

General Education and Major Requirements Equivalency Chart

UPR-RP Equivalents					Miami-Dade AA Equivalents				
Area	Credits	Course No.	Credits	Course Name	Area	Credits	Course No.	Credits	Course Name
Spanish	6	Spanish 3XXX	6		Take at UPR-RP				
English	6	INGL 3123	3	Writing with Computers I	1. Communications	6	ENC 1101	3	English Composition 1
		INGL 3124	3	Writing with Computers II			ENC 1102	3	English Composition 2
Literature	6	LITE 3012	3	Contemporary Literature	2. Oral Communications	3	LIT 2480	3	Issues in Literature & Culture
		LITE XXXX	3	Generic	3B. Humanities	3	LIT 2120	3	A Survey of World Literature
Mathematical Logic	4	MATE 3151	4	Calculus I	II. Elective (recommended)	5	MAC 2311	5	Calculus and Analytical Geometry 1
Natural Science	6	CIBI 3XXX	3	Various courses	Take at UPR-RP				
		CIFI 3XXX	3	Various courses					
Social Sciences	6	CISO 3121	3	Introduction to the Social Sciences I	4A. Behavioral/Social Science	3	ISS 1161	3	The Individual in Society
		CISO 3122	3	Introduction to the Social Sciences II	4B. Behavioral/Social Science	3	ISS 1120	3	The Social Environment
Humanities	6	HUMA 3XXX	3	Various Courses	Take at UPR-RP				

		HUMA 3XXX	3	Various Courses					
Art	3	ARQU 3121	3	Introduction to Architecture	3A. Humanities	3	ARC 2701	3	History of Architecture 1
		ARTE 3199	3	Introduction to Visual Arts			ARH 1000	3	Art Appreciation
		ARTE 3901	3	Fundamentals of Visual Arts I			ARH 2050	3	Art History 1
		MUSI 3145	3	Introduction to Musical Art Repertoire	3A. Humanities (Take one of the courses listed)	3	MUL 1010	3	Music Appreciation
							DAN 2100	3	Dance Appreciation
							HUM 1020	3	Humanities
							IND 1100	3	History of Interiors 1
							MUH 2111	3	Survey of Music History 1
		MATE 3023	2	Precalculus I	II. Elective	6	MAC 1114	3	Trigonometry
		MATE 3024	2	Precalculus II			MAC 1140	3	Pre-Calculus Algebra
							or	MAC 1147	5
				BIOL 3101	4	General Biology I	5A. Natural Science	3	BSC 2010
					II. Elective	24	BSC 2010L	2	Principles of Biology 1 Laboratory
		QUIM 3001	4	General Chemistry I	5B. Natural Science	3	CHM 1045	3	General Chemistry and Qualitative Analysis 1
					II. Elective	24	CHM 1045L	2	General Chemistry and Qualitative Analysis 1 Lab
		BIOL 3102	4	General Biology II	II. Elective	24	BSC 2011	3	Principles of Biology 2

						BSC 2011L	2	Principles of Biology Lab 2
	BIOL 3111	3	Ecology	Take at UPR-RP				
	BIOL 3112	1	Ecology Lab					
	QUIM 3002	4	General Chemistry II	II. Elective	24	CHM 1046	3	General Chemistry and Qualitative Analysis 2
						CHM 1046L	2	General Chemistry and Qualitative Analysis 2 Lab
	CINA 4147	3	Physical Geology	II. Elective	24	GLY 1010	3	Physical Geology
						GLY 1010L	1	Physical Geology Lab
	CINA 3005	3	Introduction to Environmental Science	II. Elective	24	EVR 1001	3	Introduction to Environmental Science
	CINA 3128	2	Planning and Regulation of Natural Resources.	Take at UPR-RP				
	CINA 4071	1	Seminar in Environmental Science (to be offered via teleconference)	II. Elective	24	EVR 1930	1	Environmental Seminar (to be offered via teleconference)
	CINA 4072	1	Seminar in Environmental Science (to be offered via teleconference)			EVR 1930	1	Environmental Seminar (to be offered via teleconference)
	CINA 4127	2	Techniques in the management and conservation of the environment	Take at UPR-RP				
	CINA 4157	3	Management and Conservation of Terrestrial and Aquatic Resources	Take at UPR-RP				

				of Puerto Rico					
		CINA 4177	2	Management and Conservation of Air Resources	Take at UPR-RP				
		CINA 4997	1 - 3	Research	Take at UPR-RP				
		FISI 3011	3	General Physics I	II. Elective	24	PHY 2048	4	Physics with Calculus 1
		FISI 3013	1	Lab General Physics I	II. Elective	24	PHY 2048L	1	Physics with Calculus 1 Lab
		FISI 3012	3	General Physics II	II. Elective	24	PHY 2049	4	Physics with Calculus 2
		FISI 3014	1	Lab General Physics II	II. Elective	24	PHY 2049L	1	Physics with Calculus 2 Lab
		MATE 3026	3	Introduction to Statistics with computers	Take at UPR				
		QUIM 3015	4	Organic Chemistry	Take at UPR-RP				
Optional Courses	9	CINA 3126	2	Populations, resources, and the environment	Take at UPR-RP				
		CINA 3127	2	Economics of Natural Resources	Take at UPR-RP				
		CINA 4167	2	Land use and management	Take at UPR-RP				
		FISI 3017	3	Energy Production, technology, and the environment	Take at UPR-RP				
		BIOL 3110	2	Ecology of Puerto Rico	Take at UPR-RP				
		QUIM 3025	4	Analytical Chemistry	Take at UPR-RP				
		CINA 3XXX	3		II. Elective	24	PSC 1515	3	Energy in the Natural Environment

