

## BACHELOR OF SCIENCE IN ELECTRONICS &amp; COMMUNICATIONS ENGINEERING †

**FIRST YEAR (First Semester)**

	Lect	Lab	Units
GE (AH) <sup>1,2</sup>			3
GE (SSP) <sup>1</sup>			3
GE (SSP) <sup>1</sup>			3
Math 17 (Algebra & Trigonometry)	5	0	5
Chem 16 (General Chemistry I)	3	6	5
P.E.			(2)
			19

**FIRST YEAR (Second Semester)**

	Lect	Lab	Units
GE (AH) <sup>1,2</sup>			3
Math 53 (Elementary Analysis I)	5	0	5
Physics 71 (Elementary Physics I)	4	0	4
EEE 11 (Programming Fundamentals)	2	3	3
EEE 31 (Intro to EEE)	3	0	3
P.E.			(2)
			18

**SECOND YEAR (First Semester)**

	Lect	Lab	Units
GE (AH) <sup>1,2</sup>			3
Math 54 (Elementary Analysis II)	5	0	5
Physics 72 (Elementary Physics II)	4	0	4
EEE 13 (Programming Appl in EEE)	2	3	3
EEE 33 (Electric Circuit Theory)	4	0	4
EEE 34 (Electrical Measurements Lab)	0	3	1
P.E.			(2)
NSTP <sup>4</sup>			(3)
			20

**SECOND YEAR (Second Semester)**

	Lect	Lab	Units
Math 55 (Elementary Analysis III)	3	0	3
Physics 73 (Elementary Physics III)	4	0	4
ES 11 (Statics of Rigid Bodies)	2	3	3
EEE 23 (Electromagnetic Fields I)	4	0	4
EEE 35 (Signals and Systems)	3	3	4
P.E.			(2)
NSTP <sup>4</sup>			(3)
			18

**THIRD YEAR (First Semester)**

	Lect	Lab	Units
ES 12 (Dynamics of Rigid Bodies)	2	3	3
EEE 21 (Sw Theory & Dig Log Des)	3	0	3
EEE 25 (Prob & Stat for E&E Eng'rs)	3	0	3
EEE 41 (Intro to Semicon Dev & Cir)	3	0	3
EEE 42 (Semicon Devices & Cir Lab)	0	3	1
EEE 43 (Electromechanical Egy Conv)	3	0	3
EEE 44 (Elec'l Machine Op & Ctrl)	0	3	1
			17

**THIRD YEAR (Second Semester)**

	Lect	Lab	Units
GE (MST) <sup>1,3</sup>			3
Math 114 (Linear Algebra)	3	0	3
ES 1 (Engineering Drawing)	0	6	2
ME 63 (Thermodynamics)	3	0	3
EEE 51 (Electronic Circuits I)	3	0	3
EEE 52 (Electronic Circuits Lab I)	0	3	1
EEE 107 (Intro to Comm Systems)	2	3	3
			18

**FOURTH YEAR (First Semester)**

	Lect	Lab	Units
EEE 53 (Electronics Circuits II)	3	0	3
EEE 54 (Electronic Circuits Lab II)	0	3	1
EEE 100 (Elect Circuits Proto Lab)	0	3	1
EEE 101 (Control System Theory)	3	0	3
EEE 105 (Computer Organization)	3	3	4
ECE 141 (Digital Communications)	2	3	3
Elective <sup>5</sup>			3/4
			18/19

**FOURTH YEAR (Second Semester)**

	Lect	Lab	Units
GE (SSP) <sup>1</sup>			3
CoE 115 (Intro to Embedded uC)	2	3	3
EEE 103 (Intro to Elec Power Sys)	3	0	3
ECE 113 (Comm Electronics)	2	3	3
ECE 117 (Instrument'n Electronics)	2	3	3
ECE 151 (Communication Networks)	3	0	3
			18

**FIFTH YEAR (First Semester)**

	Lect	Lab	Units
GE (AH) <sup>1,2</sup>			3
GE (SSP) <sup>1</sup>			3
GE (MST) <sup>1,3</sup>			3
CE 22 (Engineering Economy)	3	0	3
EEE 190 (Project Proposals) <sup>6</sup>	1	3	2
Elective <sup>5</sup>			3
Elective <sup>5</sup>			3/4
			20/21

**FIFTH YEAR (Second Semester)**

	Lect	Lab	Units
GE (AH) <sup>1,2</sup>			3
GE (SSP) <sup>1</sup>			3
GE (MST) <sup>1,3</sup>			3
PI 100 (The Life & Works of Rizal)	3	0	3
ECE 198 (Special Problems in ECE)	2	9	5
			17

† Effective AY 2010–2011. Total number of units = 183–185.

<sup>1</sup> Six (6) units of GE subjects must be in Philippine Studies in any domain.

<sup>2</sup> Nine (9) units of GE (AH) subjects must be in Communication in English.

<sup>3</sup> GE (MST) Math, Physics or Chemistry cannot be credited as GE subjects.

<sup>4</sup> Six (6) units of ROTC (may be taken starting first year) or six (6) units of CWTS (may be taken starting second year).

<sup>5</sup> CoE 111,121,123,127,129,131,133,134,141,143,153,197; ECE 123,129,131,133,153,155,157,159,197;

EE 121,143,147,197. A minimum of two electives from EE, ECE or CoE courses must be taken.

<sup>6</sup> Must have taken EEE 51, EEE 101, EEE 105 and EEE 107.