



**University of Science and Technology of Southern Philippines**

Alubijid | Cagayan de Oro | Claveria | Jasaan | Oroquita | Panaon

**College of Science and Technology Education**

**BACHELOR OF SCIENCE IN MATHEMATICS EDUCATION**

*Level II Accredited Status*

*December 1, 2016 - November 30, 2020*

EFFECTIVE S.Y. 2018-2019

<b>FIRST YEAR</b>								
<i>First Semester</i>								
<b>Course Code</b>		<b>Description</b>	<i>No. of Hours</i>			<b>Units</b>	<b>Pre-requisites</b>	<b>Co-requisites</b>
			<b>Lec</b>	<b>Lab</b>	<b>Total</b>			
SS	101	Understanding the Self	3	0	3	3	NONE	NONE
SS	102	Readings in Philippine History	3	0	3	3	NONE	NONE
Eng	101	Purposive Communication	3	0	3	3	NONE	NONE
Eng	102	Art Appreciation	3	0	3	3	NONE	NONE
Math	111	College and Advanced Algebra	3	0	3	3	NONE	NONE
Math	112	Plane and Solid Geometry	3	0	3	3	NONE	NONE
Edu	111	Child and Adolescent Learners and Learning Principles	3	0	3	3	NONE	NONE
PE	101	Physical Fitness	2	0	2	2	NONE	NONE
NSTP	101	ROTC/CWTS/LTS 1	3	0	3	3	NONE	NONE
<b>Total</b>			<b>26</b>	<b>0</b>	<b>26</b>	<b>26</b>		
<b>FIRST YEAR</b>								
<i>Second Semester</i>								
<b>Course Code</b>		<b>Description</b>	<i>No. of Hours</i>			<b>Units</b>	<b>Pre-requisites</b>	<b>Co-requisites</b>
			<b>Lec</b>	<b>Lab</b>	<b>Total</b>			
ES	101	Science, Technology and Society	3	0	3	3	NONE	NONE
SS	104	Ethics	3	0	3	3	NONE	NONE
SS	105	The Life and Works of Rizal	3	0	3	3	NONE	NONE
Math	101	Mathematics in the Modern World	3	0	3	3	NONE	NONE
Math	121	Elementary Statistics & Probability	3	0	3	3	NONE	NONE
Math	122	Plane and Spherical Trigonometry	3	0	3	3	NONE	NONE
Edu	121	The Teaching Profession	3	0	3	3	NONE	NONE
PE	102	Rhythmic Activities	2	0	2	2	PE 101	
Fil	101	Panitikan	3	0	0	3		
<b>Total</b>			<b>26</b>	<b>0</b>	<b>26</b>	<b>26</b>		

SECOND YEAR								
<i>First Semester</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
SS	103	The Contemporary World	3	0	3	3	NONE	NONE
Math	211	Logic and Set Theory	3	0	3	3	Math 111 Math 112	NONE
Math	212	Mathematics of Investment	3	0	3	3	Math 121	NONE
Math	213	Calculus 1 with Analytic Geometry	4	0	4	4	Math 111 Math 112 Math 122	NONE
Edu	211	Foundation of Special and Inclusive Education	3	0	3	3	NONE	NONE
Edu	212	The Teacher and the Community, School Culture and Organizational Leadership	3	0	3	3	NONE	NONE
Edu	213	Assessment of Learning 1	3	0	3	3	NONE	NONE
FIL	202	Sinesosyedad/ Pelikulang Panlipunan	3	0	3	3	NONE	NONE
PE	103	Individual & Dual Sports	2	0	2	2	PE 102	NONE
<b>TOTAL</b>			<b>27</b>	<b>0</b>	<b>27</b>	<b>27</b>		
SECOND YEAR								
<i>Second Semester</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
SS	106A	The Entrepreneurial Mind	3	0	3	3	NONE	NONE
Math	221	Number Theory	3	0	3	3	Math 111 Math 211	NONE
Math	222	Calculus 2	4	0	4	4	Math 213	NONE
Math	223	Advanced Statistics	2	1	3	3	Math 121	NONE
Edu	221	Facilitating Learner Centered Teaching	3	0	3	3	NONE	NONE
Edu	222	Technology for Teaching and Learning 1	2	1	3	3	NONE	NONE
FL	101	Foreign Language	3	0	3	3	NONE	NONE
PE	104	Team Sports	2	0	2	2	PE 30	NONE
NSTP	201	ROTC/CWTS/LTS 2	3	0	2	3	NSTP 101	NONE
<b>TOTAL</b>			<b>25</b>	<b>2</b>	<b>27</b>	<b>27</b>		

THIRD YEAR								
<i>First Semester</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
Math	311	Linear Algebra	3	0	3	3	Math 111 Math 211	NONE
Math	312	Abstract Algebra	3	0	3	3	Math 111 Math 211	NONE
Math	313	Calculus 3	3	0	3	3	Math 222	NONE
Math	314	Problem Solving, Mathematical Investigation and Modeling	3	0	3	3	Math 111	NONE
Math	315	Programming Language for Mathematics Teachers	2	1	3	3	Edu 222	Math 316
Math	316	Instrumentation & Technology in Mathematics Education	2	1	3	3	Edu 222	Math 315
Edu	311	Building and Enhancing Literacy Skills Across the Curriculum	3	0	3	3	NONE	NONE
Edu	312	Assessment of Learning 2	3	0	3	3	Edu60	NONE
<b>TOTAL</b>			<b>22</b>	<b>2</b>	<b>24</b>	<b>24</b>		
THIRD YEAR								
<i>Second Semester</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
Math	321	Principles & Strategies in Teaching Mathematics	3	0	3	3	Edu 10  Edu 40	NONE
Math	322	Assessment and Evaluation in Mathematics	3	0	3	3	Educ61	NONE
Math	323	Modern Geometry	3	0	3	3	Math 311 Math 211 Math 312	NONE
Math	324	Differential Equation	3	0	3	3	Math 313	NONE
Math	325	Mathematics of Finance	3	0	3	3	Math 212 Math 312	NONE
Math	326	Research in Mathematics Education (Thesis 1)	2	0	2	2		NONE
Math	327	History of Math	3	0	3	3	NONE	NONE
Edu	321	The Teacher and the School Culture Curriculum	3	0	3	3		NONE
<b>TOTAL</b>			<b>23</b>	<b>0</b>	<b>23</b>	<b>23</b>		

**FOURTH YEAR**

<i>First Semester</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
Math	411	Research in Mathematics Education (Thesis 2)	2	0	2	2	Math 326	NONE
Edu	411	Field Study	6	0	6	6	All Prof. Ed Courses	NONE
<b>TOTAL</b>			<b>8</b>	<b>0</b>	<b>8</b>	<b>8</b>		
<b>FOURTH YEAR</b>								
<i>Second Semester</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
Edu	422	Practice Teaching	6	0	6	6	Edu 412	NONE
Edu	421	Seminar on Special Topics	0	1	0	1	NONE	NONE
<b>TOTAL</b>			<b>6</b>	<b>1</b>	<b>7</b>	<b>7</b>		
<b>TOTAL</b>			<b>164</b>	<b>4</b>	<b>168</b>	<b>168</b>		