		CINA 3XXX	3				PCB 2033	3	Introduction to Ecology
		CINA 3XXX	3				BSC 1050	3	Biology & Environment
		CINA 4995	3	Special Topics: GIS Basic	II. Elective	24	GIS 2040	3	Introduction to GIS

GRADUATION REQUIREMENTS UPR-RP ENVIRONMENTAL SCIENCE BACHELOR'S OF SCIENCE DEGREE*

UPR-RP Requirement		Credits	MDC-N Requirement		Credits	MDC/UPR
I. General Education Requirements		43			18 (22)	
	Social Sciences	6	ISS 1161	The Individual in Society (4A. Behavioral/Social Science)	3	MDC/UPR
	Humanities	6				UPR
	Spanish	6				UPR
	English	6	ENC 1101 ENC 1102	English Composition English Composition 2 (1. Communications)	3 3	MDC
	Literature	6	LIT 2480 LIT 2120	Issues in Literature & Culture (2. Oral Communications) A Survey of World Literature (3B. Humanities)	3 3	MDC
	General Education in Natural Science	6				UPR
	Art	3		3. A. Humanities	3	MDC
MATE 3151	Calculus I	4	MAC 2311	Calculus and Analytical Geometry 1	5(4)	
II. College of Natural Sciences Requirements		27			16 (27)	
BIOL 3101-3102	General Biology	8	BSC 2010/L BSC 2011/L	Principles of Biology 1 & Lab Principles of Biology 2 & Lab	5(4) 5(4)	MDC
FISI 3011-3012	General Physics	6	PHY 2053 PHY 2054	Physics (without Calculus) Physics (without Calculus) 2	3 3	
FISI 3013-3014	General Physics Lab	2	PHY 2053L	Physics (without Calc) Lab	1	

			PHY 2054L	Physics (without Calc) 2 Lab	1	
MATE 3026	Statistics	3				UPR
QUIM 3001-3002	General Chemistry	8	CHM 1045/L CHM 1046/L	General Chemistry and Qualitative Analysis 1 & 2 & Lab 1/2	5(4) 5(4)	MDC
III. A. Environmental Sciences Major Requirements		33			8 (16)	
CINA 3128	Planning and Legal Regulations	2				UPR
CINA 4071	Seminar	1	EVR 1930	Seminar in Environmental Science	1	MDC
CINA 4072	Seminar	1	EVR 1930	Seminar in Environmental Science	1	MDC
CINA 3005	Introduction to Environmental Science	3	EVR 1001	Introduction to Environmental Science	3	MDC
CINA 4127	Techniques in Environmental Management	2				UPR
CINA 4147	Physical Geology	3	GLY 1010/L	Physical Geology/Lab	4	MDC
CINA 4157	Aquatic Resources	3				UPR
CINA 4177	Air Resources	2				UPR
CINA 4997	Research	3				UPR
BIOL 3111	Ecology	3				UPR
BIOL 3112	Ecology Lab	1				UPR
QUIM 3015	Organic Chemistry	4				UPR
ECON 3005	Introduction to Environmental Economic	3				UPR
III. B. Optional Environmental Sciences Major Requirements		9			0	
CINA 3126	Populations, resources, and the environment	2				UPR
CINA 3127	Economics of Natural Resources	2				UPR
CINA 4167	Land Use and Management	2				UPR
FISI 3017	Energy Production and the Environment	3				UPR
BIOL 3110	Ecology of Puerto Rico	2				UPR
QUIM 3025	Analytical Chemistry	4				UPR
CINA 3XXX		3	PSC 1515	Energy in the Natural Environment		
CINA 3XXX		3	PCB 2033	Introduction to Ecology		
CINA 3XXX		3	BSC 1050	Biology & Environment		

CINA 4995	Special Topics: GIS Basic	3	GIS 2040	Introduction to GIS		
IV. Free Electives		18			(10)	
Up to 13 credits may be taken in any of the Colleges of the University of Puerto Rico but it is recommended that students take at least 2 or more courses in the College of Natural Sciences.			MAC 1105	College Algebra	3	MDC
			MAC 1114	Trigonometry	3(2)	
			MAC 1140	Pre-Calculus Algebra	3(2)	MDC
			MAC 1147	Pre-Calculus Algebra and Trigonometry	5(4)	
			ISS 1120	The Social Environment	3	MDC
Total credits required:		130			42(73)/Max 65	

*Students must complete the following if not completed prior to enrollment at UPR-RP:

MATE 3151	Calculus I	4	MAC 2311	Calculus and Analytical Geometry I	5(4)
FISI 3011-3012	General Physics	6	PHY 2048	Physics with Calculus 1	4 (3)
			PHY 2049	Physics with Calculus 2	4 (3)
FISI 3013-3014	General Physics Lab	2	PHY 2048L	Physics with Calculus 1 Lab	1
			PHY 2049L	Physics with Calculus 2 Lab	1
CINA 4147	Physical Geology	3	GLY 1010/L	Physical Geology	4

*These requirements are revised annually and are subject to changes.