



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

MASTER IN SCIENCE EDUCATION major in CHEMISTRY
(Professional Track)

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

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

CORE COURSES (9 UNITS)

	UNITS
CORE 500 Research Methods	3
COR 501 Statistics	3
COR 504 History and Philosophy of Science	3

MAJOR COURSES (15 UNITS)

CHEM 511 Trends in Teaching Chemistry	3
CHEM 525 Advanced Organic Chemistry	3
CHEM 528 Biochemistry	3
CHEM 530Lec Advanced Inorganic Chemistry	2
CHEM 530Lab Advanced Inorganic Chemistry Laboratory	1
SCIED 515 Curriculum Design	3

ELECTIVES (any two courses - 6 units)

CHEM 531 Environmental Chemistry	3
CHEM 532 Food Analysis	3
CHEM 533 Applied Chemistry	3

Comprehensive Examinations

CHEM 595 Capstone	3
<i>(Design of three laboratory experiments using readily available materials)</i>	

SUMMARY:

Core	9 units
Major Courses	15 units
Electives	6 units
Capstone	3 units
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Total	33 Units

Effective SY 2021-2022