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

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
ELC	131A	Circuit Analysis I Lab	0	3	1
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

Hours Per Week

GRADUATION REQUIREMENT: **Credit Hours   64**

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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 education is an elective. 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.

IT - Computer Engineering (A25590CE)
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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
ELC	131A	Circuit Analysis I Lab	0	3	1
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

GRADUATION REQUIREMENT: **Credit Hours   64**

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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 2 credit hours from any of the courses listed below)					
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
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