

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

Associate in Applied Science: Computer Information Technologies – Cloud Computing Technologies Track

Recommended Semester 1

Courses	Cr	Grade	Offered
CIT 105 Introduction to Computers	3		All
ENG 101 Writing I	3		All
MAT 161 Statistics and Algebra (or MAT 126 or higher level Quantitative Reasoning course)	5		All
Natural Science General Education course	3		All

Recommended Semester 2

Courses	Cr	Grade	Offered
CIT 111 Computer Hardware and Software (pre-req CIT 105)	4		Fall/Spring
CIT 120 Computational Thinking(pre-req MAT 85 or higher level Quantitative Reasoning course)	3		Fall/Spring
CIT 161 Introduction to Networks (pre-req CIT 111)	4		Online
CIT 170 Database Design Fundamentals (pre-req CIT 105 and (MAT 126 or higher level Quantitative Reasoning course))	3		Fall/Spring

Recommended Semester 3

Courses	Cr	Grade	Offered
CIT 167 Switching & Routing Essentials (pre-req CIT 161)	4		Summer
Social/Behavioral Science General Education course	3		All

Recommended Semester 4

Courses	Cr	Grade	Offered
CIT 201 Information Storage Management (pre-req CIT 167 and (CIT 214 or CIT 217))	3		Fall
CIT 206 Amazon Web Services Practitioner (pre-req CIT 161 and CIT 170)	3		Fall
CIT 213 Microsoft Client Configuration (pre-req CIT 111 and CIT 160)	3		Fall
CIT 217 UNIX/Linux Administration (pre-req CIT 111 and (CIT 160 or CIT 161))	3		Fall/Spring
Heritage or Humanities General Education course	3		All

Recommended Semester 5

Courses	Cr	Grade	Offered
CIT 144 Python I (pre-req CIT 120)	3		Fall/Spring
CIT 180 Security Fundamentals (pre-req CIT 160)	3		Fall/Spring
CIT 207 Amazon Web Services Architecting (pre-req CIT 206 and CIT 167)	3		Spring
CIT 262 Microsoft Server Infrastructure (pre-req CIT 111 and CIT 160)	3		Spring
CIT 293 Employability Studies (Sophomore only)	1		Fall/Spring

Notes

- Consent of Instructor may be used in place of the prerequisite for a course.
- 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 2/23/21



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