



ATENEO DE DAVAO UNIVERSITY
SCHOOL OF ARTS AND SCIENCES
Bachelor of Science in Mechanical Engineering
Revised Curriculum 2007

First Year

First Semester

Course Code	Course Title	Units
Math 111E	College Algebra	5
Math 112E	Plane and Spherical Trigonometry	3
Chem 12	Principles of Chemistry Lec	3
Chem 12L	Principles of Chemistry Lab	2
ES 113	Engineering Drawing I (Manual)	2
Eng 11	Basic Communication Skills	3
Fil 1	Komunikasyon sa Akademikong Filipino	3
FYCF I	First Year Christian Formation	1
PE I	Physical Education	2
Total Number of Units		24

Second Semester

Course Code	Course Title	Units
Math 121E	Analytic Geometry	3
Math 211E	Differential Calculus	5
ES 123	Engineering Drawing 2 (CAD)	2
Eng 13	Grammar and Composition	3
Fil 2	Pagbasa at Pagsulat tungo sa Pananaliksik	3
Socio 111	Society and Culture w/ Family Planning	3
Hum I	Introduction to Arts Appreciation	3
FYCF 2	First Year Christian Formation	1
PE 2	Physical Education	2
Total Number of Units		25

Second Year

First Semester

Course Code	Course Title	Units
ME 211	Workshop Theory and Practice	2
Math 221 E	Integral Calculus	5
Phys 211	University Physics I Lec	3
Phys 212	University Physics I Lab	2
ES 211	Computer Fundamentals & Programming Lec	3
ES 212	Computer Fundamentals & Programming Lab	1
Lit I	Literatures of the Philippines	3
Theo 111	Jesus Christ and Salvation History	3
NSTP-CWTS I	NSTP-CWTS 1	3
PE 3	Physical Education	2
Total Number of Units		27

Second Semester

Course Code	Course Title	Units
ME 220	Machine Shop Theory and Practice	2
Math 311E	Differential Equations	3
Phys 221	University Physics II L.ec	3
Phys 222	University Physics II Lab	2
ES 221	Advanced Computer Programming Lec	3
ES 222	Advanced Computer Programming Lab	1
ES 312	Engineering Mechanics	5
Eng 21	Speech Arts	3
PE 4	Physical Education	2
NSTP-CWTS 2	NSTP-CWTS II	3
Total Number of Units		27



Third Year

First Semester

Course Code	Course Title	Units
ME 310	Thermodynamics I	3
ME 311	Machine Elements I Lec	2
ME 312	Machine Elements I Lab	1
Math 320E	Advanced Engineering Math	3
EE 310	Circuits I Lec	3
EE 311	Circuits I Lab	1
ES 322	Strength of Materials	3
Eng 23	Writing Across the Disciplines	3
Econ 111	Introduction to Economics with Agrarian Reform and Taxation	3
Theo 121	Church and Sacraments	3
Total Number of Units		25

Second Semester

Course Code	Course Title	Units
ME 320	Thermodynamics II	3
ME 321	Machine Elements II Lec	2
ME 322	Machine Elements II Lab	1
ECE 320	Electronics I Lec	3
ECE 321	Electronics I Lab	1
CE 324	Fluid Mechanics Lec	3
CE 325	Fluid Mechanics Lab	1
Math 321E	Probability and Statistics	3
ES 323	Research Methods	3
PS 211	Philippine Constitution and Government	3
Philo 103	Intro Philosophy with Logic and Critical Thinking	3
Hist 111	Philippine History	3
Total Number of Units		29



Fourth Year

First Semester

Course Code	Course Title	Units
ME 410	Machine Design I Lec	4
ME 411	Combustion Engineering	3
ME 412	Heat Transfer	3
ME 413	Mechanical Engineering Laboratory I	2
ME 414	AC-DC Machinery Lec	3
ME 415	AC-DC Machinery Lab	1
ES 420	Engineering Economy and Accounting	3
Theo 131	Christian Morality and Spirituality	3
Philo 104	Philosophy of Human Person	3
Psych 111	General Psychology	3
Total Number of Units		28

Second Semester

Course Code	Course Title	Units
ME 420	Machine Design II Lec	4
ME 421	Materials of Engineering and Testing Lec	3
ME 422	Materials of Engineering and Testing Lab	1
ME 423	Mechanical Engineering Laboratory II	2
ME 424	Introduction to Mechatronics Lec	3
ME 425	Fluid Machinery	3
ME 426	Refrigeration Engineering	3
Hist 50	Life and Works of Rizal	3
Philo 106	Philosophy of Religion	3
Total Number of Units		25

Summer

Course Code	Course Title	Units
ME 509	Practicum/Industry Practice	2
Total Number of Units		2



Fifth Year

First Semester

Course Code	Course Title	Units
ME 100	ME Elective I	3
ME 510	Vibration Engineering	2
ME 511	Airconditioning and Ventilation System Lec	2
ME 512	Airconditioning and Ventilation System Lab	1
ME 513	Mechanical Engineering Laboratory III	2
ME 514	Instrumentation and Control Engineering Lec	3
ME 515	Instrumentation and Control Engineering Lab	1
ES 512	Introduction to Environmental Engineering	3
Theo 141	Christian Commitment and Solidarity	3
Philo 107	Moral Philosophy	3
Total Number of Units		23

Second Semester

Course Code	Course Title	Units
ME 200	ME Elective II	3
ME 520	Power Plant Design Lec	4
ME 521	Power Plant Design Lab	1
ME 522	Industrial Plant Engineering	3
ME 523	Industrial Process and Plant Inspection	2
ME 525	ME Laws, Ethics, Codes and Standards	3
ES 511	Engineering Management	3
ES 510	Safety Engineering	3
Total Number of Units		22

