

## BACHELOR OF SCIENCE IN COMPUTER 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
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 21 (Sw Theory & Dig Log Des)	3	0	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
Math 114 (Linear Algebra)	3	0	3
ES 1 (Engineering Drawing)	0	6	2
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)
			19

## THIRD YEAR (First Semester)

	Lect	Lab	Units
GE (AH) <sup>1,2</sup>			3
ES 12 (Dynamics of Rigid Bodies)	2	3	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
CoE 23 (Synthesis of Seq'tl Circuits)	2	3	3
			19

## THIRD YEAR (Second Semester)

	Lect	Lab	Units
GE (MST) <sup>1,3</sup>			3
EEE 51 (Electronic Circuits I)	3	0	3
EEE 52 (Electronic Circuits Lab I)	0	3	1
EEE 53 (Electronic Circuits II)	3	0	3
EEE 100 (Elect Circuits Proto Lab)	0	3	1
EEE 101 (Control Systems Theory)	3	0	3
EEE 105 (Computer Organization)	3	3	4
			18

## FOURTH YEAR (First Semester)

	Lect	Lab	Units
GE (MST) <sup>1,3</sup>			3
EEE 54 (Electronic Circuits Lab II)	0	3	1
EEE 107 (Intro to Comm Systems)	2	3	3
CoE 111 (Advanced Digital Design)	2	3	3
CoE 133 (Computer Systems Engg I)	2	0	2
CoE 135 (Operating Systems)	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 113 (Advanced Computer Org)	3	3	4
CoE 115 (Intro to Embedded uC)	2	3	3
CoE 134 (Computer Systems Engg II)	1	3	2
CoE 151 (Computer Networks)	3	3	4
			16

## FIFTH YEAR (First Semester)

	Lect	Lab	Units
GE (AH) <sup>1,2</sup>			3
GE (SSP) <sup>1</sup>			3
PI 100 (The Life & Works of Rizal)	3	0	3
CE 22 (Engineering Economy)	3	0	3
EEE 190 (Project Proposals) <sup>6</sup>	1	3	2
Elective <sup>5</sup>			3/4
			17/18

## FIFTH YEAR (Second Semester)

	Lect	Lab	Units
GE (SSP) <sup>1</sup>			3
GE (SSP) <sup>1</sup>			3
GE (MST) <sup>1,3</sup>			3
CoE 198 (Special Problems in CoE)	2	9	5
Elective <sup>5</sup>			3
			17

† Effective AY 2010–2011. Total number of units = 181–183.

<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 121,123,127,129,131,141,143,153,197; ECE 113,117,123,129,131,133,141,151,153,155,157,159,197;

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

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