



Doctor of Philosophy in Biology (Ph.D. Biology)



Program Description

- advanced graduate Biology program that focuses on modern advances in the different branches of Biology
- covers the pertinent aspects of biodiversity across organization levels (genetic, species, and ecosystem)
- basic and applied research in Biodiversity
- **is offered as regular or straight Ph.D. track**



Program of Study

Ph.D. in Biology (Regular)

Year	First Semester	No. of units	Second Semester	No. of units
First	Specialty Course 1	3	Specialty Course 4	3
	Specialty Course 2	3	Specialty Course 5	3
	Specialty Course 3	3	Specialty Elective 1	3
	Total	(9)	Total	(9)
Summer :		Specialty Elective 2	3	
		Bi 390 (Graduate Seminar 1)	1	
		Total	(4)	
Second	Bi Compre 400 (Comprehensive Exams)	0	Bi 399 A (Dissertation*)	6
			Bi 391 (Graduate Sem 2)	1
			Total	(7)
Summer :		Bi 399 B (Dissertation*)	6	
Third	Bi 400 (Dissertation*)	0	Bi Def 400 (Dissertation*)	0
	Bi 392 (Graduate Sem 3)	1	Bi Submit 400	0



Ph.D. in Biology (Straight)

Year	First Semester	No. of units	Second Semester	No. of units
First	Biology Core Course 1	3	Biology Core Course 4	3
	Biology Core Course 2	3	Biology Core Course 5	3
	Biology Core Course 3	3	Total	(6)
	Total	(9)		
Qualifying Examinations				
Second	Specialty Course 1	3	Specialty Course 4	3
	Specialty Course 2	3	Specialty Course 5	3
	Specialty Course 3	3	Specialty Elective 1	3
	Total	(9)	Total	(9)
Summer :		Specialty Elective 2	3	
		Bi 390 (Graduate Seminar 1)	1	
		Total	(4)	
Third	Bi Compre 400 (Comprehensive Exams)	0	Bi 399 A (Dissertation*)	6
			Bi 391 (Graduate Sem 2)	1
			Total	(7)
Summer :		Bi 399 B (Dissertation*)	6	
Fourth	Bi 400 (Dissertation*)	1	Bi Def 400 (Dissertation*)	0
	Bi 392 (Graduate Sem 3)		Bi Submit 400	0



Requirements for Admission to Regular and Straight Ph.D. in Biology

Ph.D. Biology (Regular Program)	Ph.D. Biology (Straight Program)
Master's degree in Biology or equivalent*	Bachelor's degree in Biology or other related Science or Engineering degree*
Grade point Average of 85%, B, or 2.0. in the graduate course	Grade point Average of 90%, B+, or 3.5 in the undergraduate course, or A- in the graduate course (CHED requirement)
Favorable Score in the ADMU Graduate Programs Admission Tests as determined by the Biology Department's Graduate Programs Committee	Favorable Score in the ADMU Graduate Programs Admission Tests as determined by the Biology Department's Graduate Programs Committee
Interview with the Graduate Programs Committee	Interview with the Graduate Programs Committee

* Applicants may take bridging courses to be determined by the Department of Biology Graduate Programs Committee



Application process

- Admission to the Ph.D. Biology program requires a formal application to the Office of the Associate Dean for Graduate Programs (<http://www.admu.edu.ph/ls/graduate-programs>). The other requirements, among others, are an entrance examination, official transcript of records of the B.S. and/or M.Sc. degree/s, three (3) letters of reference (one from current employer and two from former professors), and an interview with the department's graduate program committee headed by the Department of Biology Chairperson.
- Various scholarships are available at a competitive basis. Please contact the department's Graduate Programs Coordinator (Janice A. Ragaza, Ph.D.) at jragaza@ateneo.edu for more information.



Biology Core Courses

CAT. NO.	COURSE TITLE	NO. OF UNITS
Bi 220	Advanced Microbiology	2
Bi 220.1*	Advanced Microbiology	1
Bi 230	Advanced Genetics	2
Bi 230.1*	Advanced Genetics	1
Bi 240	Advanced Cell and Molecular Biology	2
Bi 240.1*	Advanced Cell and Molecular Biology	1
Bi 260	Advanced Developmental Biology	2
Bi 260.1*	Advanced Developmental Biology	1
Bi 270	Advanced Ecology	2
Bi 270.1*	Advanced Ecology	1
Bi 271	Advanced Systematics	2
Bi 271.1*	Advanced Systematics	1
Bi 280	Advanced Physiology	2
Bi 280.1*	Advanced Physiology	1

* Laboratory



Biology Specialty Courses/ Specialty Electives

CAT. NO.	COURSE TITLE	NO. OF UNITS
Bi 304	Special Topics in Invertebrate Zoology	2
Bi 304.1*	Special Topics in Invertebrate Zoology	1
Bi 305	Special Topics in Entomology	2
Bi 305.1*	Special Topics in Entomology	1
Bi 321	Special Topics in Virology	3
Bi 323	Special Topics in Mycology	2
Bi 323.1*	Special Topics in Mycology	1
Bi 324.1*	Advances in Parasitology	3
Bi 326	Special Topics in Microbial Ecology	2
Bi 326.1*	Special Topics in Microbial Ecology	1
Bi 335	Special Topics in Population Genetics	3
Bi 336.1*	Advances in Cytogenetics	3
Bi 337	Special Topics in Genomics	3
Bi 341.1*	Advances in Biotechnology	3
Bi 342.1*	Advances in Bioinformatics	3
Bi 351.1*	Diversity of Form and Function of Organisms	3

* Laboratory



Biology Specialty Courses/ Specialty Electives (cont'd.)

CAT. NO.	COURSE TITLE	NO. OF UNITS
Bi 372	Special Topics in Limnology	2
Bi 372.1*	Special Topics in Limnology	1
Bi 373	Special Topics in Marine Ecology	2
Bi 373.1*	Special Topics in Marine Ecology	1
Bi 374	Special Topics in Terrestrial Ecology	2
Bi 374.1*	Special Topics in Terrestrial Ecology	1
Bi 375	Sociobiology	3
Bi 376	Special Topics in Evolutionary Biology	3
Bi 377	Special Topics in Conservation Biology	3
Bi 378	Special Topics in Biogeography	3
Bi 379.1*	Advances in Molecular Systematics	3
Bi 381	Special Topics in Phycology	2
Bi 381.1*	Special Topics in Phycology	1
Bi 380	Special Topics in Physiological Ecology	2
Bi 380.1*	Special Topics in Physiological Ecology	1
Bi 382.1*	Advances in Environmental Toxicology	3

* Laboratory