



Ateneo de Davao University
Bachelor of Science in Electronics and Communication Engineering
SY 2007 – 2008

First Year
First Semester

Course Code	Course Title	Units
Math 111E	College Algebra	5
Math 112E	Plane and Spherical Trigonometry	3
ES 113	Engineering Drawing I (Manual)	2
Eng 11	Basic Communication Skills	3
Fil 1	Komunikasyon sa Akademikong Filipino	3
Hum 1	Introduction to Arts Appreciation	3
Socio 111	Society and Culture with Family Planning	3
FYCF 1	First Year Christian Formation	1
PE 1	Physical Education	2
		25

Second Semester

Course Code	Course Title	Units
Math 121E	Analytic Geometry	3
Math 211E	Differential Calculus	5
Chem 12	Principles of Chemistry Lec	3
Chem 12L	Principles of Chemistry Lab	2
ES 123	Engineering Drawing 2 (CAD)	2
Eng 13	Grammar and Composition	3
Fil 2	Pagbasa at Pasulat Tungo sa Pananaliksik	3
FYCF 2	First Year Christian Formation	1
PE 2	Physical Education	2
		24

Second Year
First Semester

Course Code	Course Title	Units
ES 211	Computer Fundamentals and Programming Lec	3
ES 212	Computer Fundamentals and Programming Lab	1
Math 221E	Integral Calculus	5
Phys 211	University Physics 1 Lec	3
Phys 212	University Physics 1 Lab	2
Lit 1	Literatures of the Philippines	3
Hist 111	History of the Philippines	3
Theo 111	Jesus Christ and Salvation history	3
NSTP – CWTS 1	National Training Service Program – Civic Welfare Training Service 1	3
PE 3	Physical Education	2
		28

Second Semester

Course Code	Course Title	Units
ES 221	Advanced Computer Programming Lec	3
ES 222	Advanced Computer Programming Lab	1
Math 311E	Differential Equations	3
Phys 221	University Physics II Lec	3
Phys 222	University Physics II Lab	2
ES 312	Engineering Mechanics	5
Eng 21	Speech Arts	3
Psych 111	General Psychology	3
NSTP – CWTS 2	National Training Service Program – Civic Welfare Training Service 2	3
PE 4	Physical Education	2
		28

Third Year
First Semester

Course Code	Course Title	Units
ECE 311	Engineering Materials	3
EE 310	Circuits I Lec	3
EE 311	Circuits I Lab	1
EE 312	Electromagnetics	3
Math 320E	Advanced Engineering Math	3
Math 321E	Probability and Statistics	3
ES 322	Strength of Materials	3
Eng 23	Writing Across the Discipline	3
Econ 111	Intro to Economics with Agrarian Reform and Taxation	3
Theo 121	Church and Sacraments	3
		28

Second Semester

Course Code	Course Title	Units
ECE 320	Electronics I Lec	3
ECE 321	Electronics I Lab	1
ECE 323	Signal Spectrum Processing Lec	3
ECE 324	Signal Spectrum Processing Lab	1
EE 320	Circuits II Lec	3
EE 321	Circuits II Lab	1
Math 322E	Numerical Methods	3
Me 310	Thermodynamics	3
ES 323	Research Methods	3
PS 211	Philippine Constitution and Government	3
Philo 103	Introduction to Philosophy with Logic and Critical Thinking	3
		27

Fourth Year
First Semester

Course Code	Course Title	Units
ECE 100	Elective 1	3
ECE 410	Electronics 2 Lec	3
ECE 411	Electronics 2 Lab	1
ECE 412	Communication Theory Lec	3
ECE 413	Communication Theory Lab	1
EE 410	Energy Conversion Lec	3
EE 411	Energy Conversion Lab	1
CoE 412	Logic Circuit and Switching Theory Lec	3
Coe 413	Logic Circuit and Switching Theory Lab	1
ES 420	Engineering Economy and Accounting	3
Philo 104	Philosophy of Human Person	3
Theo 131	Christian Morality and Spirituality	3
		28

Second Semester

Course Code	Course Title	Units
ECE 200	Elective 2	3
ECE 420	Electronics 3 Lec	3
ECE 421	Electronics 3 Lab	1
ECE 422	Industrial Electronics Lec	3
ECE 423	Industrial Electronics Lab	1
ECE 424	Digital Communications Lec	3
ECE 425	Digital Communications Lab	1
CoE 510	Microprocessors Systems Lec	3
CoE 511	Microprocessors Systems Lab	1
Hist 50	Life and Works of Rizal	3
Philo 106	Philosophy of Religion	3
		25

Summer

Course Code	Course Title	Units
ECE 509	Practicum / Industry Practice	2
		2

Fifth Year
First Semester

Course Code	Course Title	Units
ECE 510	Wire Communications Lec	3
ECE 511	Wire Communications Lab	1
ECE 512	Wireless Communications Lec	3
ECE 513	Wireless Communications Lab	1
ECE 514	Control System / Robotics Lec	3
ECE 515	Control System / Robotics Lab	1
ECE 516	ECE Computer Applications Lec	3
ECE 517	ECE Computer Applications Lab	1
ECE 518	Project Study I	1
ES 512	Introduction to Environmental Engineering	3
Philo 107	Moral Philosophy	3
Theo 141	Christian Commitment and Solidarity	3
		26

Second Semester

Course Code	Course Title	Units
ECE 300	Elective 3	3
ECE 520	Broadcast Engineering and Acoustics Lec	3
ECE 521	Broadcast Engineering and Acoustics Lab	1
ECE 522	Advanced Communications Systems Lec	3
ECE 523	Advanced Communications Systems Lab	1
ECE 524	Data Communications	3
ECE 525	ECE Laws, Contacts and Ethics	3
ECE 526	Seminars and Field Trips	1
ECE 528	Project Study 2	1
ES 511	Engineering Management	3
ES 510	Safety Engineering	3
		25