

**La Salle University  
Ozamiz City**

Prospectus Code: **BSEE2008\_1**

**FIRST YEAR – FIRST SEMESTER**

Subject Code	Descriptive Title	Prerequisite / (Co-requisite)
ENMAT111	College Algebra	None
ENMAT112	Plane and Spherical Trigonometry	None
Chem1B	General Chemistry	None
Chem1C	General Chemistry	None
BES111	Engineering Drawing	None
Eng1	Study and Thinking Skills in English	None
Fil1	Sining ng Pakikipagtalastasan	None
PE1M	Physical Fitness	None
PE1W	Physical Fitness	None
NSTP1	National Service Training Program	None
RE1	Outline of Salvation	None

**FIRST YEAR – SECOND SEMESTER**

Subject Code	Descriptive Title	Prerequisite / (Co-requisite)
ENMAT121	Advanced Algebra	ENMAT111
ENMAT122	Analytic Geometry	ENMAT111,ENMAT112
ENMAT123	Solid Mensuration	ENMAT111,ENMAT112
Phy1B	General College Physics 1	ENMAT111,ENMAT112
Phy1C	General College Physics 1	ENMAT111,ENMAT112
Fil2	Pagbasa at Pagsulat sa Iba't ibang Disiplina	Fil1
Eng2	Writing in Discipline	Eng1
Hum1	Introduction to Humanities	None
PE2M&W	Rhythmic Activities	PE1M
PE2M&W	Rhythmic Activities	PE1W
NSTP2	National Service Training Program	NSTP 1

**SECOND YEAR – FIRST SEMESTER**

Subject Code	Descriptive Title	Prerequisite / (Co-requisite)
ENMAT211	Differential Calculus	ENMAT121, ENMAT122, ENMAT123
BES211	Computer Fundamentals and Programming	2
Phy2B	General College Physics 2	Phy1B
Phy2C	General College Physics 2	Phy1C
Eng3	Technical Communication	Eng2
Hum2	Family Planning & Com. Relations	None
PS1	Phil. Govt. & Constitution (SS1)	None
PE3M	Individual Sports / Games	PE2M&W
PE3W	Individual Sports / Games	PE2M&W
RE2	Christology	RE1

**SECOND YEAR – SECOND SEMESTER**

Subject Code	Descriptive Title	Prerequisite / (Co-requisite)
ENMAT221	Integral Calculus	ENMAT211
ENMAT222	Probability & Statistics	ENMAT111
EEn223	Material Science & Engineering	Chem1, Phy2C, PHY2B
BES221/315	Thermodynamics	ENMAT111, ENMAT112,Phy2B,PHY2C
BES222/314	Environmental Engineering	Chem1
Hum3	Philo 1 (Logic)	None
PS3	Life and Works of Rizal	None
PE4M	Team Sports / Games	PE3M
PE4W	Team Sports / Games	PE3W

**THIRD YEAR – FIRST SEMESTER**

Subject Code	Descriptive Title	Prerequisite / (Co-requisite)
ENMAT311	Differential Equations	ENMAT221
EEn311B	Circuits 1	Phy2B, ENMAT221
EEn311C	Circuits 1	Phy2C, ENMAT221
EEn312B	Electronics 1	Phy2B, ENMAT221
EEn312C	Electronics 1	Phy2C, ENMAT221
EEn313	Electromagnetics	Phy2, ENMAT221
BES311	Statics of Rigid Bodies	ENMAT221, Phy1
BES312	Engineering Economy	3
BES313	Computer-Aided Drafting	BES111
His1	Phil. History & Development (SS3)	None
RE3	Ecclesiology and Sacraments	RE2

Note: Subjects taken without complying the required prerequisites will not be credited.

**THIRD YEAR – SECOND SEMESTER**

<b>Subject Code</b>	<b>Descriptive Title</b>	<b>Prerequisite / (Co-requisite)</b>
ENMAT321	Advanced Engineering Math for EE	ENMAT311
EEn321/CPE323B	Circuits 2	EEn311B
EEn321/CPE323C	Circuits 2	EEn311C
EEn322/CPE413B	Electronics 2	EEn312B
EEn322/CPE413C	Electronics 2	EEn312C
BES321	Dynamics of Rigid Bodies	BES311
BES322	Mechanics of Deformable Bodies	BES311
BES323	Engineering Management	BES312
Hist26	World History & Contemp. Civilization	His1

**FOURTH YEAR – FIRST SEMESTER**

<b>Subject Code</b>	<b>Descriptive Title</b>	<b>Prerequisite / (Co-requisite)</b>
EEn411B	Energy Conversion	EEn321B, EEn313
EEn411C	Energy Conversion	EEn321C, EEn313
EEn412	Principles of Communications	EEn322
EEn413	Computer Systems & Architecture	BES211
EEn414	Circuits 3	EEn321
EEn415	Instrumentation & Control	EEn322
EEn416	Technical Elective 1	4
BES411	Mechanics of Fluids	BES321
RE4	Basic Christian Morality	RE3

**FOURTH YEAR – SECOND SEMESTER**

<b>Subject Code</b>	<b>Descriptive Title</b>	<b>Prerequisite / (Co-requisite)</b>
EEn421B	Electrical Machines	EEn411B
EEn421C	Electrical Machines	EEn411C
EEn422	Power Systems	EEn321
EEn423	Control Systems	EEn311, ENMAT321
EEn424B	Computer Applications	BES211
EEn424C	Computer Applications	BES211
EEn425B	Logic Circuits & Switching Theory	EEn321B
EEn425C	Logic Circuits & Switching Theory	EEn321C
EEn426	Technical Elective 2	
Psy1	General Psychology w/ Drug Education (SS2)	None

**FOURTH YEAR – SUMMER**

<b>Subject Code</b>	<b>Descriptive Title</b>	<b>Prerequisite / (Co-requisite)</b>
EEn510	On The Job Training (320 hours )	5

**FIFTH YEAR – FIRST SEMESTER**

<b>Subject Code</b>	<b>Descriptive Title</b>	<b>Prerequisite / (Co-requisite)</b>
EEn511B	Electrical System Design I	EEn422
EEn511C	Electrical System Design I	EEn422
EEn512	Advanced Power Systems	EEn422
EEn513	Industrial Electronics	EEn322
EEn514	Electrical Machine Design	EEn421B, EEn421C
EEn515	Electrical Equipment & Maintenance	EEn421B, EEn421C
EEn516	Technical Elective 3	5

**FIFTH YEAR – SECOND SEMESTER**

<b>Subject Code</b>	<b>Descriptive Title</b>	<b>Prerequisite / (Co-requisite)</b>
EEn521B	Electrical System Design 2	EEn511B, EEn511C
EEn521C	Electrical System Design 2	EEn511B, EEn511C
EEn522B	Power Plant Engineering	EEn512 / EEn521
EEn522C	Power Plant Engineering	EEn512 / EEn521
EEn523	Electrical Safety Engineering	5
EEn524	Seminar & Field Trips	5
EEn525	EE Laws and Ethics	5
EEn526	Technical Elective 4	EEn511B, EEn511C

**Tracks Elective Courses:**

Power System Operation  
 Power System Protection  
 Machine Automation and Process Control  
 Renewable Energy Sources Design