



Republic of the Philippines
MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY
 Lapanan, Cagayan De Oro City

COLLEGE OF SCIENCE AND TECHNOLOGY EDUCATION

Bachelor of Secondary Education (Physical Sciences)
Major in Physical Science
 Implemented SY 2010-2011

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T		PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC		
1ST YEAR - 1ST SEMESTER							
CHEM10a	General Chemistry 1	3.0	3.0	1.0	3.0	4.0	
ENV110	Environmental Science	0.0	3.0	0.0	3.0	3.0	
EDU10	The Teaching Profession	0.0	3.0	0.0	3.0	3.0	
ENGL11	Study and Thinking Skills	0.0	3.0	0.0	3.0	3.0	
MATH13	College Algebra	0.0	3.0	0.0	3.0	3.0	
MATH17	Plane Trigonometry	0.0	3.0	0.0	3.0	3.0	
FIL10	Komunikasyon sa Akademikong Filipino	0.0	3.0	0.0	3.0	3.0	
PE10	Physical Fitness	0.0	2.0	0.0	2.0	2.0	
		<u>3.0</u>	<u>23.0</u>	<u>1.0</u>	<u>23.0</u>	<u>24.0</u>	
1ST YEAR - 2ND SEMESTER							
CHEM11a	General Chemistry 2	3.0	3.0	1.0	3.0	4.0	CHEM10a
PS10	History & Philosophy of Science	0.0	3.0	0.0	3.0	3.0	
EDU20	Child & Adolescent Development	0.0	3.0	0.0	3.0	3.0	
EDU70	Field Study 1 - Learner's Development & Environment	0.0	1.0	0.0	1.0	1.0	EDU20
MATH32b	Differential Calculus w/ Analytic Geometry	0.0	5.0	0.0	5.0	5.0	MATH13, MATH17
ENGL20	Writing Across Disciplines	0.0	3.0	0.0	3.0	3.0	ENGL11
ENGL12	Developmental Reading 1	0.0	3.0	0.0	3.0	3.0	
FIL20	Pagbasa at Pagsulat Tungo sa Pananaliksik	0.0	3.0	0.0	3.0	3.0	FIL10
PE20	Rhythmic Activities	0.0	2.0	0.0	2.0	2.0	PE10
		<u>3.0</u>	<u>26.0</u>	<u>1.0</u>	<u>26.0</u>	<u>27.0</u>	
2ND YEAR - 1ST SEMESTER							
CHEM22	Organic Chemistry 1	3.0	3.0	1.0	3.0	4.0	CHEM11a
PHYS10a	General Physics 1 - Mechanics and Heat	3.0	3.0	1.0	3.0	4.0	MATH13, MATH17
EDU40	Facilitating Learning	0.0	3.0	0.0	3.0	3.0	EDU20
EDU71	Field Study 2 - On Being a Teacher	0.0	1.0	0.0	1.0	1.0	EDU10, EDU70
MATH34a	Integral Calculus	0.0	5.0	0.0	5.0	5.0	MATH32b
FIL30	Masining na Pagpapahayag	0.0	3.0	0.0	3.0	3.0	FIL20
PE30	Individual & Dual Sports	0.0	2.0	0.0	2.0	2.0	
NSTP10	ROTC/CWTS/LTS 1	0.0	3.0	0.0	3.0	3.0	
		<u>6.0</u>	<u>23.0</u>	<u>2.0</u>	<u>23.0</u>	<u>25.0</u>	
2ND YEAR - 2ND SEMESTER							
BIO11	Biological Science	0.0	3.0	0.0	3.0	3.0	
CHEM30	Inorganic Chemistry	3.0	3.0	1.0	3.0	4.0	CHEM11a
PHYS11a	General Physics 2 - Electricity and Magnetism	3.0	3.0	1.0	3.0	4.0	PHYS10a
Educ 41	Principles of Teaching 1	0.0	3.0	0.0	3.0	3.0	EDU40
EDU60	Assessment of Student Learning 1	0.0	3.0	0.0	3.0	3.0	
EDU72	Field Study 3 - Experiencing Teaching Learning Process	0.0	1.0	0.0	1.0	1.0	EDU40, EDU71
JEEP 01	English Proficiency Start 01	3.0	3.0	1.0	3.0	4.0	ENGL20
SS30	General Economics, Taxation & Agrarian Reform	0.0	3.0	0.0	3.0	3.0	
PE40a	Team Sports	0.0	2.0	0.0	2.0	2.0	
NSTP20	ROTC/CWTS/LTS 2	0.0	3.0	0.0	3.0	3.0	NSTP10
		<u>9.0</u>	<u>27.0</u>	<u>3.0</u>	<u>27.0</u>	<u>30.0</u>	

