IT - Computer Engineering (A25590CE)
A.A.S. Degree (Day)
PROGRAM PLANNING GUIDE

Revised: Fall 2018

Origination Date: Fall 2017

Courses taken more than 5 yrs. ago may not receive transfer credit. Consult your advisor for details.

Curriculum By Semester					
			Class	Lab	Credits
FIRST SEMESTER					
CTI	110	Web, Programming and Database Foundations	2	2	3
CTI	120	Network and Security Foundations	2	2	3
ENG	111	Writing and Inquiry	3	0	3
MAT	143	Quantitative Literacy	2	2	3
NOS	110	Operating System Concepts	2	3	3
SECOND SEMESTER					
CTS	120	Hardware/Software Support	2	3	3
ELC	131	Circuit Analysis I	3	3	4
EGR	131	Intro to Electronics Technologies	0	3	2
NOS	130	Windows Single User	2	2	3
NOS	230	Windows Admin I	2	2	3
SUMMER SEMESTER					
ELN	131	Analog Electronics I	3	3	4
THIRD SEMESTER					
		Social and Behavioral Sciences Elective	-	-	3
CSC	133	C Programming	2	3	3
CTS	115	Info Sys Business Concepts	3	0	3
CTS	118	IS Professional Comm	2	0	2
ELN	133	Digital Electronics	3	3	4
OMT	154	Customer Satisfaction	2	0	2
FOURTH SEMESTER					
CTS	220	Advanced Hardware/Software Support	2	3	3
CTS	288	Professional Practices in IT	2	2	3
ENG	114	Professional Research and Reporting	3	0	3
		Major Elective	-	-	2
		Humanities and Fine Arts Elective	-	-	3

GRADUATION REQUIREMENT: **Credit Hours   65**

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General Education Electives			
		Hours Per Week	
		Class	Lab	Credits

Humanities and Fine Arts Electives					
(choose 3 credit hours from the following courses)					
ART	111	Art Appreciation	3	0	3
HUM	115	Critical Thinking	3	0	3
MUS	110	Music Appreciation	3	0	3
PHI	240	Introduction to Ethics	3	0	3

Social and Behavioral Sciences Electives					
(choose 3 credit hours from the following courses)					
ECO	151	Survey of Economics	3	0	3
ECO	251	Principles of Microeconomics	3	0	3
POL	120	American Government	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

Required Major Electives					
(choose a minimum of 3 credit hours from the following courses)					
CSC	116	Introduction to Functional Programming	2	2	3
CSC	120	Computing Fundamentals I	3	2	4
CSC	121	Python Programming	2	3	3
CSC	134	C ++ Programming	2	3	3
CSC	139	Visual BASIC Programming	2	3	3
CSC	151	Java Programming	2	3	3
DBA	110	Database Concepts	2	3	3
DBA	115	Database Applications	2	2	3
NET	125	Introduction to Networks	1	4	3
NOS	120	Linux/UNIX Single User	2	2	3
SEC	110	Security Concepts	2	2	3
WBL		Work-Based Learning* (all numbers accepted)	-	30	3

* 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 your departmental WBL faculty 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, but the total elective credits must add up to 3.

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Curriculum By Semester				Hours Per Week		
				Class	Lab	Credits
FIRST SEMESTER						
CTI	110	Web, Programming and Database Foundations		2	2	3
ENG	111	Writing and Inquiry		3	0	3
MAT	143	Quantitative Literacy		2	2	3
NOS	110	Operating System Concepts		2	3	3
SECOND SEMESTER						
CTI	120	Network and Security Foundations		2	2	3
ELC	131	Circuit Analysis I		3	3	4
EGR	131	Intro to Electronics Technologies		0	3	2
SUMMER SEMESTER						
CTS	120	Hardware/Software Support		2	3	3
ELN	131	Analog Electronics I		3	3	4
THIRD SEMESTER						
CSC	133	C Programming		2	3	3
ELN	133	Digital Electronics		3	3	4
		HUM/FA Elective		-	-	3
FOURTH SEMESTER						
NOS	130	Windows Single User		2	2	3
NOS	230	Windows Admin I		2	2	3
		Social and Behavioral Sciences Elective		-	-	3
SUMMER SEMESTER						
CTS	115	Info Sys Business Concepts		3	0	3
FIFTH SEMESTER						
CTS	118	IS Professional Comm		2	0	2
ENG	114	Professional Research and Reporting		3	0	3
OMT	154	Customer Satisfaction		2	0	2
SIXTH SEMESTER						
CTS	220	Advanced Hardware/Software Support		2	3	3
CTS	288	Professional Practices in IT		2	2	3
SUMMER SEMESTER						
		Major Elective		-	-	2

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(choose a minimum of 2 credit hours from any of the courses listed below)				
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