

**Mindanao State University- Iligan Institute of Technology**  
**Bachelor of Secondary Education**  
**Major in Chemistry**  
**BOR Resolution No 129, Series of 2018**

**1<sup>st</sup> Year, 1<sup>st</sup> Semester**

Course No.	Course Title	Credit Units	Hours/ Week			Pre-Requisite(s)	Co-Requisite(s)
			Lec	Lab	Total		
GEC101	Understanding the Self	3	3	0	3	None	None
GEC102	Purposive Communication	3	3	0	3	None	None
FPE101	Fundamentals of Peace Education	3	3	0	3	None	None
CPE100	The Child and Adolescent Learners and Learning Principles	3	3	0	3	None	None
SED130	Selected Topics in Chemistry	3	3	0	3	None	None
CPE101	The Teaching Profession	3	3	0	3	None	None
SED108	Earth Science	2	2	0	2	None	SED108.1
SED108.1	Earth Science Laboratory	1	0	3	3	None	SED108
PED001	Exercise Prescription and Management	2	2	0	2	None	None
NST001	National Service Training Program 1	(3)	3	0	3	None	None
	<b>Total</b>	<b>23(26)</b>	<b>25</b>	<b>3</b>	<b>(28)</b>		

**1<sup>st</sup> Year, 2<sup>nd</sup> Semester**

Course No.	Course Title	Credit Units	Hours/ Week			Pre-Requisite(s)	Co-Requisite(s)
			Lec	Lab	Total		
GEC103	The Contemporary World	3	3	0	3	None	None
GEC104	Mathematics in the Modern World	3	3	0	3	None	None
CPE102	The Teacher and the Community, School Culture and Organizational Leadership	3	3	0	3	CPE101	None
FIL101	Wika at Kultura sa Mapayapang Lipunan	3	3	0	3	None	None
SED127	Fluid Mechanics for Teachers	3	3	0	3	None	None
CHM019	Inorganic Chemistry for Teachers	3	3	0	3	None	CHM019.2
CHM019.2	Inorganic Chemistry for Teachers Laboratory	2	0	6	6	None	CHM019
PED002	Dance/Martial Arts	2	2	0	2	PED001	None
NST002	National Service Training Program 2	(3)	3	0	3	NST001	None
	<b>Total</b>	<b>22(25)</b>	<b>23</b>	<b>6</b>	<b>(29)</b>		

**2<sup>nd</sup> Year, 1<sup>st</sup> Semester**

Course No.	Course Title	Credit Units	Hours/ Week			Pre-Requisite(s)	Co-requisite(s)
			Lec	Lab	Total		
CPE103	Foundation of Special and Inclusive Education	3	3	0	3	CPE100	None
CHM032	Organic Chemistry for Teachers	3	3	0	3	CHM019 CHM019.2	CHM032.2
CHM032.2	Organic Chemistry for Teachers Laboratory	2	0	6	6	CHM019 CHM019.2	CHM032
SED131	Current Trends in Chemistry Education	3	3	0	3	None	None
PHY103	Thermodynamics	3	3	0	3	None	PHY 103.1
PHY103.1	Thermodynamics Laboratory	1	0	3	3	None	PHY103
SED112	Astronomy	3	3	0	3	SED108 SED108.1	None
SED111	Meteorology	3	3	0	3	SED108 SED108.1	None
CPE104	Facilitating Learner-Centered Teaching	3	3	0	3	CPE100	None
PED003	Individual/Dual Sports/Traditional/Recreational Games	2	2	0	2	PED001	None
<b>Total</b>		<b>26</b>	<b>23</b>	<b>9</b>	<b>32</b>		

**2<sup>nd</sup> Year, 2<sup>nd</sup> Semester**

Course No.	Course Title	Credit Units	Hours/ Week			Pre-Requisite(s)	Co-requisite(s)
			Lec	Lab	Total		
CPE105	Assessment in Learning 1	3	3	0	3	CPE100	None
GEC105	Readings in Philippine History	3	3	0	3	None	None
GEC106	Art Appreciation	3	3	0	3	None	None
GEC107	Ethics	3	3	0	3	None	None
PHY104	Electricity and Magnetism	3	3	0	3	None	PHY104.1
PHY104.1	Electricity and Magnetism Laboratory	1	0	3	3	None	PHY104
CHM047	Fundamentals of Biochemistry	3	3	0	3	CHM032 CHM032.2	None
SED113	Environmental Science	3	3	0	3	SED108 SED108.1	None
PED004	Team Sports	2	2	0	2	PED001	None
<b>Total</b>		<b>24</b>	<b>23</b>	<b>3</b>	<b>26</b>		

