



Republic of the Philippines
EASTERN VISAYAS STATE UNIVERSITY
 Tacloban City

Revised Curriculum for
BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING
 Effective First Semester of AY 2018 – 2019

NAME: _____ YR. & SEC. _____ DATE: _____

FIRST YEAR (First Semester)						
Grade	Course Code	Description	No. of Hours		Units	Pre-requisite / Co – requisite
			Lec	Lab		
	Math Enhance1	Algebra and Trigonometry	3	0	3	
	Math 114	Calculus 1	4	0	4	
	Chem 114	Chemistry for Engineers	3	3	4	
	GEN ED 001	Purposive Communication	3	0	3	
	GEN ED 004	Mathematics in the Modern World	3	0	3	
	NSTP 113	CWTS, LTS, MTS (Naval or Air Force) 1	3	0	3	
	PE 112	PATHFIT I (Movement Contemporary Training)	2	0	2	
	EE 112	Fundamentals of Electricity & Electronics	0	6	2	
TOTAL			21	9	24	

FIRST YEAR (Second Semester)						
Grade	Course Code	Description	No. of Hours		Units	Pre-requisite / Co – requisite
			Lec	Lab		
	Math Enhance2	Analytic Geometry and Solid Mensuration	3	0	3	Math Enhance 1
	Math 124	Calculus 2	4	0	4	Math 114
	Phys 124	Physics for Engineers	3	3	4	Math 124
	Comp 121	Computer Programming	0	3	1	
	CAD 121	Computer-aided Drafting	0	3	1	
	GEN ED 007	The Contemporary World	3	0	3	
	NSTP 123	CWTS, LTS, MTS (Naval or Air Force) 2	3	0	3	NSTP 113
	PE 122	PATHFIT II (Fitness Training)	2	0	2	
	EE 122	Practical Commercial & Residential Bldg. Wiring	0	6	2	EE 112
Total			18	15	23	

SECOND YEAR (First Semester)						
Grade	Course Code	Description	No. of Hours		Units	Pre-requisite / Co – requisite
			Lec	Lab		
	Math 213	Differential Equations	3	0	3	Math 124
	EE 214	Electrical Circuits 1	3	3	4	Phys 124; Math 124
	Mech 213	Engineering Mechanics	3	0	3	Phys 124
	RIZAL 001	Rizal's Life and Works	3	0	3	
	GEN ED 003	Readings in Philippine History	3	0	3	
	FIL 001	Akademiko sa Wikang Filipino	3	0	3	
	EDA 213	Engineering Data Analysis	3	0	3	Math 114
	PE 212	PATHFIT III (Dance Sports, Group Exercise, Outdoor and Adventure Activities)	2	0	2	
	EE 212	Electrical Machines Rewinding & Repair	0	6	2	EE 122
Total			23	9	26	

SECOND YEAR (Second Semester)						
Grade	Course Code	Description	No. of Hours		Units	Pre-requisite / Co – requisite
			Lec	Lab		
	EE 223	Engineering Mathematics for EE	3	0	3	Math 213
	Mech 222	Fundamentals of Deformable Bodies	2	0	2	Mech 213
	EE 224	Electrical Circuits 2	3	3	4	EE 214
	ECE 224	Electronic Circuits: Devices and Analysis	3	3	4	EE 214
	Econ 223	Engineering Economy	3	0	3	EDA 213
	GEN ED 005	Art Appreciation	3	0	3	
	FIL 002	Pagbasa at Pagsulat sa Iba't-Ibang Disiplina	3	0	3	
	EE 242	Electromagnetics	2	0	2	Phys 124; Math 213
	PE 222	PATHFIT IV (Dance Sports, Group Exercise, Outdoor and Adventure Activities)	2	0	2	
	EE 222	Industrial Motor Control	0	6	2	EE 212
Total			24	12	28	

