



Republic of the Philippines
EASTERN VISAYAS STATE UNIVERSITY
Tacloban City



BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING
Curriculum Checklist
Effective First Semester, SY 2021-2022
CHED Memorandum Order No. 88, s. 2017
EVSU Board of Regents Resolution No. 165, s. 2018

FIRST YEAR, (FIRST SEMESTER)

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	Math 113	College Algebra I	3	0	3	
	Math 133	Plane and Spherical Trigonometry	3	0	3	
	Math 153	Analytic Geometry	3	0	3	
	Math 112	Solid Mensuration	2	0	2	
	CAD 121	Computer Aided Drafting*	0	3	1	
	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)	3	0	3	
	PE 112	PATHFIT I (Movement Contemporary Training)	2	0	2	
	EE 112	Fundamentals of Electricity & Electronics	0	6	2	
	TOTAL		22	9	25	

Note: *Comp. Course with computer fee, **Course with laboratory fee.

FIRST YEAR, (SECOND SEMESTER)

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	Math 124	Calculus I	4	0	4	Math 113 Math 133 Math 153 Math 112
	Chem 124	Chemistry for Engineers**	3	3	4	
	Comp 121	Computer Programming *	0	3	1	CAD 121
	GEN ED EL 001	Environmental Science for EE	3	0	3	
	GEN ED 007	The Contemporary World	3	0	3	
	NSTP 123	National Service Training Program 2	3	0	3	NSTP 113
	PE 122	PATHFIT II (Fitness Training)	2	0	2	PE 112
	EE 122	Practical Commercial & Residential Bldg. Wiring	0	6	2	EE 112
	DRR 123	Disaster Risk Reduction & Education in Emergency	3	0	3	
	TOTAL		21	12	25	

Note: *Comp. Course with computer fee, **Course with laboratory fee.

FIRST YEAR, (Mid - Year)

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	Math 104	Calculus II	4	0	4	Math 124
	Phys 104	Physics for Engineers**	3	3	4	Math 104
	TOTAL		7	3	8	

Note: *Comp. Course with computer fee, **Course with laboratory fee.

SECOND YEAR, (FIRST SEMESTER)

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	Math 213	Differential Equation	3	0	3	Math 104
	Mech 213	Engineering Mechanics	3	0	3	Phys 104
	EE 215	Electrical Circuits I**	4	3	5	Phys 104, Math 104
	EDA 213	Engineering Data Analysis	3	0	3	Phys 104, Math 104
	RIZAL 001	Rizal's Life and Works	3	0	3	
	GEN ED 003	Readings in Philippine History	3	0	3	
	GEN ED 006	Ethics	3	0	3	
	PE 212	PATHFIT III (Dance Sports, Group Exercise, Outdoor & Adventure Activities I)	2	0	2	
	EE 212	Electrical Machines Rewinding & Repair**	0	6	2	EE 122
	TOTAL		24	9	27	

Note: *Comp. Course with computer fee, **Course with laboratory fee.

Building Globally Competitive Professionals

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SECOND YEAR, (SECOND SEMESTER)

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	EE 223	Engineering Mathematics for EE	3	0	3	Math 213
	Mech 223	Fundamentals of Deformable Bodies	3	0	3	Mech 213
	EE 225	Electrical Circuits II**	4	3	5	EE 215
	EE 224	Electronic Circuits: Devices and Analysis**	3	3	4	EE 215
	Econ 223	Engineering Economy	3	0	3	EDA 213
	EE 242	Electromagnetics	2	0	2	Math 213, Phys 104
	GEN ED 005	Art Appreciation	3	0	3	
	PE 222	PATHFIT IV (Dance Sports, Group Exercise, Outdoor & Adventure Activities II)	2	0	2	PE 212
	EE 222	Industrial Motor Control**	0	6	2	EE 212
TOTAL			23	12	27	

Note: *Comp. Course with computer fee, **Course with laboratory fee.

THIRD YEAR, (FIRST SEMESTER)

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	EE 313	Numerical Methods and Analysis**	2	3	3	EE 223
	EE 333	Logic Circuit and Switching Theory**	2	3	3	EE 224
	EE 353	Basic Thermodynamics	3	0	3	Phys 104
	EE 314	Industrial Electronics**	3	3	4	EE 224
	EE 373	Fundamentals of Electronic Communication	3	0	3	EE 224
	EE 334	Electrical Machines I	3	3	4	EE 242, EE 225
	EE Law 313	EE Laws, Codes and Professional Ethics	3	0	3	GEN ED 006, EE 225
	GEN ED EL 002	Living in the IT Era for EE	3	0	3	
	GEN ED 002	Understanding the Self	3	0	3	
TOTAL			25	12	29	

Note: *Comp. Course with computer fee, **Course with laboratory fee.