**3<sup>rd</sup> Year, 1<sup>st</sup> Semester**

Course No.	Course Title	Credit	Hours/ Week	Pre-	Co-
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		Units	Lec	Lab	Total	Requisite(s)	requisite(s)
CPE106	Assessment in Learning 2	3	3	0	3	CPE105	None
CPE107	Technology for Teaching and Learning 1	2	2	0	2	CPE100	CPE107.1
CPE107.1	Technology for Teaching and Learning 1 Laboratory	1	0	3	3	CPE100	CPE107
CPE109	Building and Enhancing New Literacies Across the Curriculum	3	3	0	3	CPE102	None
CHM028	Analytical Chemistry for Teachers	3	3	0	3	CHM019 CHM019.2	CHM028.2
CHM028.2	Analytical Chemistry for Teachers Laboratory	2	0	6	6	CHM019 CHM019.2	CHM028
PHY105	Waves and Optics	3	3	0	3	PHY104 PHY104.1	PHY105.1
PHY105.1	Waves and Optics Laboratory	1	0	3	3	PHY104 PHY104.1	PHY105
BIO020	Genetics	3	3	0	3	CHM047	BIO020.1
BIO020.1	Genetics Laboratory	1	0	3	3	CHM047	BIO020
SED105	Technology for Teaching and Learning in Science Education	2	2	0	2	CPE107	SED105.1
SED105.1	Technology for Teaching and Learning in Science Education Laboratory	1	0	3	3	CPE107	SED105
	<b>TOTAL</b>	<b>25</b>	<b>19</b>	<b>18</b>	<b>37</b>		

**3<sup>rd</sup> Year, 2<sup>nd</sup> Semester**

Course No.	Course Title	Credit Units	Hours/ Week			Pre-Requisite(s)	Co-requisite(s)
			Lec	Lab	Total		
GEC108	Science, Technology and Society	3	3	0	3	None	None
GEC109	Life and Works of Rizal	3	3	0	3	None	None
FIL102	Ekokritisismo at Pagpapahalaga sa Kalikasan	3	3	0	3	None	None
BIO021	Cell and Molecular Biology	3	3	0	3	BIO020 BIO020.1	BIO021.1
BIO021.1	Cell and Molecular Biology Laboratory	1	0	3	3	BIO020 BIO020.1	BIO021
CPE108	The Teacher and the School Curriculum	3	3	0	3	CPE102	None
SED128	Modern Physics for Teachers	3	3	0	3	PHY104 PHY104.1	None
SED118	The Teaching of Science 1	3	3	0	3	SED105	None
CPE198	Research Methods	3	3	0	3	CPE106	None
	<b>TOTAL</b>	<b>25</b>	<b>24</b>	<b>3</b>	<b>27</b>		

**4<sup>th</sup> Year, 1<sup>st</sup> Semester**

Course No.	Course Title	Credit Units	Hours/ Week			Pre-Requisite(s)	Co-requisite(s)
			Lec	Lab	Total		

BIO022	Microbiology and Parasitology	3	3	0	3	BIO021 BIO021.1	BIO022.1
BIO022.1	Microbiology and Parasitology Laboratory	1	0	3	3	BIO021 BIO021.1	BIO022
SED120	Anatomy and Physiology for Teachers	3	3	0	3	None	SED120.1
SED120.1	Anatomy and Physiology for Teachers Laboratory	1	0	3	3	None	SED120
FIL103	Inobasyon sa Wikang Filipino	3	3	0	3	None	None
HIS003	History of Filipino Muslims and the Indigenous Peoples of MINSUPALA	3	3	0	3	None	None
SED119	The Teaching of Science 2	3	3	0	3	SED118	ELC101 ELC102
ELC101	Field Study 1: Observations of Teaching-Learning in Actual School Environment	3	3	0	3	CPE108	ELC102
ELC102	Field Study 2: Participation and Teaching Assistantship	3	3	0	3	CPE108	ELC101
SED199	Undergraduate Thesis	3	3	0	3	CPE198	None
	<b>Total</b>	<b>26</b>	<b>24</b>	<b>6</b>	<b>30</b>		

**4<sup>th</sup> Year, 2<sup>nd</sup> Semester**

Course No.	Course Title	Credit Units	Hours/ Week			Pre-Requisite(s)	Co-requisite(s)
			Lec	Lab	Total		
ELC197	Teaching Internship	6	0	40	40	ELC102	None
	<b>Total</b>	<b>6</b>	<b>0</b>	<b>40</b>	<b>40</b>		

**Grand Total Units: 177 (183) Units**