

**CURRICULUM FOR THE BS ELECTRONICS ENGINEERING**  
 Effective School Year 2008-2009

CODE	DESCRIPTIVE TITLE	LEC	LAB	TOTAL	PREREQUISITES
<b>FIRST YEAR</b>					
<b>First Semester</b>					
Course	Descriptive Title				
ENGMTA1	College Algebra	3		3	
ENGMAT2	Plane and Spherical Trigonometry	3		3	
ENGCHM1	General Inorganic Chemistry 1	3		3	
ENGCHL1	General Inorganic Chemistry 1 Laboratory		1	1	
DRAWNG1	Engineering Drawing 1		2	2	
ENGLIS1	Communication Skills 1	3		3	
KOMFIL1	Sining ng Pakikipagtalastasan	3		3	
PESELF1	Self-Testing Activities	2		2	
SOCORN2	Social Orientation	1		1	
<b>TOTAL</b>		<b>18</b>	<b>3</b>	<b>21</b>	

<b>Second Semester</b>					
ENGMTA2	Advanced Algebra	3		3	ENGMTA1,ENGMAT2
ENGMAT3	Analytic Geometry	4		4	ENGMTA1,ENGMAT2
ENGMAT4	Solid Mensuration	2		2	ENGMTA1,ENGMAT2
ENGPHS1	Engineering Physics 1	3		3	ENGMTA1,ENGMAT2
ENGPL1	Engineering Physics 1 Laboratory		1	1	W/ ENGPHS1,ENGMTA1,ENGMAT2
ENGLIS2	Communication Skills 2	3		3	ENGLIS1
FILPNO2	Panitikang Filipino	3		3	KOMFIL1
ENGCHM2	General Inorganic Chemistry 2	3		3	ENGCHM1
PETEMM1/	Individual and Dual sports for Men/Women	2		2	
<b>TOTAL</b>		<b>23</b>	<b>1</b>	<b>24</b>	

**SECOND YEAR**

<b>First Semester</b>					
ENGMAT5	Differential Calculus	5		5	ENGMTB1,ENGMAT3,ENGMAT4
DISCRT1	Discrete Mathematics	3		3	ENMTB1
ENGPHS2	Engineering Physics 2	3		3	ENGPHS1,ENGPL1
ENGPL2	Engineering Physics 2 Laboratory		1	1	W/ ENGPHS2,ENGPL1
COMFUN1	Computer Fundamentals		1	1	W/ENGMAT5
OMFUN2	C-Language		1	1	W/COMFUN1
PHILOS1	Logic	3		3	
PSTCHO1	General Psychology	3		3	
HISTORY1	Philippine History, Government and Constitution	3		3	
ECETEC1	ECE Technology 1		2	2	W/ ENGMAT5,ENGCHM2
PELECT2	Rythmic Activities	2		2	
<b>TOTAL</b>		<b>22</b>	<b>5</b>	<b>27</b>	

<b>Second Semester</b>					
ENGMAT6	Integral Calculus	5		5	ENGMAT5
MATERS1	Fundamentals of Material Science and Engineering	3		3	ENGCHM2, ENGPHS2
ECECAD1	Computer Aided Drafting		1	1	DRAWNG2, COMFUN1
ECECAD2	Assembly Programming		1	1	COMFUN1,COMFUN2
PHILOS2	Values Education and Ethics	3		3	PHILOS1
SOCIOG1	Society and Culture w/ Family Panning	3		3	
RIZALJ1	Rizal's Life, Works and Writings	3		3	
LITRAT1	Philippine Literature in English	3		3	ENGLIS1
ECETEC2	ECE Technology 2		2	2	ECETEC1
PESWIM2	Swimming	2		2	
<b>TOTAL</b>		<b>22</b>	<b>4</b>	<b>26</b>	

- Note
1. All general Education Subjects for 1st and 2nd year levels should be completed prior to enrolling in the third year level.
  2. Students have to pass the Math Comprehensive Exam prior to enrolling 3rd year subjects.
  3. Upon completion of Second Year with ECETEC1 and ECETEC2, a Certificate of Basic Electronics Troubleshooting and Consumer Electronics are granted upon approval of application.

**THIRD YEAR**

<b>First semester</b>					
ENGMAT7	Differential Equations	3		3	ENGMAT6
ECELEC1	Electronic Devices and Circuits	3		3	ENGPHS2, ENGMAT6
ECELEL1	Electronic Devices and Circuits Laboratory		1	1	W/ECELEC1,ENGPL2
ECECIR1	Circuits 1	3		3	ENGPHS2
ECECIL1	Circuits 1 Laboratory		1	1	W/ECECIR1,ENGPL2
ECEAPP1	ECE Computer Applications		2	2	COMFUN2
THERMO1	Basic Thermodynamics	3		3	ENGPHS2,ENGCHM2
MECHAS1	Engineering Mechanics/ Statics of Rigid Bodies	3		3	ENGMAT6, ENGPHS1
VECTOR1	Vector Analysis	3		3	ENGMAT6
TCHWRS1	Technical Writing with Introduction to Research	3		3	ENGLIS2
ECONOM1	Basic Economics with TAR	3		3	
<b>TOTAL</b>		<b>24</b>	<b>4</b>	<b>28</b>	

Note: All students are required to finish NSTP1 and NSTP2 prior to graduation.

