



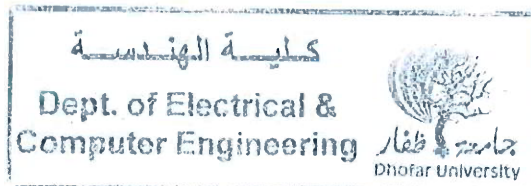
**Dhofar University**

**College of Engineering**

**Department of  
Electrical and Computer Engineering**

**Diploma in  
Electrical and Computer Engineering  
Plan of Study**

**September 2025**



## Bachelor Study Plan

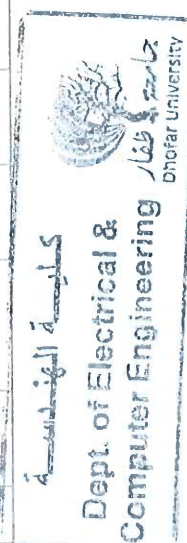
### 1- Program Statistics by Course Category

Course Category	No. of Courses	Credit Hours	Percentage of Total Credit Hours
University Requirements	6	18	24.00%
College Requirements	9	24	32.00%
Program Core Requirements	16	33	44.00%
<b>Total</b>	<b>31</b>	<b>75</b>	<b>100%</b>

### 2- Classification of Requirements

#### 2.1 University Requirements

Course Code	Course Title	Credit Hours	Prerequisite	Co-requisite
ENGL 101	Basic Academic English	3	FPE 103C	-
ENGL 102E	English for Engineering and Sciences I	3	ENGL 101	-
ENGL 203E	English for Engineering and Sciences II	3	ENGL 102E / ENGL 102C	-
ENTR 200	Entrepreneurship: Innovation and Creativity	3	ENGL 203E	-
MATH 199	Calculus I	3	FPE 103C + FPM 101A + FPM 102B	-
SOCS 102	Omani Society	3	FPE 103C + FPEL 100	-
<b>Total Credits</b>		<b>18</b>		



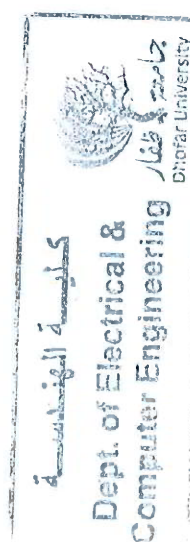
#### 2.2 College Requirements

Course Code	Course Title	Credit Hours	Prerequisite	Co-requisite
EECE 130	Computers and Programming I	3	FPE 103C + FPM 102B + FPT 102B	-
ENGR 100	Introduction to Engineering	3	FPE 103C + FPM 102B + FPT 102B	-

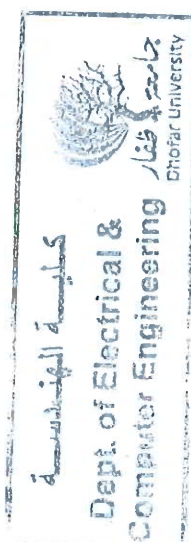
ENGR 105	Engineering Graphics	2	FPE 103C	-
ENGR 110	Engineering Workshop	1	FPE 103C + FPM 101A + FPM 102B	-
MATH 200	Calculus II	3	MATH 199	-
MATH 205	Calculus III	3	MATH 200	-
MATH 210	Differential Equations	3	MATH 200	-
MATH 250E	Probability and Statistics	3	MATH 200	MATH 200
PHYS 170	Fundamentals of Physics I	3	MATH 199 / MATH 103	MATH 199
<b>Total Credits</b>		<b>24</b>		

### 2.3 Program Major (Compulsory) Requirements

Course Code	Course Title	Credit Hours	Prerequisite	Co-requisite
EECE 130L	Computers and Programming Laboratory	1	EECE 130	-
EECE 210	Electric Circuits I	3	PHYS 170	-
EECE 210L	Electric Circuits Laboratory I	1	EECE 210	-
EECE 211	Electric Circuits II	3	EECE 210	-
EECE 211L	Electric Circuits Laboratory II	1	EECE 211	EECE 211
EECE 212	Basic Electronics	3	EECE 210	EECE 210
EECE 212L	Basic Electronics Laboratory	1	EECE 212	EECE 212
EECE 220	Digital Systems Design	3	EECE 210	-
EECE 220L	Digital Systems Laboratory	1	EECE 220	-



