

College of Natural Sciences and Mathematics
Mindanao State University
Mararwi City

BS Physics Curriculum
1999 Revision

1st Sem Course	Descriptive Title	Units	2 nd Sem Course	Descriptive Title	Units
FIRST YEAR					
Engl 1	College English 1	3	Engl 2	College English II	3
Engl 3	Oral Communication	3	Hist 3	History of Muslim Filipinos	3
Hist 1	Philippine History	3	Com Sci 101	Computer Programming	3
Fil 1	Sining Komunikasyon	3	Math 51	Analytic Geom & Calculus I	6
Math 17	Algebra and Trigonometry	6	Phys 21	General Physics I	3
SPEAR 1	Gymnastics and Health	2	Phys 21.1	Laboratory Physics I	1
MS 11	Citizen's Military Training	<u>(1.5)</u>	MS 12	Citizen's Military Training	(1.5)
			SPEAR 2	Mart. Arts/Folk Dance	<u>2</u>
		20			21
SUMMER					
	Math 61		Analytic Geometry & Calculus II		6 units
SECOND YEAR					
Math 71	Analytic Geom & Calculus II	6	Engl 4	Intro to Literature	3
Chem 15	General Chemistry I	3	Chem 16	General Chemistry II	3
Chem 15.2	General Chemistry Lab I	2	Chem 16.2	General Chemistry Lab II	2
Phys 31	General Physics II	3	Phys 41	General Physics III	3
Phys 31.1	Laboratory Physics II	1	Phys 41.1	Laboratory Physics III	1
Psycho I	Intro to Psychology	3	Hum I	Intro to Humanities	3
SPEAR 3	Individual & Dual Sports	2	Math 151/ES 81	Elementary Differential Eqtn	3
MS 21	Citizen's Military Training	<u>(1.5)</u>	SPEAR 4	Team Sports	2
		20	MS 22	Citizen's Military Training	<u>(1.5)</u>
					20
THIRD YEAR					
Bio 1	Basic Biology	3	Phys 142	Modern Physics II	3
Phys 141	Modern Physics I	3	Phys 122	Theoretical Physics II	3
Phys 121	Theoretical Physics I	3	Phys 132	Electromagnetism II	3
Phys 133	Electronics I	2	Phys 139	Intermediate Laboratory II	3
Phys 133.9	Electronics Laboratory I	1	Pol Sci 2	Phil. Gov't Const Agrarian Reform and Taxation	3
Phys 131	Electromagnetism I	3			
Phys 191	Mathematical Physics I	<u>3</u>	Sci/Math	Elective	<u>3</u>
		18			18
FOURTH YEAR					
Phys 143	Quantum Mechanics I	3	Phys 144	Quantum Mechanics II	3
Phys 161	Thermal & Stat Physics	3	Phys 199	Undergraduate Thesis	3
Phys 149	Advance Laboratory I	2	Phys 196	Physics Seminar	1
Phys 198	Methods of Research	3	Physics	Elective	3
Philo 2	Argumentation in Con Soc	3	Physics	Elective	3
Hist 5	Life and Works of Rizal	<u>3</u>	Sci/Math	Elective	<u>3</u>
		17			15

Total Number of Units Required : 155

Physics electives may be taken from the following courses

Phys 130	Experimental Physics
Phys 134	Electronics II
Phys 162	Thermal and Statistical Physics II
Phys 185	Selected Topics in Physics
Phys 192	Mathematical Physics II

Science/Math Electives can be taken from

Chemistry Courses
Computer Sciences Courses
Mathematics Courses
Engineering Science Course