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T		PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC		
3RD YEAR - 1ST SEMESTER							
CHEM41	Analytical Chemistry 1	6.0	3.0	2.0	3.0	5.0	CHEM22
CHEM50	Biochemistry	0.0	3.0	0.0	3.0	3.0	CHEM22
PHYS20	Thermodynamics	3.0	3.0	1.0	3.0	4.0	PHYS11a
EDU31	Curriculum Development	0.0	3.0	0.0	3.0	3.0	
EDU42	Principles of Teaching 2	0.0	3.0	0.0	3.0	3.0	Educ 41
EDU61	Assessment of Student Learning 2	0.0	3.0	0.0	3.0	3.0	EDU60
EDU73	Field Study 4 - Learning Assessment Strategies	0.0	1.0	0.0	1.0	1.0	EDU60, EDU72
RES20	Research Statistics	0.0	3.0	0.0	3.0	3.0	
ENGL51	Philippine Literature	0.0	3.0	0.0	3.0	3.0	
JEEP 02	English Proficiency Start 02	3.0	3.0	1.0	3.0	4.0	JEEP 01
		12.0	28.0	4.0	28.0	32.0	
3RD YEAR - 2ND SEMESTER							
CHEM60	Introduction to Physical Chemistry	0.0	3.0	0.0	3.0	3.0	
PHYS30	Acoustics & Optics	3.0	3.0	1.0	3.0	4.0	PHYS11a
PHYS40	Basic Electronics	3.0	3.0	1.0	3.0	4.0	PHYS11a
EDU50	Educational Technology 1	0.0	3.0	0.0	3.0	3.0	
EDU74	Field Study 5 - Technology in the Learning Environment	0.0	1.0	0.0	1.0	1.0	EDU73
							EDU50
RES10	Introduction to Educational Research	0.0	3.0	0.0	3.0	3.0	
SS10a	New Constitution	0.0	3.0	0.0	3.0	3.0	
ENGL54	Culture, Arts & Literature	0.0	3.0	0.0	3.0	3.0	
JEEP 03	English Proficiency Accelerate 01	3.0	3.0	1.0	3.0	4.0	JEEP 02
		9.0	25.0	3.0	25.0	28.0	
4TH YEAR - 1ST SEMESTER							
PS20	Science, Technology & Society	0.0	3.0	0.0	3.0	3.0	
CHEM95	Action Research in Chemistry Education	0.0	3.0	0.0	3.0	3.0	RES20, RES10
PHYS60	Modern Physics	0.0	3.0	0.0	3.0	3.0	PHYS30
EDU30	Social Dimensions of Education	0.0	3.0	0.0	3.0	3.0	
EDU51	Educational Technology 2	0.0	3.0	0.0	3.0	3.0	EDU50
EDU75	Field Study 6 - Exploring the Curriculum	0.0	1.0	0.0	1.0	1.0	EDU31, EDU74
HUM11b	Logic & Ethics	0.0	3.0	0.0	3.0	3.0	
SS20a	Rizal's Life, Works & Writings	0.0	3.0	0.0	3.0	3.0	
ENGL52	World Literature	0.0	3.0	0.0	3.0	3.0	
JEEP 04	English Proficiency Accelerate 02	3.0	3.0	1.0	3.0	4.0	JEEP 03
		3.0	28.0	1.0	28.0	29.0	
4TH YEAR - 2ND SEMESTER							
EDU90a	Student Teaching	0.0	6.0	0.0	6.0	6.0	
EDU91	Seminars on Problems Met	0.0	3.0	0.0	3.0	3.0	
		0.0	9.0	0.0	9.0	9.0	