

ATENEO DE DAVAO UNIVERSITY
COLLEGE OF ARTS AND SCIENCES
BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING
Revised Curriculum 2007

First Year

First Semester			Second Semester		
Course No.	Course Description	Units	Course No.	Course Description	Units
Math 111E	College Algebra	5	Math 121E	Analytic Geometry	3
Math 112E	Plane and Spherical Trigonometry	3	Math 211E	Differential Calculus	5
ES 113	Engineering Drawing I (Manual)	2	Chem 12	Principles of Chemistry Lec	3
Fil 1	Komunikasyon sa Akedemikong Filipino	3	Chem 12L	Principles of Chemistry Lab	2
Eng 11	Basic Communication Skills	3	ES 123	Engineering Drawing II (CAD)	2
Hum 1	Introduction to Arts Appreciation	3	Fil 2	Pagbasa at Pagsulat Tungo sa Pananaliksik	3
Socio 111	Society and Culture with Family Planning	3	Eng 13	Grammar and Composition	3
FYCF 1	First Year Christian Formation	1	FYCF 2	First Year Christian Formation	1
PE 1	Physical Education	2	PE 2	Physical Education	2
Total Number of Units		25	Total Number of Units		26

Second Year

First Semester			Second Semester		
Course No.	Course Description	Units	Course No.	Course Description	Units
EE 210	Building Wiring Technology Lec	1	EE 220	Tech 2 Motor and Motor Controls Lec	1
EE 211	Building Wiring Technology Lab	1	EE 221	Tech 2 Motor and Motor Controls Lec	1
Math 221E	Integral Calculus	5	Math 311E	Differential Equations	3
Phys 211	University Physics I Lec	3	Phys 213	University Physics II Lec	3
Phys 211	University Physics I Lab	2	Phys 213	University Physics II Lab	1
ES 211	Computer Fund. and Prog. Lec	3	ES 221	Advanced Computer Programming Lec	3
ES 212	Computer Fund. and Prog. Lab	1	ES 222	Advanced Computer Programming Lab	1
Theo 111	Jesus Christ and Salvation History	3	ES 312	Engineering Mechanics	5
Hist 111	Philippine History	3	Eng 21	Speech Arts	3
Lit 1	Literatures of the Philippines	3	Psych 111	General Psychology	3
NSTP 1	Civic Welfare Training Service	3	PE 4	Physical Education	2
PE 3	Physical Education	2	NSTP 2	Civic Welfare Training Service	3
Total Number of Units		30	Total Number of Units		30

Third Year

First Semester			Second Semester		
Course No.	Course Description	Units	Course No.	Course Description	Units
EE 310	Circuits I Lec	3	EE 320	Circuits II Lec	3
EE 311	Circuits I Lab	1	EE 321	Circuits II Lab	1
EE 312	Electromagnetics	3	ECE 320	Electronics I Lec	3
Math 320E	Advanced Engineering Math	3	ECE 321	Electronics I Lab	1
Math 321E	Probability and Statistics	3	Math 323E	Numerical Methods w/ Computer Simulations	4
ECE 311	Engineering Materials	3	CE 324	Fluid Mechanics Lec	3
ES 322	Strength of Materials	3	CE 325	Fluid Mechanics Lab	1
Econ 111	Intro to Econ w/ AR and Taxation	3	ME 310	Thermodynamics	3
Theo 121	Church and Sacraments	3	ES 323	Research Writing	3
Total Number of Units		25	PS 211	Philippine Constitution and Government	3
Total Number of Units		25	Philo 103	Intro to Philo w/ Logic and Critical Thinking	3
Total Number of Units		25	Total Number of Units		28

Fourth Year

First Semester			Second Semester		
Course No.	Course Description	Units	Course No.	Course Description	Units
EE 100	Elective I	3	EE 200	Elective II	3
EE 410	Energy Conversion Lec	3	EE 420	Electrical Machines I Lec	3
EE 411	Energy Conversion Lab	1	EE 421	Electrical Machines I Lab	1
EE 412	Circuits III Lec	3	EE 422	Power Systems Lec	3
EE 413	Circuits III Lab	1	EE 423	Power Systems Lab	1
EE 414	Instrumentation and Measurements Lec	3	EE 424	Computer Systems	3
EE 415	Instrumentation and Measurements Lab	1	ECE 412	Communications Theory Lec	3
ECE 410	Electronics II Lec	3	ECE 413	Communications Theory Lab	1
ECE 411	Electronics II Lab	1	ECE 422	Industrial Electronics Lec	3
ES 420	Engineering Economy and Accounting	3	ECE 423	Industrial Electronics Lec	1
Theo 131	Christian Morality and Spirituality	3	Hist 50	Life and Works of Rizal	3
Philo 104	Philosophy of Human Person	3	Philo 106	Philosophy of Religion	3
Total Number of Units		28	Total Number of Units		28

First Semester		
Course No.	Course Description	Units
EE 509	Practicum/Industry Practice	2
Total Number of Units		2

Fifth Year

First Semester

Second Semester

Course No.	Course Description	Units	Course No.	Course Description	Units
EE 300	Elective III	3	EE 400	Elective IV	3
EE 510	Computer Aided EE System Design I Lec	3	EE 520	Computer Aided EE System Design II Lec	3
EE 511	Computer Aided EE System Design I Lab	1	EE 521	Computer Aided EE System Design II Lab	1
EE 512	EE Computer Applications Lec	3	EE 522	Load Flow Analysis Lec	3
EE 513	EE Computer Applications Lab	1	EE 523	Load Flow Analysis Lab	1
EE 514	Project Study I	1	EE 524	Project Study II	1
ES 511	Engineering Management	3	EE 525	Seminar and Field Trips	1
ES 512	Introduction to Environmental Engineering	3	EE 526	EE Laws, Contracts and Ethics	3
Theo 141	Christian Commitment and Solidarity	3	EE 510	Safety Engineering	3
Philo 107	Moral Philosophy	3			
Total Number of Units		24	Total Number of Units		19

Total Number of Units: 263 units

Electives:

- Electropneumatics*
- Power Plant Design and Analysis*
- Reliability and Fault Analysis*
- Programmable Logic Controller*

Note:

- Pre-requisites must be taken and passed the before subjects you want to enroll.*
- Co-requisites must be taken simultaneously with the subject you want to enroll.*