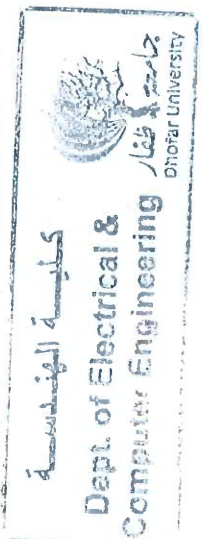
EECE 221	Microprocessor Systems	3	EECE 220	-
EECE 222	Discrete Mathematics for Engineers	3	MATH 205	-
EECE 230	Computers and Programming II	3	EECE 130	-
EECE 299	Practical Training	0		-
MATH 277	Linear Algebra I	3	MATH 210	-
PHYS 170L	Introductory Physics Laboratory	1	PHYS 170	PHYS 170
PHYS 210	Fundamentals of Physics II	3	PHYS 170 / MATH 200	MATH 200
<b>Total Credits</b>		<b>33</b>		



### 3- Study Plan

Year 1				
Course Code	Course Title	Credit Hours	Prerequisite	University/ College/Major/Elective requirements
<i>Fall</i>				
SOCS 102	Omani Society	3	< FPE 103C + < FPEL 100	U
ENGL 101	Basic Academic English I	3	< FPE 103C	U
MATH 199	Calculus I	3	< FPE 103C + < FPM 101A + < FPM 102B	U
PHYS 170	Fundamentals of Physics I	3	<= MATH 199 / < MATH 103	C
PHYS 170L	Introductory Physics Laboratory	1	<= PHYS 170	M
ENGR 105	Engineering Graphics	2	< FPE 103C	C
<b>Total Credits</b>		<b>15</b>		

<i>Spring</i>				
EECE 130	Computers and Programming I	3	< FPE 103C + < FPM 102B + < FPT 102B	C
EECE 130L	Computers and Programming Laboratory	1	< EECE 130	M
EECE 210	Electric Circuits I	3	< PHYS 170	M
ENGL 102E	English for Engineering and Sciences I	3	< ENGL 101	U
ENGR 100	Introduction to Engineering	3	< FPE 103C + < FPM 102B + < FPT 102B	C
MATH 200	Calculus II	3	< MATH 199	C
ENGR 110	Engineering Workshop	1	< FPE 103C + < FPM 101A + < FPM 102B	C
<b>Total Credits</b>		<b>17</b>		
<i>Summer</i>				
ENGL 203E	English for Engineering and Sciences II	3	< ENGL 102E /< ENGL 102C	U
MATH 205	Calculus III	3	< MATH 200	C
<b>Total Credits</b>		<b>6</b>		



<b>Year 2</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Prerequisite</b>	<b>University/College/Major/Elective requirements</b>
<i>Fall</i>				
EECE 211	Electric Circuits II	3	< EECE 210	M
EECE 210L	Electric Circuits Laboratory I	1	< EECE 210	M
EECE 220	Digital Systems Design	3	< EECE 210	M

EECE 230	Computers and Programming II	3	< EECE 130	M
EECE 222	Discrete Mathematics for Engineers	3	< MATH 205	M
PHYS 210	Fundamentals of Physics II	3	< PHYS 170 / <= MATH 200	M
EECE 211L	Electric Circuits Laboratory II	1	<= EECE 211	M
<b>Total Credits</b>		<b>17</b>		
<i>Spring</i>				
EECE 212	Basic Electronics	3	<= EECE 210	M
EECE 212L	Basic Electronics Laboratory	1	<= EECE 212	M
EECE 220L	Digital Systems Laboratory	1	< EECE 220	M
EECE 221	Microprocessor Systems	3	< EECE 220	M
MATH 250E	Probability and Statistics	3	<= MATH 200	C
MATH 210	Differential Equations	3	< MATH 200	C
ENTR 200	Entrepreneurship: Innovation and Creativity	3	< ENGL 203E	U
<b>Total Credits</b>		<b>17</b>		
<i>Summer</i>				
MATH 277	Linear Algebra I	3	< MATH 210	M
EECE 299	Practical Training	0		M
<b>Total Credits</b>		<b>3</b>		

**Total 75**

A. J. J. J.