THIRD YEAR (First Semester)						
Grade	Course Code	Description	No. of Hours		Units	Pre-requisite / Co – requisite
			Lec	Lab		
	EE 313	Numerical Methods and Analysis	2	3	3	EE 223
	ECE 312	Logic Circuits and Switching Theory	2	0	2	ECE 224
	ME 312	Basic Thermodynamics	2	0	2	Phys 124
	ECE 314	Industrial Electronics	3	3	4	ECE 224
	ECE 313	Fundamentals of Electronic Communications	3	0	3	ECE 224
	EE 314	Electrical Machines 1	3	3	4	EE 242; EE 224
	GEN ED 006	Ethics	3	0	3	
	GEN ED 002	Understanding the Self	3	0	3	
Total			21	9	24	

THIRD YEAR (Second Semester)						
Grade	Course Code	Description	No. of Hours		Units	Pre-requisite / Co – requisite
			Lec	Lab		
	ECE 322	Microprocessor Systems	2	0	2	ECE 312
	EE 343	Electrical Apparatus and Devices	2	3	3	EE 224
	EE 324	Electrical Machines 2	3	3	4	EE 314
	EE 323	Basic Occupational Safety and Health	3	0	3	
	CE 322	Fluid Mechanics	2	0	2	Phys 124
	ENVI 322	Environmental Science and Engineering	2	0	2	
	EE 322	EE Law, Codes, and Professional Ethics	2	0	2	GEN ED 006
	EE 342	Feedback Control System	2	0	2	EE 223; ECE 224
	LIT 001	Panitikanf Filipino / Phil. Lit / Lit. of the Phils	3	0	3	
	GEN ED 008	Science Technology and Society	3	0	3	
Total			24	6	26	

THIRD YEAR (Summer)						
Grade	Course Code	Description	No. of Hours		Units	Pre-requisite / Co – requisite
			Lec	Lab		
	EE 302	On-the-job Training	2	240	2	Taken all Prof. subj.
Total			2	240	2	

FOURTH YEAR (First Semester)						
Grade	Course Code	Description	No. of Hours		Units	Pre-requisite / Co – requisite
			Lec	Lab		
	EE 412	Materials Science and Engineering	2	0	2	Chem 114; Mech 222
	EE 411	Electrical Standards and Practices	0	3	1	EE 322
	EE 415	Electrical Systems & Illumination Eng'g Design	3	6	5	EE 324
	EE 413	Electives 1	3	0	3	4th year standing
	EE 432	Management of Engineering Projects	2	0	2	Econ 223
	EE 431	Research Methods	0	3	1	EDA 213
	EE 433	Instrumentation and Control	2	3	3	EE 342
	EE 453	Technopreneurship 101	3	0	3	4th year standing
	EE 473	Special Topics in EE 1	3	0	3	4th year standing
Total			18	15	23	

FOURTH YEAR (Second Semester)						
Grade	Course Code	Description	No. of Hours		Units	Pre-requisite / Co – requisite
			Lec	Lab		
	EE 424	Power System Analysis	3	3	4	EE 411
	EE 421	Fundamentals of Power Plant Eng'g Design	0	3	1	Co-requisite: EE424
	EE 423	Distribution Systems and Substation Design	2	3	3	Co-requisite: EE 424
	EE 443	Electives 2	3	0	3	EE 413
	EE 441	Research Project or Capstone Design Project	0	3	1	EE 431
	EE 461	Seminars/Colloquia	0	3	1	4th year standing
	EE 463	Special Topics in EE 2	3	0	3	EE 473
	DDR 413	Disaster Risk Reduction & Educ. in Emergency	3	0	3	
Total			14	15	19	

* 4th year standing means that the student has completed at least 75% of the load requirements from the previous year level

SUGGESTED TRACK ELECTIVES:

1. Power System Protection
2. Advanced Power System Analysis and Design
3. Advanced Electrical System Design
4. Entrepreneurship
5. Machine Automation and Process Control
6. Special Studies in Renewable Energy Resources
7. Substation Maintenance
8. Maintenance of Power Generators
9. Testing and Commissioning for Electrical Systems
10. Electrical Audit Evaluation that includes Power System Simulations
11. Electrical Estimating for Power System Distribution System, Distribution System, Commercial, Industrial, and High-Rise Building Designs with Project Components to Report