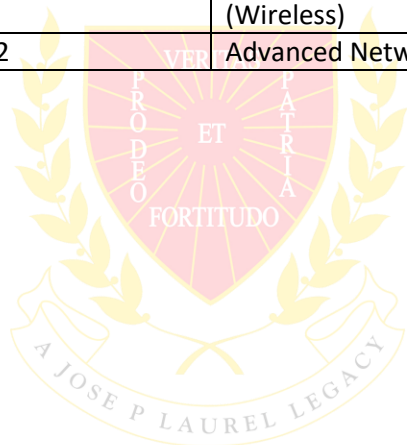


Curriculum BS Electronics Engineering

I. Technical Courses		
a. Mathematics		17 units
Math 0	Foundation Mathematics	3
Math 1	Calculus 1	4
Math 2	Calculus 2	4
Math 3	Differential Equations	3
Math 4	Engineering Data Analysis	3
b. Natural/Physical Sciences		8 units
Chem Lec	Chemistry for Engineers	3
Chem Lab	Chemistry for Engineers Lab	1
Phys Lec	Physics for Engineers	3
Phys Lab	Physics for Engineers Lab	1
c. Basic Engineering Sciences		10 units
BES-CAD	Computer-aided Drawing	1
BES-Eeco	Engineering Economics	3
BES-Draw	Engineering Drawing	1
Emgt	Engineering Management	2
Tech	Technopreneurship 101	3
d. Allied Courses		20 units
Phys 2 Lec	Physics 2 Lec	3
Phys 2 Lab	Physics 2 Lab	1
Emat	Material Science and Engineering	3
CpE 211	Computer Programming	2
EE 211 Lec	Circuits 1 LEC	3
EE 211 Lab	Circuits 1 Lab	1
EE 222 Lec	Circuits 2	3
EE 222 Lab	Circuits 2 Lab	1
EnvEng	Environmental Science and Engineering	3
e. Professional Courses		70 units
ECE 211 Lec	Electronics 1: Electronic Devices and Circuits	3
ECE 211 Lab	Electronics 1: Electronic Devices and Circuits Lab	1
ECE 222 Lec	Advanced Engineering Mathematics	3
ECE 222 Lab	Advanced Engineering Mathematics Lab	1
ECE 223	Electromagnetics	4
ECE 224 Lec	Electronics 2: Electronic Circuit Analysis and Design	3
ECE 224 Lab	Electronics 2: Electronic Circuit Analysis and Design Lab	1
ECE 225 Lec	Communications 1: Principles of Communication Systems	3
ECE 225 Lab	Communications 1: Principles of Communication Systems Lab	1
ECE 316 Lec	Electronics 3: Electronic Systems and Design	3
ECE 316 Lab	Electronics 3: Electronic Systems and Design Lab	1
ECE 317 Lec	Signals, Spectra and Signal Processing	3

ECE 317 Lab	Signals, Spectra and Signal Processing Lab	1
ECE 318 Lec	Communications 2: Modulation and Coding Techniques	3
ECE 318 Lab	Communications 2: Modulation and Coding Techniques Lab	1
ECE3 19 Lec	Digital Electronics 1:Logic Circuits and Switching Theory	3
ECE319 Lab	Digital Electronics 1:Logic Circuits and Switching Theory Lab	1
ECE 3110 Lec	Feedback and Control Systems	3
ECE 3110 Lab	Feedback and Control Systems Lab	1
ECE 3211 Lec	Communications 3:Transmission Media and Antenna System Design	3
ECE 3211 Lab	Communications 3:Transmission Media and Antenna System Design Lab	1
ECE 3212 Lec	Communications 4: Data Communications	3
ECE 3212 Lab	Communications 4: Data Communications Lab	1
ECE 3213 Lec	Digital Electronics 2:Microprocessor and Microcontroller Systems	3
ECE 3213 Lab	Digital Electronics 2:Microprocessor and Microcontroller Systems Lab	1
MR	Methods of Research	3
ECE 3314	Design 1/Capstone Project1	1
ECE 4115	Design 2/Capstone Project2	1
ECE 4116	Seminars/Colloquium	1
ECE 4117	ECE Laws, Contracts, Ethics, Standards and Safety	3
ECE 4118	ECE Special Topics-Mathematics/GEAS	3
ECE 4119	ECE Special Topics-EST	3
ECE 4120	ECE Special Topics- Electronics	3
f. Technical Electives		8 units
EELEC1 Lec	ECE Elective1	3
EELEC1 Lab	ECE Elective Lab	1
EELEC2 Lec	ECE Elective 2	3
EELEC2 Lab	ECE Elective 2 Lab	1
g. On the Job Training		5 units
OJT	On the Job Training	5
II. Non-technical courses		
a. Required General Education Courses		24 Units
GES-STC	Science, Technology and Society	3
GES-TCW	The Contemporary World	3
GES-RPH	Readings in Philippine History	3
GES-UTS	Understanding the Self	3
GES-Art	Art Appreciation	3
GES-PCom	Purposive Communication	3
GEC-Math	Mathematics for the Modern World	3
GEC-Ethics	Ethics	3

b. GEC Electives		12 units
BSC 1	Being Skills Course 1	1.5
BSC 2	Being Skills Course 2	1.5
EPC	English Proficiency Course	3
FL	Foreign Language	3
Rizal	Life and Works of Rizal	3
c. Physical Education		8
PE 1	Physical Fitness and Gymnastics	2
PE 2	Rhythmic Activities	2
PE 3	Individual/Dual Sports	2
PE 4	Team Sports/Recreation	2
d. National Service Training Program		6
NSTP 1	National Service Training Program 1	3
NSTP 2	National Service Training Program 2	3
GRAND TOTAL		188
ECE Electives: Telecommunications		
EELEC 1	Advanced Communication System and Design (Wireless)	
EELEC 2	Advanced Networking	



LPU
 LYCEUM OF THE PHILIPPINES UNIVERSITY
BATANGAS