



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

Master of Science in Biology with Specialization in  
Environmental and Ecological Sciences: Option A With a Research Project  
Effective from July 2017  
35 Credits

Year 1  
First Trimester

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

Second Trimester

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
BIOL 5002	Integrated Biology II Requisite: BIOL 5001.	3
BIOL 6102	Environmental and Ecological Sciences	3
BIOL 6972	Seminar II Requisite: BIOL 6971.	1
<b>TOTAL</b>		<b>7</b>

Third Trimester

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
BIOL 6204	Methods of Research in Ecology	3

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
	One specialization course selected from Table 1.	3
	One specialization course selected from Table 1.	3
<b>TOTAL</b>		9

Year 2  
Fourth Trimester

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
BIOL 6991	Thesis I	4
<b>TOTAL</b>		4

Fifth Trimester

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
BIOL 6992	Thesis II Requisite: BIOL 6991.	4
<b>TOTAL</b>		4

Sixth Trimester

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
BIOL 6993	Thesis III Requisite: BIOL 6992.	4
<b>TOTAL</b>		4

Table 1: Environmental and Ecological Sciences Specialization Courses

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
BIOL 6006	Biomolecular Techniques Laboratory	3
BIOL 6007	Plants Biotechnology	3

<b>CODE</b>	<b>COURSE</b>	<b>CREDITS</b>
BIOL 6009	Bioremediation Requisite: BIOL 5002.	3
BIOL 6012	Biology and Conservation of Marine Mammals	3
BIOL 6013	Environmental Microbiology	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 6103	Tropical Ecology	3
BIOL 6104	Population Ecology	3
BIOL 6105	Island Biogeography	3
BIOL 6107	Pollution and Ecological Systems	3
BIOL 6108	Environmental Physiology of Animals	3
BIOL 697_	Special Topics in Biology Requisite: BIOL 5002.	3
BIOL 6990	Scientific Writing Requisite: BIOL 6204.	3
EVSC 5105	Geographic Information Systems and Applications in Environmental Sciences	3