

**CURRICULUM STRUCTURE (4-YEAR PART-TIME PROGRAMME)  
DEGREE IN BACHELOR OF ENGINEERING (ELECTRICAL & ELECTRONIC ENGINEERING) PROGRAMME  
FOR STUDENTS ADMITTED TO PART-TIME B.ENG in AY2015-2016 & onwards**

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**AU REQUIREMENT TABLE**

STUDY YEAR	MAJOR REQUIREMENTS		GENERAL EDUCATION REQUIREMENTS (GER)				TOTAL
	CORE (C)	MAJOR PRESCRIBED ELECTIVE (PE)	GER-CORE (GC)	GER PRESCRIBED ELECTIVE (GP)			
				LIBERAL ARTS (LA)	SCIENCE, TECH. & SOCIETY (STS)	BUSINESS & MGMT (BM)	
1	24		1				25
2	20	3	3				26
3	14	8	6				28
4	4	8				3	15
<b>TOTAL</b>	<b>62</b>	<b>19</b>	<b>10</b>			<b>3</b>	<b>94</b>

**CLASSIFICATION OF STUDENTS**

Programme		Number of Academic Units Earned			
		Year 1	Year 2	Year 3	Year 4
Electrical & Electronic Engineering	Students admitted to Part-time Programme in 2015	0 - 18	19 - 40	41 - 53	54 & above

Note: Students are able to obtain 54 AUs in Year 3 Semester 2 to take up FYP.

## CURRICULUM STRUCTURE

COURSE CODE AND TITLE	TYPE	NUMBER OF HOURS PER WEEK				AU	LAB CODE	PRE-REQUISITE/ CO-REQUISITE^
		LEC	TUT	LAB	TOTAL			
<b>EEE YEAR 1 – SEMESTER 1</b>								
HW0001 English Proficiency*	Core	-	2	-	2	0		
MH2810 Mathematics A	Core	3	1	0	4	4		
PH1012 Physics A	Core	3	1	0	4	4		
GC0001 Introduction to Sustainability: Multidisciplinary Approaches and Solutions	Online GER Core. Sem 1					1		
<b>TOTAL</b>		<b>6</b>	<b>4</b>	<b>0</b>	<b>10</b>	<b>9</b>		
<b>EEE YEAR 1 – SEMESTER 2</b>								
EE2001 Circuit Analysis	Core	3	1	0	4	4	E2001L	
EE2004 Digital Electronics	Core	3	1	0	4	4	E2004L	
EE2006 Engineering Mathematics I	Core	3	1	0	4	4		MH2810
<b>TOTAL</b>		<b>9</b>	<b>3</b>	<b>0</b>	<b>12</b>	<b>12</b>		
<b>EEE YEAR 1 – Special Term</b>								
EE1002 Physics Foundation for Electrical & Electronic Engineering	Core	3	1	0	4	4		PH1012 Physics A
<b>TOTAL</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>4</b>		
<b>EEE YEAR 2 – SEMESTER 1</b>								
EE2002 Analog Electronics	Core	3	1	0	4	4	E2002L	EE2001
EE2007 Engineering Mathematics II	Core	3	1	0	4	4		MH2810
EE2008 Data Structures & Algorithms	Core	3	1	0	4	4	E2008L	
HY0001 Ethics and Moral Reasoning	Online GER Core. Sem 1					1		
<b>TOTAL</b>		<b>9</b>	<b>3</b>	<b>0</b>	<b>12</b>	<b>13</b>		
<b>EEE YEAR 2 – SEMESTER 2</b>								
EE2003 Semiconductor Fundamentals	Core	3	1	0	4	4	E2003L	EE1002
EE3xxx Elective 1	PE	2	1	0	3	3		
HW0188 Engineering Communication I	GER Core	1	1	0	2	2		
<b>TOTAL</b>		<b>6</b>	<b>3</b>	<b>0</b>	<b>9</b>	<b>9</b>		
<b>EEE YEAR 2 – Special Term</b>								
EE2010 Signals and Systems	Core	3	1	0	4	4	E2010L	MH2810
<b>TOTAL</b>		<b>3</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>4</b>		

\*For students who failed QET

COURSE CODE AND TITLE	TYPE	NUMBER OF HOURS PER WEEK				AU	LAB CODE	PRE-REQUISITE/ CO-REQUISITE^
		LEC	TUT	LAB	TOTAL			
<b>EEE YEAR 3 – SEMESTER 1</b>								
EE2073 Introduction to EEE Design & Project	Core	0.5	0.5	3	0	2		
EE3001 Engineering Electromagnetics	Core	3	1	0	4	4	E3001L	EE2007^
EE3xxx Elective 2	PE	2	1	0	3	3		
HW0288 Engineering Communication II	GER Core	1	1	0	2	2		
ET0001 Enterprise and Innovation	Online GER Core. Sem 1					1		
<b>TOTAL</b>		<b>6.5</b>	<b>3.5</b>	<b>3</b>	<b>9</b>	<b>12</b>		
<b>EEE YEAR 3 – SEMESTER 2</b>								
EE0040 Engineers & Society	GER Core	2	1	0	3	3		
EE4080 Final Year Project	Core	0	0	3	3	2		
EE4xxx Design Elective 1	PE	1	0	3	4	2		
EE4xxx Technical Elective 1	PE	2	1	0	3	3		
<b>TOTAL</b>		<b>5</b>	<b>2</b>	<b>6</b>	<b>13</b>	<b>10</b>		
<b>EEE YEAR 3 – Special Term</b>								
EE3002 Microprocessor	Core	3	1	0	4	4	E3002L	
EE4080 Final Year Project	Core	0	0	3	3	2		
<b>TOTAL</b>		<b>3</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>6</b>		
<b>EEE YEAR 4 – SEMESTER 1</b>								
EE4080 Final Year Project	Core	0	0	3	3	2		
EE4xxx Design Elective 2	PE	1	0	3	4	2		
EE4xxx Technical Elective 2	PE	2	1	0	3	3		
<b>TOTAL</b>		<b>3</b>	<b>1</b>	<b>6</b>	<b>10</b>	<b>7</b>		
<b>EEE YEAR 4 – SEMESTER 2</b>								
EE4080 Final Year Project	Core	0	0	3	3	2		
EE4xxx Technical Elective 3	PE	2	1	0	3	3		
Business & Management (HRM)	GER Elective	2	1	0	3	3		
<b>TOTAL</b>		<b>4</b>	<b>2</b>	<b>3</b>	<b>9</b>	<b>8</b>		
<b>TOTAL ACADEMIC UNITS REQUIRED FOR GRADUATION</b>								<b>94</b>

3<sup>rd</sup> year core electives (to take 2)

<b>YEAR 2 – SEMESTER 2 (Elective 1)</b>	<b>YEAR 3 – SEMESTER 1 (Elective 2)</b>
EE3011 Modelling & Control	EE3010 Electrical Devices & Machines
EE3015 Power Systems & Conversion	EE3012 Communication Principles
EE3017 Computer Communications	EE3019 Integrated Electronics