

<b>Degree Title:</b>	<b>Bachelor of Science in Electronic and Telecommunication Engineering</b>
<b>Degree type:</b>	<b>Regular Program</b>
<b>Syllabus version:</b>	<b>Applicable for students admitted on or before Fall 2018</b>

Breakdown of Course Categories	Credit Hours
General Education Courses (GED):	27
Core Courses:	103
Elective Courses:	15
Total Credit Hours of Program:	145

### List of Courses

Course Categories	Course Type	Course Code	Course Title	Credit Hour
Language and General Education Courses  GED	Compulsory	ENG 100	Elementary English	3
		ENG 102	English Comprehension and Speaking	3
		ETE 100	Introduction to Engineering	3
		MAT 111	Algebra and Calculus	3
		PHI 115	Introduction to World Religions	3
	Optional ( <b>Any One course</b> ) - Science, Arts and Business	BIO 101	Introduction to Biology	3
		ECL 101	Introduction to Ecology	3
		ENV 110	Introduction to Environmental Science	3
	Optional ( <b>Any Three courses</b> ) - Science, Arts and Business	ECO 101	Introduction to Microeconomics	3
		ECO 102	Introduction to Macroeconomics	3
		ACT 101	Introduction to Financial Accounting	3
		MGT 101	Principles of Management	3
		SOC 100	Introduction to Sociology	3
			GEO 105	Introduction to Geography
Core Courses	Compulsory	PHY 101	Physics – I: General Physics	3
		PHY 103	Physics – II: Electricity, Magnetism and Electrical Circuit	3
		PHY 104	Physics Lab	1
		CHE 101	General Chemistry	3
		MAT 119	Math – I: Integral and Differential Calculus	3
		MAT 129	Math – II: Linear Algebra	3
		MAT 219	Math – III: Differential Equation	3
		MAT 229	Math – IV: Engineering Mathematics	3
		STA 132	Statistics and Probability	3
		ETE 140	Computer Programming	3
		ETE 208	Electrical Circuits I	3
		ETE 209	Electrical Circuits II	3
		ETE 210	Electrical Circuits Lab	1
		ETE 211	Data Structure	3
		ETE 212	Data Structure and Programming Lab	1
		ETE 222	Digital Logic Design	3
		ETE 223	Digital Logic Design Lab	1
		ETE 224	Electronics – I	3
		ETE 225	Electronics – I Lab	1
				ETE 229

		ETE 232	Electronics – II	3
		ETE 233	Electronics – II Lab	1
		ETE 236	Fundamentals of Communications	3
		ETE 237	Fundamentals of Communications – Lab	1
		ETE 312	Control Systems	3
		ETE 321	Electronics – III	3
		ETE 322	Energy Conversion	3
		ETE 324	Microprocessors	3
		ETE 325	Microprocessors – Lab	1
		ETE 331	Instrumentation and Measurement	3
		ETE 345	Data Communication	3
		ETE 353	Information Theory and Coding	3
		ETE 360	Digital Signal Processing	3
		ETE 361	Digital Signal Processing – Lab	1
		ETE 409	Computer Networks	3
		ETE 410	Computer Networks – Lab	1
		ETE 411	High Speed Telecommunication Networks	3
		ETE 421	Wireless and Mobile Communication	3
		ETE 430	Telecommunication Network Management	3
		ETE 499	Project/Internship	6
Elective Courses	Electronics Group (If Major is this group then - 3 Theory from this group and 2 Theory other group)	ETE 401	Industrial and Power Electronics	3
		ETE 402	VLSI Design	3
		ETE 403	Robotics	3
		ETE 404	Embedded Systems	3
		ETE 412	Optoelectronics	3
		ETE 413	Bio – medical Electronics	3
		ETE 422	Analog Integrated Circuit Design	3
		ETE 423	Microwave Engineering	3
		ETE 440	Broadcasting Technology	3
		ETE 456	Radio Frequency Engineering	3
	Communication Group (If Major is this group then - 3 Theory from this group and 2 Theory other group)	ETE 408	Communication Electronics	3
		ETE 415	Digital and Satellite Communication	3
		ETE 425	Internet and Web Technology	3
		ETE 445	Antennas and Propagation	3
		ETE 460	Optical Fiber Communication	3
		ETE 480	Radar and Navigation	3