Diploma Degree in Computer Engineering Technology (65 Credit Hours) - Work Sheet

Technology Core Requirements (38- 39 credit hours)

	Course Code	Course Title	CR	Pre-Req, ConP	Other Information	Term	Comments
☐	CPET 190	Problem Solving with MATLAB	3	Pre: MA 159 or ConP: MA 165			
or							
☐	ET 131	Transforming Ideas to Innovations I	2	None			
Linear Circuits Analysis (8 credits)							
☐	CPET 101	Electric Circuits	4	ConP: MA 159 or MA 165			
or							
☐	ECET 201	Linear Circuits Analysis I	3	ConP: MA 165 or MA 227			
☐	ECET 200	Electronic Measurement Techniques Lab	1	ConP: ECET 201			
and							
☐	ECET 152	Electric Circuits II	4	Pre:CPET101,or ECET107 or ECET201 ConP: MA159 or MA165 or MAT 125			
or							
☐	ECET 202	Linear Circuits Analysis II	3	Pre: CPET 101, or ECET 107 or ECET 201 ConP: MA 165, or MA 227			
☐	ECET 203	Linear Circuits Analysis II Lab	1	Pre: ECET 200, or CPET 101 or ECET 107 , ConP: ECET 202			
Digital Logic Circuits (8 credits)							
☐	ECET 111	Introduction to Digital System Design I	4	None			
☐	ECET 146	Introduction to Digital System Design II	4	Pre: ECET 111			
Electronics Circuits Analysis (4 credits)							
☐	ECET 204	Analog Electronics II	4	Pre: ECET152 or ECET207, or ECET202, and MA159 or MA165 or MAT 125			
or							
☐	ECET 255	Introduction to Electronic Analysis and Design	3	Pre: CPET 101, or ECET 107 or ECET 201 ConP: MA 165, or MA 227			

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☐	ECET 208	Electronic Devices and Design Laboratory	1	Pre: ECET 200,or CPET 101 or ECET 107, ConP: ECET 255			
Microprocessor Systems and Interfacing (4 credits)							
☐	ECET 205	Introduction to Microprocessors	4	Pre: ECET 111, ConP: ECET 264			
Computer Programming Fundamentals (3 credits)							
☐	ECET 264	C Programming Language Applications	3	Pre: CPET 190 or ET 131			
Computer Communication Networks (3 credits)							
☐	CPET 281	Introduction to Computer Communication Networks	3	Pre: CPET 181			
Operating Systems Fundamentals (3 credits)							
☐	CPET 181	Computer Operating Systems Basics	3	None			
Engineering Technology Project (3 credits)							
☐	ECET 296	Electronic System Fabrication	3	Pre: ECET204 or ECET255 and ECET 208			

Technology Core Req. Credits Planned (38 - 39): _____   Credits Completed: _____   Credits Remaining: _____

Math and Science Requirements (12 - 13 credit hours)
Quantitative Reasoning (8-9 credit hours)

	Course Code	Course Title	CR	Pre-Req, ConP	Other Information	Term	Comments
☐	**MA 159**	Precalculus	5	None			
☐	**MA 227**	Calculus for Technology I	4	Pre: Placement Test or MA 158 or MA 159 or MAT 110			
or							
☐	**MA 160**	College Algebra and Trigonometry	0	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			
☐	**MA 166**	Analytic Geometry and Calculus II	4	Pre: MA 165 or MA 227			

Quantitative Reasoning Credits Planned (8-9): _____   Credits Completed: _____   Credits Remaining: _____

Scientific Ways of Knowing (4 credit hours)

	Course Code	Course Title	CR	Pre-Req, ConP	Other Information	Term	Comments
☐	**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			

Scientific Ways of Knowing Credits Planned (4): _____   Credits Completed: _____   Credits Remaining: _____

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Liberal Arts Requirements (13 – 15 credit hours):

English Language and Communication Skills (9 – 10 credit hours)

	Course Code	Course Title	CR	Pre-Req, ConP	Term	Comments
☐	ENGL 100	English for Academic Studies	3	None		
☐	COM 114	Fundamentals of Speech Communication	3	Pre: ENGL 100		
and						
☐	ENGL 107	First-Year Composition	4	Pre: ENGL 100		
or						
☐	ENGL 106	English Composition	3	Pre: ENGL 100		

General Education Requirement (4 – 5 credit hours)

	Course Code	Course Title	CR	Pre-Req, ConP	Other Information	Term	Comments
☐							
☐							
☐							
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Liberal Arts Credits Planned (13-15): _____   Credits Completed: _____   Credits Remaining: _____

Total Credits Required for Degree: <u>65</u>   Total Credits Planned: _____   Total Credits Completed: _____   Total Credits Remaining: _____

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