

Work Sheet - Diploma Degree in Computer Engineering Technology (CET)

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

Minimum Technology Core Requirements (38- 39 credit hours)

	<u>Course Code</u>	<u>Course Title</u>	<u>CR</u>	<u>Pre-Req, ConP</u>	<u>Other Information</u>	<u>Term</u>	<u>Comments</u>
Engineering Technology Fundamentals (2 – 3 credits)							
<input type="checkbox"/>	CPET 190	Problem Solving with MATLAB	3	Pre: MA 159 or ConP: MA 165			
or							
<input type="checkbox"/>	ET 131	Transforming Ideas to Innovations I	2	None			
Linear Circuits Analysis (8 credits)							
<input type="checkbox"/>	CPET 101	Electrical Circuits	4	ConP: MA 159 or MA 165			
or							
<input type="checkbox"/>	ECET 201	Linear Circuit Analysis I	3	ConP: MA 165 or MA 227			
<input type="checkbox"/>	ECET 200	Electronic Measurement Techniques Lab	1	ConP: ECET 201			
and							
<input type="checkbox"/>	ECET 152	Electric Circuits II	4	Pre:CPET101,or ECET107 or ECET201 ConP: MA159 or MA165			
or							
<input type="checkbox"/>	ECET 202	Linear Circuits Analysis II	3	Pre: CPET 101, or ECET 107 or ECET 201 ConP: MA 165, or MA 227			
<input type="checkbox"/>	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)							
<input type="checkbox"/>	ECET 111	Introduction to Digital System Design I	4	None			
<input type="checkbox"/>	ECET 146	Introduction to Digital System Design II	4	Pre: ECET 111			
Electronics Circuits Analysis (4 credits)							
<input type="checkbox"/>	ECET 204	Analog Electronics II	4	Pre: ECET152 or ECET 207, or ECET202, MA159 or MA165			
or							

<input type="checkbox"/>	ECET 255	Introduction to Electronic Analysis and Design	3	Pre: CPET 101, or ECET 107 or ECET 201 ConP: MA 165, or MA 227			
<input type="checkbox"/>	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)							
<input type="checkbox"/>	ECET 205	Introduction to Microprocessors	4	Pre: ECET 111, ConP: ECET 264			
Computer Programming Fundamentals (3 credits)							
<input type="checkbox"/>	ECET 264	C Programming Language Applications	3	Pre: CPET 190 or ET 131			
Computer Communication Networks (3 credits)							
<input type="checkbox"/>	CPET 281	Introduction to Computer Communication Networks	3	Pre: CPET 181			
Operating Systems Fundamentals (3 credits)							
<input type="checkbox"/>	CPET 181	Computer Operating Systems Basics	3	None			
Engineering Technology Project (3 credits)							
<input type="checkbox"/>	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)

	<u>Course Code</u>	<u>Course Title</u>	<u>CR</u>	<u>Pre-Req, ConP</u>	<u>Other Information</u>	<u>Term</u>	<u>Comments</u>
<input type="checkbox"/>	MA 159	Precalculus	5	None			
<input type="checkbox"/>	MA 227	Calculus for Technology I	4	Pre: Placement Test or MA 158 or MA 159 or MAT 110			
or							
<input type="checkbox"/>	MA 165	Analytic Geometry and Calculus I	4	Pre: Placement Test or Pre: MA 158, or MAT 110 or MA 159			
<input type="checkbox"/>	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)

	<u>Course Code</u>	<u>Course Title</u>	<u>CR</u>	<u>Pre-Req, ConP</u>	<u>Other Information</u>	<u>Term</u>	<u>Comments</u>
<input type="checkbox"/>	PHYS 218	Modern Mechanics	4	Pre: MA 159 or MA 161 or MA 223 or ConP: MA 165 or MA 227			

Scientific Ways of Knowing Credits Planned (4): _____

Credits Completed: _____

Credits Remaining: _____

Liberal Arts Requirements (13 – 15 credit hours):**English Language and Communication Skills (9 – 10 credit hours)**

	<u>Course Code</u>	<u>Course Title</u>	<u>CR</u>	<u>Pre-Req, ConP</u>	<u>Other Information</u>	<u>Term</u>	<u>Comments</u>
<input type="checkbox"/>	ENGL 100	English for Academic Studies	3	None			
<input type="checkbox"/>	COM 114	Fundamentals of Speech Communication	3	Pre: ENGL 100			
and							
<input type="checkbox"/>	ENGL 107	First Year Composition	4	Pre: ENGL 100			
or							
<input type="checkbox"/>	ENGL 106	English Composition	3	Pre: ENGL 100			

General Education Requirement (4 – 6 credit hours)

	<u>Course Code</u>	<u>Course Title</u>	<u>CR</u>	<u>Pre-Req, ConP</u>	<u>Other Information</u>	<u>Term</u>	<u>Comments</u>
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

Liberal Arts Credits Planned (13-15): _____

Credits Completed: _____

Credits Remaining: _____

Total Credits Required for Degree: 65**Total Credits Planned: _____****Total Credits Completed: _____****Total Credits Remaining: _____**