

Gateway S.M.A.R.T. Plan

Associate in Applied Science: Computer Information Technologies – Programming Track

Recommended Semester 1

Courses	Cr	Grade	Offered
CIT 105 Introduction to Computers	3		All
MAT 161 Statistics and Algebra (or MAT 126 or higher level Quantitative Reasoning course)	3-5		All

Recommended Semester 2

Courses	Cr	Grade	Offered
CIT 111 Computer Hardware and Software	4		Fall/Spring
CIT 120 Computational Thinking	3		Fall/Spring
CIT 160 Intro to Networking Concepts	4		Fall/Spring
ENG 101 Writing I	3		All
Social/Behavioral Science General Education course	3		All

Recommended Semester 3

Courses	Cr	Grade	Offered
CIT 149 Java I	3		Fall/Spring
CIT 170 Database Design Fundamentals	3		Fall/Spring
CIT 180 Security Fundamentals	3		Fall/Spring
CIT 217 UNIX/Linux Administration	3		Fall/Spring

Recommended Semester 4

Courses	Cr	Grade	Offered
CIT 155 Web Page Development	3		Fall
CIT 171 SQL I	3		Fall/Spring
CIT 249 Java II	3		Fall
Natural Science General Education course	3		All

Recommended Semester 5

Courses	Cr	Grade	Offered
CIT 144 Python I	3		Fall/Spring
CIT 238 Android Programming I (or any level II Programming Language course)	3		Spring
CIT 253 Data Driven Web Pages	3		Spring
CIT 293 Employability Studies	1		Fall/Spring
Heritage or Humanities General Education course	3		All

Notes

- Progression in the program is contingent upon achievement of a grade C or greater in each CIT course and maintenance of a 2.0 cumulative GPA or above (on a 4.0 scale).
- At least 25 percent of the approved curriculum for any certificate, diploma or degree must be completed at the student's home college.

Updated 4/2/20



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