

Second Semester

	Credit Hours	Prerequisites	Recommended Term(s)
*CPT 270 Advanced Microcomputer Applications	3	CPT 170 Minimum grade of C	1 st 8-weeks
*CPT 230 C# Programming I	3	IST 188 and CPT 168 Minimum grade of C MAT 105 or equivalent	1 st 8-weeks
*CPT 236 JAVA Programming I	3	CPT 168 and CPT 188 Minimum grades of C	1 st 8-weeks
*CPT 242 Database	3	CPT 168 Minimum grade of C	2 nd 8-weeks
*CPT 231 C# Programming II	3	CPT 230 Minimum grade of C	2 nd 8-weeks
*ENG 101 English Composition I	3	ENG 032 or equivalent	2 nd 8-weeks
TOTAL	18		

Third Semester

	Credit Hours	Prerequisites	Recommended Term(s)
*CPT 264 Systems and Design	3	CPT 230 or CPT 236 Minimum grade of C	16-week (Fall and Spring Only)
*IST 226 Internet Programming	3		1 st 8-weeks
*IST 272 Relational Database	3	CPT 242 Minimum grade of C	1 st 8-weeks
ENG 160 Technical Communications	3	ENG 101 or equivalent	2 nd 8-weeks

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

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		Minimum grade of C	
MAT 120 Probability and Statistics	3	MAT 102 or MAT 103 or MAT 105 or equivalent Minimum grade of C	2 nd 8-weeks
TOTAL	15		
Fourth Semester			
	Credit Hours	Prerequisites	Recommended Term(s)
SPC 205 Public Speaking	3	Co-requisite ENG 032 or equivalent	1 st 8-weeks
HSS 205 Technology and Society	3	Co-requisite ENG 032 or equivalent	1 st 8-weeks
*CPT 244 Data Structures	3	CPT 230 Minimum grade of C MAT 110 or equivalent	2 nd 8-weeks
*CPT 232 C++ Programming I OR *CPT 237 Advanced JAVA Programming OR *CPT 238 Internet Scripting OR *CPT 246 Introduction to XML	3	CPT 168* and IST 188* CPT 236* CPT 236* and IST 226* IST 188*, IST 226* and CPT 168* *Minimum grade of C	2 nd 8-weeks
@ Social Science Course	3	Co-requisite ENG 032 or equivalent	2 nd 8-weeks
TOTAL	15		

@ Social Science Course Options: ECO 210 Macroeconomics, ECO 211 Microeconomics, PSC 201 American Government, or PSY 201 General Psychology

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