



APPLIED MATHEMATICS AND INFORMATICS MINOR POLICY

1. The AMI department offers a minor degree in Applied Mathematics and Informatics for students of other departments interested in mathematical modeling in natural and social sciences. Students must obtain the approval of the chair of their major program and the chair of the Applied Mathematics and Informatics department.
2. To apply for a minor, students must have a minimum GPA of 3.0 or higher in their major.
3. To earn the Minor degree in Applied Mathematics and Informatics, students must earn a total of **42 credits** and complete the courses listed in the table below:

Course Name	Course abbrev.	ID	Cr.	Prerequisite	Comments
Minor Requirements:					
Total: 42 credits					
Required Courses for Minor					
Total – 30 credits					
Mathematical Analysis I (or equivalent)	MAT-233.2	3855	6	MAT-131.2	
The Theory of Probability and Math Statistics	MAT-307	3215	6	MAT-131.2	
Ordinary Differential Equations	MAT-332	3700	6	MAT-233	
Numerical Methods	MAT-407	3214	6	MAT-233 COM-122 MAT-332-desirable	
Introduction to Programming	COM-122		6	none	
Elective Courses for Minor					
Total - 12 credits					
Mathematical Analysis II	MAT-316.2	3365	6	MAT-233	
Optimization Methods	MAT-435	3726	6	MAT-233	
Game Theory	MAT-317	3453	6	MAT-233	
Mathematical Modeling in Economics	MAT/ECO-333	3701	6	MAT-233	
Mathematical Modeling in Geophysics	MAT-420	4118	6	MAT-407, MAT-316.2, MAT-410-desirable	
Total:					42 credits