

Republic of the Philippines
DAVAO DE ORO STATE COLLEGE
Purok 10, Poblacion, Compostela, Davao de Oro
Bachelor of Secondary Education - Mathematics
PROSPECTUS

First Year							
First Semester				Second Semester			
Course Code	Course Title	Credit	Pre-requisite	Course Code	Course Title	Credit	Pre-requisite
GED 1	Understanding the Self	3	None	GED 3	Mathematics in the Modern World	3	None
GED 2	Purposive Communication	3	None	GED 4	Ethics	3	None
MATH 11	History of Mathematics	3	None	MATH 14	Trigonometry	3	None
MATH 12	College and Advanced Algebra	3	None	MATH 15	Plane and Solid Geometry	3	PED 1
PED 1	The Child and Adolescent Learners and Learning Principles	3	None	PED 3	Facilitating Learner-Centered Teaching	3	PED 1
MATH 13	Logic and Set Theory	3	None	PED 2	Foundation of Special Needs and Inclusive Education	3	None
PE 1	Rhythmic Activities	2	None	MATH 16	Mathematics of Investments	3	MATH 12
NSTP 1	LTS/CWTS/ROTC 1	3	None	PE 2	Movement Enhancement	2	PE 1
Total		23		NSTP 2	LTS/CWTS/ROTC 2	3	NSTP 1
				Total		26	

Second Year							
First Semester				Second Semester			
Course Code	Course Title	Credit	Pre-requisite	Course Code	Course Title	Credit	Pre-requisite
GED 5	Readings in the Philippine History	3	None	GED 7	The Life and Works of Rizal	3	None
GED 6	The Contemporary World	3	None	GED 8	Science, Technology, and Society	3	None
GED 9	Art Appreciation	3	None	GED 12	Living in the IT Era	3	None
MATH 17	Principles and Strategies in Teaching Mathematics	3	None	PED 5	Technology for Teaching and Learning 1	3	PED 3
PED 4	Assessment of Learning 1	3	PED 1	PED 6	Assessment of Learning 2	3	PED 4
MATH 19	Calculus 1 with Analytical Geometry	4	MATH 15	MATH 23	Calculus 2	4	MATH 19
MATH 18	Modern Geometry	3	MATH 15	MATH 21	Number Theory	3	MATH 13
MATH 20	Elementary Statistics and Probability	3	MATH 16	MATH 22	Linear Algebra	3	MATH 14
PE 3	Dual and Individual Sports	2	PE 2	PE 4	Team Sports	2	PE 3
Total		27		Total		27	

Third Year							
First Semester				Second Semester			
Course Code	Course Title	Credit	Pre-requisite	Course Code	Course Title	Credit	Pre-requisite
GED 10	Philippine Indigenous Communities	3	None	GED 11	Gender and Society	3	None
PED 7	The Teacher and the School Curriculum	3	None	PED 9	The Teaching Profession	3	PED 7
PED 8	Building and Enhancing New Literacies Across the Curriculum	3	None	PED 10	The Teacher and the Community, School Culture, and Organizational Leadership	3	PED 7
MATH 24	Calculus 3	3	MATH 23	MATH 27	Abstract Algebra	3	MATH 14
MATH 25	Advanced Statistics	3	MATH 20	MATH 28A	Research in Mathematics Education 2	4	MATH 28
MATH 26	Problem Solving, Mathematical Investigations and Modelling	3	MATH 22	MATH 29	Technology for Teaching and Learning 2 - Instrumentation and Technology in Mathematics	3	PED 5
MATH 28	Research in Mathematics Education 1	3	MATH 20	MATH 30	Assessment and Evaluation in Mathematics	3	MATH 25
Total		21		Total		22	

Summer Before 4th Year			
ICO 1	Critical Literacy	3	None
ICO 2	Personality and Career Development	3	None
Total		6	

Fourth Year							
First Semester				Second Semester			
Course Code	Course Title	Credit	Pre-requisite	Course Code	Course Title	Credit	Pre-requisite
Field Study 1	Observations of Teaching-Learning in Actual School Environment	3	All PED Courses	PED 11	Teaching Internship	6	All GED, PED, and Math Courses
Field Study 2	Participation and Teaching Assistantship	3	All PED Courses	Total		6	
Total		6					

Summary	Units
General Education	36
Professional Education	42
Specialization/Major Courses	66
Mandated Courses	14
Institutional Course Offering	6
TOTAL	164