



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

**COLLEGE OF SCIENCE AND TECHNOLOGY EDUCATION**

**MS in Science Education(Chemistry)  
 Chemistry**

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T		PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC		
<b><u>1ST YEAR - 1ST SEMESTER</u></b>							
SCIED500	Math for Science Teachers I	0.0	3.0	0.0	3.0	3.0	
CHEM501	Advanced Concepts in Chemistry for Teachers	0.0	3.0	0.0	3.0	3.0	
ENVI500	Selected Topics in Environmental Science	0.0	3.0	0.0	3.0	3.0	
BIO500	Basic Concepts in Biology for Teachers(Elec)	0.0	3.0	0.0	3.0	3.0	
		0.0	12.0	0.0	12.0	12.0	
<b><u>1ST YEAR - 2ND SEMESTER</u></b>							
SCIED501	Math for Science Teachers II	0.0	3.0	0.0	3.0	3.0	
SCIED505	History and Philosophy of Science and Math	0.0	3.0	0.0	3.0	3.0	
		0.0	6.0	0.0	6.0	6.0	
<b><u>1ST YEAR - SUMMER</u></b>							
CHEM500	Basic Concepts in Chemistry for Teachers	0.0	3.0	0.0	3.0	3.0	
RES500	Research Statistics	0.0	3.0	0.0	3.0	3.0	
BIO510	Basic Concepts in Genetics, Evolution and Biodiversity	0.0	0.0	0.0	3.0	3.0	
		0.0	6.0	0.0	9.0	9.0	
<b><u>2ND YEAR - 1ST SEMESTER</u></b>							
CHEM520	Inorganic Chemistry	0.0	3.0	0.0	3.0	3.0	
CHEM530	Organic Chemistry	0.0	3.0	0.0	3.0	3.0	
SCIED510	Methods of Teaching Sciences	0.0	3.0	0.0	3.0	3.0	
		0.0	9.0	0.0	9.0	9.0	
<b><u>2ND YEAR - 2ND SEMESTER</u></b>							
RES501	Methods of Research and Thesis Writing	0.0	3.0	0.0	3.0	3.0	
CHEM540	Biochemistry	0.0	3.0	0.0	3.0	3.0	
BTECH 520	Issues and Trends in Biotechnology (Elec)	0.0	3.0	0.0	3.0	3.0	
		0.0	9.0	0.0	9.0	9.0	
<b><u>2ND YEAR - SUMMER</u></b>							
CHEM510	Environmental Chemistry	0.0	3.0	0.0	3.0	3.0	
CHEM550	Analytical Chemistry	0.0	3.0	0.0	3.0	3.0	
CHEM560	Physical Chemistry	0.0	3.0	0.0	3.0	3.0	
		0.0	9.0	0.0	9.0	9.0	