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

Revised: Fall 2019
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	112	Writing and Research in the Disciplines	3	0	3
		Major Elective	-	-	2
		Humanities and Fine Arts Elective	-	-	3

GRADUATION REQUIREMENT: **Credit Hours   65**

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

General Education Electives					
			Hours Per Week		
			Class	Lab	Credits
Humanities and Fine Arts Electives					
(choose 3 credit hours from the following courses)					
HUM	115	Critical Thinking	3	0	3
HUM	110	Technology and Society	3	0	3
PHI	240	Introduction to Ethics	3	0	3
Social and Behavioral Sciences Electives					
(choose 3 credit hours from the following courses)					
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 the following courses)					
CSC	120	Computing Fundamentals I	3	2	4
WBL		Work-Based Learning	-	20	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 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.

Computer Engineering (A25590CE)
A.A.S. Degree (Evening)
PROGRAM PLANNING GUIDE

Revised: Fall 2019

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

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	112	Writing/Research in the Disc	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   65**

Computer Engineering (A25590CE)
A.A.S. Degree (Evening)
PROGRAM PLANNING GUIDE

General Education Electives					
			Hours Per Week		
			Class	Lab	Credits
Humanities and Fine Arts Electives					
(choose 3 credit hours from the following courses)					
HUM	115	Critical Thinking	3	0	3
HUM	110	Technology and Society	3	0	3
PHI	240	Introduction to Ethics	3	0	3
Social and Behavioral Sciences Electives					
(choose 3 credit hours from the following courses)					
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	120	Computing Fundamentals I	3	2	4
WBL		Work-Based Learning	-	20	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 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.