Cloud Infrastructure (A25590CI)
A.A.S. Degree (Full-Time)
PROGRAM PLANNING GUIDE

Updated: FALL 2024

Curriculum By Semester						
				Hours Per Week		
				Class	Lab	Credits
FALL SEMESTER			**Prerequisites**			
CTI	110	Web, Pgm, & Db Foundation	None	2	2	3
CTI	120	Network & Sec Foundation	None	2	2	3
NOS	110	Operating Systems Concepts	None	2	3	3
ENG	111	Writing and Inquiry	Take One: DRE-097, ENG-002 or BSP-4002; Co-req ENG-011	3	0	3
		Mathematics Elective		2	2	3
SPRING SEMESTER						
CTI	140	Virtualization Concepts	NOS-110	1	4	3
NET	125	Introduction to Networks	CTI-120 or NET-110	1	4	3
NET	126	Routing Basics	NET-125	1	4	3
NOS	120	Linux/Unix Single User	NOS-110 or CTS-120	2	2	3
NOS	130	Windows Single User	NOS-110	2	2	3
SUMMER SEMESTER						
		Humanities and Fine Arts Elective		-	-	3
CSC	121	Python Programming	CTI-110	1	4	3
FALL SEMESTER						
CTI	141	Cloud and Storage Concepts	None	1	4	3
CTI	240	Virtualization Administration I	CTI-140	1	4	3
NOS	220	Linux/Unix Administration I	NOS-120	2	2	3
NOS	230	Windows Administration I	NOS-130	2	2	3
		English and Communications Elective		-	-	3

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SPRING SEMESTER						
CTS	115	Info Sys Business Concepts	ENG-002 or ENG-111	3	0	3
CTI	241	Virtualization Admin II	CTI-240	1	4	3
CTS	285	Systems Analysis and Design	None	3	0	3
		Project Elective		-	-	2
		Social and Behavioral Sciences Elective		-	-	3

GRADUATION REQUIREMENT: **Credit Hours**   **65**

General Education Electives				Hours Per Week		
				Class	Lab	Credits
Humanities and Fine Arts Electives						
(Chose 3 credit hours from the following courses)						
HUM	110	Technology and Society		3	0	3
HUM	115	Critical Thinking		3	0	3
PHI	240	Introduction to Ethics		3	0	3
Social and Behavioral Sciences Electives						
(Chose 3 credit hours from the following courses)						
ECO	151	Survey of Economics		3	0	3
ECO	251	Principles of Microeconomics		3	0	3
PSY	118	Interpersonal Psychology		3	0	3
PSY	150	General Psychology		3	0	3
SOC	210	Introduction to Sociology		3	0	3
Mathematics Electives						
(Chose 3 credit hours from the following courses)						
MAT	121	Algebra/Trigonomtery I		2	2	3

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MAT	143	Quantitative Literacy		2	2	3
MAT	171	Precalculus Algebra (Select for College T'fer)		3	2	4
MAT	172	Precalculus Trigonometry		3	2	4
MAT	271	Calculus I (Select for College T'fer)		3	2	4
English and Communication Electives						
(Chose 3 credit hours from the following courses)						
ENG	112	Writing and Research in the Disciplines		3	0	3
COM	120	Intro to Interpersonal Communications		3	0	3
COM	231	Public Speaking		3	0	3
Required Major Electives						
Project Elective						
(Chose either WBL or CTI-260)						
CTI	260	Data Center Troubleshooting	CTI-240 and NET-126	2	2	3
WBL*		Work Based Learning (Any ***MH Number)		-	-	2

*Work based learning is an elective. WBL courses completed for one program may not count toward the completion of another program. For verification, please contact your academic advisor or the WBL Coordinator. Students must have approval from the Program Director and pre-register with the Work-Based Learning Office. The work may be done over any number of semesters, a minimum of 2 WBL credits must be earned.