



Inter American University of Puerto Rico
Aguadilla Campus
Department of Graduate Studies

Sequential Master of Science in Biology with Specialization in
Molecular Biotechnology: Option A With a Research Project
Effective from July 2017
35 Credits

Year 1
First Trimester

CODE	COURSE	CREDITS
BIOL 5001	Integrated Biology I	3
BIOL 6971	Seminar I	1
EVSC 5020	Biostatistics	3
TOTAL		7

Second Trimester

CODE	COURSE	CREDITS
BIOL 5002	Integrated Biology II Requisite: BIOL 5001.	3
BIOL 6005	Biotechnology and Bioinformatics	3
BIOL 6972	Seminar II Requisite: BIOL 6971.	1
TOTAL		7

Third Trimester

CODE	COURSE	CREDITS
BIOL 6006	Biomolecular Techniques Laboratory	3

CODE	COURSE	CREDITS
	One specialization course selected from Table 1.	3
	One specialization course selected from Table 1.	3
TOTAL		9

Year 2
Fourth Trimester

CODE	COURSE	CREDITS
BIOL 6991	Thesis I	4
TOTAL		4

Fifth Trimester

CODE	COURSE	CREDITS
BIOL 6992	Thesis II Requisite: BIOL 6991.	4
TOTAL		4

Sixth Trimester

CODE	COURSE	CREDITS
BIOL 6993	Thesis III Requisite: BIOL 6992.	4
TOTAL		4

Table 1: Molecular Biotechnology Specialization Courses

CODE	COURSE	CREDITS
BIOL 6003	BIOL 6003 Molecular Immunology	3
BIOL 6004	BIOL 6004 Molecular Genetics	3

CODE	COURSE	CREDITS
BIOL 6007	Plants Biotechnology	3
BIOL 6008	Advanced Virology	3
BIOL 6009	Bioremediation Requisite: BIOL 5002.	3
BIOL 6010	Protozoology	3
BIOL 6013	Environmental Microbiology	3
BIOL 6014	Bacteriological Diagnosis	3
BIOL 6015	Extremophiles	3
BIOL 6016	Evolutionary Processes	3
BIOL 6020	Bioterrorism and Biodefense	3
BIOL 6021	Biosecurity for Responders	3
BIOL 6022	Food Hygiene and Biosecurity	3
BIOL 6023	Microbiology and Entomology	3
BIOL 6109	Developmental Biology Requisite: BIOL 5002.	3
BIOL 697_	Special Topics in Biology Requisite: BIOL 5002.	3
BIOL 6990	Scientific Writing	3