NSTPRO1	National Service Training Program 1	3		3	
NSTPRO2	National Service Training Program 2	3		3	
<b>TOTAL</b>		<b>6</b>		<b>6</b>	

**Second Semester**

ECEMAT1	Advanced Engineering Mathematics for ECE	3		3	ENGMAT7
PRFENG1	Professional English For Engineers	3		3	TCHWRS1
ECELCC2	Electronic Circuit Analysis and Design	3		3	ECELEC1,ECELEL1
ECELCL2	Electronic Circuit Analysis and Design Laboratory		1	1	W/ECELEC2
ECECIR2	Circuits 2	3		3	ECECIR1,ECECIL1
ECECIL2	Circuits 2 Laboratory		1	1	W/ECECIR2
MECHAD1	Engineering Mechanics 2- Dynamic of Rigid Bodies	2		2	MECHAS1
MECHDB2	Mechanics of Deformable Bodies	3		3	MECHAS1
ECEMAG1	Electromagnetics	3		3	VECTOR1,ENGPHS2,ENGMAT6
NUMERC1	Numerical Methods	3		3	W/ENGMAT8,EECEAPP1
NUMERL1	Numerical Methods Laboratory		1	1	W/NUMERC1
ENGMAT9	Probability and Statistics	3		3	ENGMAT7
<b>TOTAL</b>		26	3	29	

**FOURTH YEAR**
**First Semester**

ECELCC3	Electronics 3	2		2	ECELCC2,ECELCL2
ECELCL3	Electronics 3 Laboratory		1	1	W/ECELEC3
ECECOM1	Principles of Communications	3		3	ECELCC2,ECELCL2,ECEMAT1
ECECML1	Principles of Communications Laboratory		1	1	W/ECECOM1
ECECIR3	Energy Conversion	3		3	ECECIR2,ECEMAG1,ECECIL2
ECECIL3	Energy Conversion Laboratory		1	1	W/ECECIR3
ECELOG1	Logic, Circuits and Switching Theory	3		3	ECELCC2,ECELCL2
ECELOL1	Logic, Circuits and Switching Theory Laboratory		1	1	W/ECELOG1
SIGNAL1	Signals, Spectra and Signal Processing	3		3	NUMERC1,ECEMAT1
SIGNLL1	Signals, Spectra and Signal Processing Laboratory		1	1	W/SIGNAL1
ECEMAN1	Engineering Management for ECE	3		3	W/ ECECOM1,W/ECELCC3,W/ECELOG1,W/SIGNAL1
ELCTVE1	CCNA1	1	1	2	W/ECELOG1
<b>TOTAL</b>		18	6	24	

**Second Semester**

ECECOM2	Transmission Media and Antenna Systems	3		3	W/ECECMM3,ECEMAG1,ECECOM1
ECECOL2	Transmission Media and Antenna Systems Laboratory		1	1	W/ECECOM2
ECECMM3	Digital Communications	3		3	ECECOM1,ECECML1
ECECML3	Digital Communications Laboatory		1	1	W/ECECOM3
ECELCC4	Electronics 4	2		2	ECELCC3,ECELCL3
ECELCL4	Electronics 4 Laboratory		1	1	W/ECELEC4
ECELCC5	Industrial Electronics	3		3	ECELOG1
ECELCL5	Industrial Electronics Laboratory		1	1	W/ECELEC5
ECECON1	Feedback and Control System	3		3	ENGMAT1
ECECNL1	Feedback and Control System Laboratory		1	1	W/ECECON1
ENGECO1	Engineering Economy	3		3	ECEMAN1
ENGENV1	Environmenta Engineering	2		2	4TH YEAR STANDING, ENGCHM2
ELCTVE2	CCNA2	1	1	2	ELCTVE1
<b>TOTAL</b>		20	6	26	

**FIFTH YEAR**
**First Semester**

ECECMM4	Wire Communications	3		3	ECECOM2,ECECMM3
ECECMM5	wireless Communications	3		3	ECECOM2,ECECMM3
ECECMM6	Data Communications	3		3	ECECOM3,ECECML3
ECECML6	Data Communications Laboratory		1	1	W/ECECMM6
ECEBIO1	Medical and Biomedical Electronics	2		2	ECELCC5
ECEFL1	Field Trips and Seminars with Review 1		2	2	5TH YEAR STANDING
ECEPRJ1	Methods of Research and Project Study 1		1	1	ALL 4TH YEAR SUBJECTS
ECEMIC1	Microprocessor System	3		3	ECELOG1,COMFUN1,COMFUN2
ECEMIL1	Microprocessors Laborator		1	1	W/ECEMIC1
ECELAW1	ECE Laws, Contracts and Ethics	3		3	5TH YEAR STANDING
ELCTVE3	CCNA3	1	1	2	ELCTVE2
<b>TOTAL</b>		18	6	24	

**Second Semester**

ECECMM7	Broadcasting Engineering and Acoustics	3		3	ECECMM4, ECECMM5
ECECML7	Broadcasting Engineering and Acoustics Laboratory		1	1	W/ECECMM7
ECECMM8	Microwave Systems	3		3	ECECMM4,ECECMM5
ECESFE1	Safety Management	1		1	5TH YEAR STANDING,
ECEPRJ2	Project Study 2		1	1	ECEPRJ1, GRADUATING, ECELAW1
ELCTVE4	CCNA4	1	1	2	ELCTVE3
ECEOJT1	On-the-Job Training (minimum of 360 hours)		2	2	GRADUATING
ECESTR2	Special Topics with Review 2		2	2	GRADUATING
<b>TOTAL</b>		8	7	15	

Note: 1. As a requirement for Graduation all students are required to finish SOCORN1, NSTPRO1 and NSTPRO2.

2. ECE lec and lab subjects will only have one (1) grade.

3. For 5th year level (2nd semester), all academic subjects will be completed for the first 9 weeks.

The remaining 9 weeks will be allotted for OJT.

4. All academic and OJT requirements should be completed prior to graduation.

OLD: 250u NEW: 250u REQUIRE BY CHED-TPEAME: 270u

//17 Feb 2009