

## Sample Plan of Study - CET

### Sample Plan of Study

#### Computer Engineering Technology - without summer semesters

##### Freshman Year

Semester 1				Semester 2			
Course	Title	Cr.	Pre/ConP	Course	Title	Cr.	Pre/ConP
CPET 101	Electrical Circuits	4	ConP: MA 159 or MA 165	CPET 190	Problem Solving with MATLAB	3	MA 159 or ConP: MA 165
ENGL 100	English for Academic Studies	3	none	ECET 152	Electric Circuits II	4	CPET 101 or ECET 107 or ECET 201 ConP: MA 159 or MA 165 or MAT 125
CPET 181	Computer Operating Systems Basics	3	none	ECET 111	Introduction to Digital System Design I	4	none
MA 159	Precalculus	5	none	GEE	General Education Elective	1	
GEE	General Education Elective	1		MA 227	Calculus for Technology I	4	Placement Test or MA 158 or MA 159 or MAT 110
<b>Semester Credits = 16</b>				<b>Semester Credits = 16</b>			

##### Sophomore Year

Semester 3				Semester 4			
Course	Title	Cr.	Pre/ConP	Course	Title	Cr.	Pre/ConP
ECET 146	Introduction to Digital System Design II	4	ECET 111	CPET 281	Introduction to Computer Communication Networks	3	CPET 181
ENGL 106	English Composition	3	ENGL 100	ECET 205	Introduction to Microprocessors	4	ECET 111, ConP: ECET 264
ECET 204	Analog Electronics II	4	ECET 152 or ECET 207, or ECET 202	ECET 296	Electronic System Fabrication	3	ECET 204 or ECET 255 and ECET 208
ECET 264	C Programming Language Applications	3	MA 159 or MA 165 or MAT 125	COM 114	Fundamentals Speech Communication	3	ENGL 100
GEE	General Education Elective	2	CPET 190 or ET 131	PHYS 218	Modern Mechanics	4	Pre: MA 159 or MAT 125 or MAT 175 or MA 161 or MA 223 or ConP: MA 165 or MA 227
<b>Semester Credits = 16</b>				<b>Semester Credits = 17</b>			

**Total Credits = 65**

*The sample plan of study is designed for a full time student within an ordinary graduation period between two and three years.*

### Sample Plan of Study

#### **Computer Engineering Technology - without summer semesters**

##### Freshman Year

<b>Semester 1</b>				<b>Semester 2</b>			
<b>Course</b>	<b>Title</b>	<b>Cr.</b>	<b>Pre/ConP</b>	<b>Course</b>	<b>Title</b>	<b>Cr.</b>	<b>Pre/ConP</b>
ECET 201	Linear Circuit Analysis I	3	ConP: MA 165 or MA 227	ECET 202	Linear Circuits Analysis II	3	ECET 201, ConP: MA 165, or MA 227
ECET 200	Electronic Measurement Techniques Lab	1	ConP: ECET 201	ECET 203	Linear Circuits Analysis II Lab	1	ECET 200, or CPET 101 or ECET 107, ConP: ECET 202
ENGL 100	English for Academic Studies	3	none	ECET 111	Introduction to Digital System Design I	4	none
MA 165	Analytic Geometry and Calculus I	4	Pre: Placement Test or Pre: MA 158, or MAT 110 or ConP: MA 159 or ConP: MA 160	CPET 181	Computer Operating Systems Basics	3	none
MA 160	College Algebra and Trigonometry	0	none	ECET 264	C Programming Language Applications	3	CPET 190 or ET 131
ET 131	Transforming Ideas to Innovations I	2	none	GEE	General Education Elective	2	
GEE	General Education Elective	3					
<b>Semester Credits = 16</b>				<b>Semester Credits = 16</b>			

##### Sophomore Year

<b>Semester 3</b>				<b>Semester 4</b>			
<b>Course</b>	<b>Title</b>	<b>Cr.</b>	<b>Pre/ConP</b>	<b>Course</b>	<b>Title</b>	<b>Cr.</b>	<b>Pre/ConP</b>
ECET 146	Introduction to Digital System Design II	4	ECET 111	MA 166	Analytic Geometry and Calculus II	4	MA 165 or MA 227
ENGL 107	First Year Composition	4	ENGL 100	ECET 205	Introduction to Microprocessors	4	ECET 111, ConP: ECET 264
ECET 255	Introduction to Electronic Analysis and Design	3	ECET 201, ConP: MA 165 or MA 227	ECET 296	Electronic System Fabrication	3	ECET 204 or ECET 255 and ECET 208
ECET 208	Electronic Devices and Design Laboratory	1	ECET 200, or CPET 101 or ECET 107, ConP: ECET 255	COM 114	Fundamentals of Speech Communication	3	ENGL 100
CPET 281	Introduction to Computer Communication Networks	3	CPET 181	PHYS 218	Modern Mechanics	4	Pre: MA 159 or MAT 125 or MAT 175 or MA 161 or MA 223 or ConP: MA 165 or MA 227
<b>Semester Credits = 15</b>				<b>Semester Credits = 18</b>			

**Total Credits = 65**

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