Inter-American University of Puerto Rico
Barranquitas Campus
PhD in International Biotechnology

Semester I	Grade	In Progress	Credits	Semester II	Grade	In Progress	Credits
BIOT 7110 Molecular Biology and Epigenetics (C)			3	BIOT 7210 Skills in scientific communication (C)			3
BIOT 7120 Proteomics (C)			3	BIOT 7220 Laws, regulations, and international standards in Biotechnology (C)			3
BIOT 7130 Experimental Design and Biostatistics (C)			3	BIOT 7230 Agricultural Biotechnology (C)			3
BIOT 7140 Bioinformatics (C)			3	BIOT 7240 Development and gene expression in animals (C)			3
Total			12	Total			12
Total			3				
Semester III	**Grade**	**In Progress**	**Credits**	**Semester IV**	**Grade**	**In Progress**	**Credits**
BIOT 7310 Global Problems in Biotechnology (S)			3	BIOT 8911 Research Methods I (O)			3
BIOT 7320 Bioethics and International Regulatory Problems (S)			3	BIOT ____ Prescribed Distributives (P)			3
BIOT 7330 Laboratory Rotations in biotechnology (S)			3	BIOT ____ Prescribed Distributives (P)			3
Total			9	Total			9
Summer I	**Grade**	**In Progress**	**Credits**				
BIOT 8917 International Practices (S)			3				
Total			3				
Semester V	**Grade**	**In Progress**	**Credits**	**Semester VI**	**Grade**	**In Progress**	**Credits**
BIOT 8912 Research Methods II (O)			3	BIOT 8913 Research Methods III (O)			3
BIOT____ Prescribed Distributives (P)			3				
Total			6	Total			3
Semester VII	**Grade**	**In Progress**	**Credits**	**Semester VIII**	**Grade**	**In Progress**	**Credits**
BIOT 8991 Doctoral Dissertation in Biotechnology I (O)			3	BIOT 8992 Doctoral Dissertation in Biotechnology II (O)			3
Total			3	Total			3

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Name: _____ Student ID: _____ Academic Counselor: _____

PhD Course Requirements:

Core Requirements (C):	24 credits
Operational Requirements (O):	15 credits
Specialty Requirements (S):	12 credits
Prescribed Distributives (P):	9 credits

Total: 60 credits

Prescribed Distributives Requirements - 9 Credits

The student must select 3 courses from the following:

BIOT 7340	Metabolic engineering	3
BIOT 7350	Industrial biotechnology	3
BIOT 7360	Plant tissue and cell culture	3
BIOT 7370	Food security biotechnology	3
BIOT 7380	Biotechnology of crop improvement	3
BIOT 7390	Marine biotechnology	3
BIOT 797_	Special topics in biotechnology	3

PhD degree requirements:

- Successful completion of all coursework with a grade of B or higher (or pass for pass/fail courses)
- Maintaining a minimum GPA of 3.00 out of 4.00 scale
- Successful completion of an international research rotation
- Presentation of thesis-related work at a recognized scientific conference
- Successful defense of PhD research proposal
- Publication of a first-author article based on thesis research in a peer-reviewed journal
- Successful completion of the dissertation seminar and defense
- Submission of the final electronic copy of the dissertation