THIRD YEAR (SECOND SEMESTER)

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	EE 323	Microprocessor Systems**	2	3	3	EE 333, EE 373
	EE 343	Electrical Apparatus and Devices**	2	3	3	EE 225, EE 334
	EE 324	Electrical Machines 2**	3	3	4	EE 334
	EE 363	Basic Occupational Safety and Health	3	0	3	3 rd Standing
	EE 321	Electrical Standards and Practices**	0	3	1	EE Law 313
	EE 322	Fluid Mechanics	2	0	2	Phys 104
	EE 383	Feedback Control System	3	0	3	EE 223, EE 224
	ER 323	Research Methods	3	0	3	EDA 213, EE 314, EE 334
	GEN ED EL 003	The Entrepreneurial Mind for EE	3	0	3	
	GEN ED 008	Science Technology and Society	3	0	3	
TOTAL			24	12	28	

Note: *Comp. Course with computer fee, **Course with laboratory fee.

THIRD YEAR (Mid - Year)

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	EE 303	On-the-job Training**	0	240	3	Taken all Prof. subjects

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4/24/22



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FOURTH YEAR (FIRST SEMESTER)

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	EE 413	Materials Science and Engineering	3	0	3	Chem 124, Mech 223
	EE 414	Power System Analysis**	3	3	4	EE 321, EE 223
	EE EL 001	Electives I	3	0	3	4 th Year Standing
	Man E 413	Management of Engineering Projects	2	0	2	Econ 223
	EE 411	Research Project or Capstone Design Project	0	3	1	EE 323, 4 th Year Standing
	EE 434	Electrical System **	3	3	4	EE 324, EE 321
	EE 433	Illumination Engineering Design**	2	3	3	EE 324, EE 321
	EE 453	Special Topics in EE 1	3	0	3	4 th Year Standing
		TOTAL	18	12	23	

Note: *Comp. Course with computer fee, **Course with laboratory fee

FOURTH YEAR (SECOND SEMESTER)

GRADE	COURSE NO.	DESCRIPTIVE TITLE	NO. OF HRS / WEEK		UNITS	PRE-REQUISITE/CO-REQUISITE
			LEC	LAB		
	EE 423	Instrumentation and Control**	2	3	3	EE 383, EE 324
	EE 424	Fundamentals of Power Plant Eng'g Design**	3	3	4	EE 414
	EE 443	Distribution System and Substation Design**	2	3	3	EE 414
	EE EL 002	Electives 2	3	0	3	EE EL 001
	EE 441	Seminars/Colloquia	0	3	1	4 th Year Standing
	ENVI 422	Environmental Science and Engineering	2	0	2	GEN EL 001
	EE 463	Special Topics in EE 2	3	0	3	EE 453
	TEC 413	Technopreneurship 101	3	0	3	4 th Year Standing, Gen Ed EL003
		TOTAL	18	12	22	

Note: The nth Year Standing means that the student must have completed at least 75% of the load requirements of the previous year level.

SUMMARY OF THE BSEE CURRICULUM

CLASSIFICATION/FIELD	MINIMUM NUMBER OF UNITS PER CMO 88 s. 2017	EVSU BSEE CURRICULUM
I TECHNICAL COURSES		
A. Mathematics	12	25
B. Natural Sciences	8	8
C. Basic Engineering Sciences	7	7
D. Allied Courses	34	39
E. Professional Courses	51	79
F. Electives	6	6
SUB TOTAL	118	164
II NON TECHNICAL COURSES		
A. Core Courses	24	24
B. Electives	9	9
C. Mandated Course	3	3
D. Physical Education	8	8
E. NSTP	6	6
SUB TOTAL	50	50
III Add-on Courses		
A. DDR		3
SUB TOTAL		3
TOTAL NUMBER OF UNITS	168	217

Professional Courses - Elective	Track Specialization	General Education Elective	Add-on Courses
Power System Protection 1	Machine Automation and Process Control	Environmental Science for EE	Disaster Risk Reduction and Education in Emergencies
Power System Protection 2	Special Studies in Renewable Energy Resources	Living in the IT Era for EE	
Power Systems - Generation and Transmission	Testing and Commissioning for Electrical Systems	The Entrepreneurial Min for EE	
Power Systems - Distribution System and Supply			

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