



**Ateneo de Zamboanga University**  
COLLEGE OF SCIENCE & INFORMATION TECHNOLOGY  
GRADUATE PROGRAM

**MASTER IN SCIENCE EDUCATION major in BIOLOGY  
(Professional Track)**

The Master in Science Education major in Biology integrates content of science with pedagogy. It intends not only to enhance the student's foundations in the science of Biology and the skills to impart basic scientific concepts, interesting and relevant science and scientific skills, but also to develop among their learners insights into the practice of science. The program is designed for Senior High School or college teachers whose specialization is Biology.

(Admission Requirement: Applicant must be a graduate of BSED with major in Science or Biological Science or any bachelor's degree with at least 15 units in biological or life science subjects; Passing score in the Graduate Entrance Test; Successful interview with the department chair.)

**CORE COURSES (9 UNITS)**

	<b>UNITS</b>
CORE 500      Research Methods	3
COR 501        Statistics	3
COR 504        History and Philosophy of Science	3

**MAJOR COURSES (21 UNITS)**

BIO 511        Trends in Teaching Biology	3
BIO 521        Animal Biology	3
BIO 522        Plant Biology	3
BIO 523        Human Anatomy and Physiology	3
BIO 524        Microbial Ecology	3
SCIED 515     Curriculum Design	3
SCIED 516     Environmental Science	3

Comprehensive Examinations

BIO 595        Capstone	3
(Special Topic Paper, Curriculum Design, Teaching Strategies, Innovation of Teaching Materials)	

**SUMMARY:**

Core Courses	9 units
Major Courses	21 units
Capstone	3 units
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<b>Total</b>	<b>33 Units</b>

**Effective SY 2021-2022**