



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

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

The Master in Science Education major in Physics integrates content of science with pedagogy. It intends not only to enhance the student's foundations in the science of Physics 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 Physics.

(Admission Requirement: Applicant must be a graduate of BSED with major in Science or Physical Science or any bachelor's degree with at least 15 units in Physics 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)**

PHY 511        Trends in Teaching Physics	3
PHYS 541       Heat and Thermodynamics	3
PHYS 522       Waves, Sounds and Optics	3
PHY 543        Electromagnetism	3
PHY 544Lec    Electronics	2
PHY 544Lab    Electronics Laboratory	1
PHY 545        Modern Physics	3
SCIED 515      Curriculum Design	3

Comprehensive Examinations

PHYS 595       Capstone (Equipment Design and Production)	3
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**SUMMARY:**

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

**Effective SY 2021-2022**