



*Ateneo de Zamboanga University*  
**SCHOOL OF EDUCATION**  
**GRADUATE UNIT**

**DOCTOR OF PHILOSOPHY IN EDUCATION MAJOR IN MATHEMATICS EDUCATION**  
**(Academic Track)**

The Ph.D. in Science Education Major in Mathematics program aims to train and develop teachers in Mathematics, especially those teaching in the secondary or tertiary levels. Students in the program will be exposed to developments, trends and issues in Mathematics and Mathematics Education so that they may actively participate and significantly contribute in the enhancement of the discipline and its pedagogy in the Zamboanga Peninsula.

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<b>BASIC COURSES</b>		<b>(9 units)</b>	<b>UNITS</b>
SEM 601	Philosophical and Psychological Theories and Trends in Education		3
SEM 602	Research Methods		3
SEM 603	Advanced Educational Statistics		3

<b>MAJOR COURSES</b>		<b>(18 units)</b>	
SEM 621	Combinatorial Geometry		3
SEM 622	Abstract Algebra		3
SEM 623	Graph Theory		3
SEM 624	General Topology		3
SEM 625	Real Analysis		3
SEM 626	Complex Analysis		3

<b>Comprehensive Examination</b>			
SEM 699	<b>DISSERTATION</b>		12
	Publication		

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<b>TOTAL UNITS</b>	<b>39</b>
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<b>Pre-requisite Math Courses (for Non-Math MA Program)</b>		<b>UNITS</b>
MATH 504	Linear Algebra	3
MATH 523	Math Analysis	3
MATH 525	Number Theory	3

**SUMMARY:**

<b>Basic Courses:</b>	<b>9 units</b>
<b>Major Courses:</b>	<b>18 units</b>
<b>Dissertation:</b>	<b>12 units</b>
<b>TOTAL:</b>	<b>39 units</b>