

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

**PROSPECTUS**

**First Year**

First Semester			
Course Code	Course Title	Credit	Pre-requisite
GED 1	Understanding the Self	3	None
GED 2	Purposive Communication	3	None
GED 8	Science, Technology, and Society	3	None
Bio 11	Botany (Lec/Lab)	4	None
Phys 11	Newtonian Mechanics	3	None
Chem 11	InOrganic Chemistry (Lec/Lab)	5	None
PE 1	Rhythmic Activities	2	None
NSTP 1	LTS/CWTS/ROTC 1	3	None
Total		26	

Second Semester			
Course Code	Course Title	Credit	Pre-requisite
GED 7	The Life and Works of Rizal	3	None
PED 1	The Child and Adolescent Learner and Learning Principles	3	None
PED 2	Foundation of Special Needs and Inclusive Education	3	None
Bio 12	Zoology (Lec/Lab)	4	None
Chem 12	Organic Chemistry (Lec/Lab)	5	Chem 11
Phys 12	Fluid Mechanics	3	Phys 11
PE 2	Movement Enhancement	2	PE 1
NSTP 2	LTS/CWTS/ROTC 2	3	NSTP 1
Total		26	

Summer Before 2nd Year			
GED 9	Art Appreciation	3	None
GED 3	Mathematics in the Modern World	3	None
GED 6	The Contemporary World	3	None
Total		9	

**Second Year**

First Semester			
Course Code	Course Title	Credit	Pre-requisite
PED 3	Facilitating Learner-Centered Teaching	3	None
PED 4	Assessment of Learning 1	3	None
Nat Sci 11	Environmental Science	3	None
Chem 13	Analytical Chemistry (Lec/Lab)	5	Chem 12
Bio 13	Anatomy and Physiology	4	None
Phys 13	Thermodynamics (Lec/Lab)	4	Phys 11, Phys 12
PE 3	Dual and Individual Sports	2	PE 2
Total		24	

Second Semester			
Course Code	Course Title	Credit	Pre-requisite
GED 5	Readings in the Philippine History	3	None
PED 5	Technology for Teaching and Learning 1	3	PED 3
PED 6	Assessment of Learning 2	3	PED 4
Nat Sci 12	Earth Science	3	None
Chem 14	Biochemistry	3	Chem 13
Bio 14	Microbiology and Parasitology (Lec/Lab)	4	None
Phys 14	Electricity and Magentism (Lec/Lab)	4	Phys 13
PE 4	Team Sports	2	PE 3
Total		25	

Summer Before 3rd Year			
GED 4	Ethics	3	None
GED 10	Philippine Indigenous Communities	3	None
GED 12	Living in the IT Era	3	None
Total		9	

**Third Year**

First Semester			
Course Code	Course Title	Credit	Pre-requisite
PED 7	The Teacher and the School Curriculum	3	None
PED 8	Building and Enhancing New Literacies Across the Curriculum	3	None
Sci 11	The Teaching of Science	3	PED 3
Sci 12	Research in Teaching Science 1	3	None
Bio 15	Cell and Molecular Biology (Lec/Lab)	4	Chem 14
Nat Sci 13	Astronomy	3	None
Phys 15	Waves and Optics (Lec/Lab)	4	Phys 14
Total		23	

Second Semester			
Course Code	Course Title	Credit	Pre-requisite
GED 11/ Elec 2	Gender and Society	3	None
PED 9	The Teaching Profession	3	PED 7
PED 10	The Teacher and the Community, School Culture, and Organizational Leadership	3	PED 7
Sci 14	Technology for Teaching and Learning 2	3	PED 5
Sci 13	Research in Teaching Science 2	3	Sci 12
Bio 16	Genetics (Lec/Lab)	4	Bio 11, Bio 12
Nat Sci 14	Meteorology	3	None
Phys 16	Modern Physics	3	Phys 15
Total		25	

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

**Fourth Year**

First Semester			
Course Code	Course Title	Credit	Pre-requisite
Field Study 1	Observations of Teaching-Learning in Actual School Environment	3	All PED Courses
Field Study 2	Participation and Teaching Assistantship	3	All PED Courses
Total		6	

Second Semester			
Course Code	Course Title	Credit	Pre-requisite
PED 11	Teaching Internship	6	All GED, PED, and Science Courses
Total		6	

Summary	Units
General Education	36
Professional Education	42
Specialization/Major Courses	87
Mandated Courses	14
Institutional Course Offering	6
<b>TOTAL</b>	<b>185</b>