

**ROBERT MORRIS UNIVERSITY**
**ACADEMIC REQUIREMENTS FOR**

Bachelor of Arts

**EFFECTIVE FALL 2009**
**Major: ENVIRONMENTAL SCIENCE**
**1. ROBERT MORRIS UNIVERSITY CORE--40 Credits**

*BIOL1310	Principles of Biology	3 BIOL101	ELIT_____	Literature Elective	3 WRIT102
*BIOL1315	Principles of Biology Laboratory	1 BIOL101	HIST_____	History Elective	3 HIST___
COSK1220	Reading and Writing Strategies	3 WRIT101	HUMA1010	Humanities: Art and Music	3_____
COSK1221	Argument and Research	3_____	INFS1020	Intro to Decision Support Systems	3 CIST100
COSK2220	Public Speaking and Persuasion	3 COMM201	MATH2040	Finite Math & Applied Calculus	3_____
COSK2230	Professional Communications	3_____	PSYC1010	General Psychology	3 PSYC101
ECON1020	Principles of Macroeconomics	3_____	SOCI1010	Principles of Sociology	3 SOCI101

**2. FUNDAMENTAL SCIENCE AND STATISTICS COURSES--23 Credits**

*CHEM1210	Chemistry I	3 CHEM101	*METE1000	Introduction to Meteorology	3_____
*CHEM1215	Chemistry I Laboratory	1 CHEM101	*METE1050	Introduction to Meteorology Lab	1_____
*CHEM2210	Chemistry II	3 CHEM102	*PHYS2610	Environmental Physics	3_____
*CHEM2215	Chemistry II Laboratory	1 CHEM102	*PHYS2615	Environmental Physics Laboratory	1_____
*GEOL1000	Introduction to Physical Geology	3_____	*STAT2110	Statistics	3 MATH135
*GEOL1015	Introduction to Physical Geology Lab	1_____			

**3. MAJOR--26 Credits**

*BIOL2370	Microbiology	3 BIOL215	*ENVS4460	Environmental Health and Toxicology	3_____
*BIOL2380	Microbiology Laboratory	1 BIOL215	*ENVS4470	Environmental Law, Ethics/Public Policy	3_____
*ENVS2500	Ecology Fundamentals	3 BIOL205	*ENVS4480	Natural Resource Management and Conservation	3_____
*ENVS2550	Ecology Fundamentals Lab	1 BIOL205	*ENVS4700	Senior Thesis	3_____
*ENVS4100	Advanced Ecology	3_____	or *ENVS4903	Internship	
*ENVS4450	Air, Water and Land Pollution Control and Management	3_____			

**4. OPEN ELECTIVES AND OTHER REQUIREMENTS --34 Credits Minimum**

BIOL2310	Prin of Biology II & Lab (2315)	4 BIOL102	_____	_____	3_____
BIOL3470	Human Genetics & Lab (3475)	4 BIOL210	_____	_____	3_____
_____	Math or Science Elective 4 <sup>th</sup> Semester.	3 TRF	_____	_____	3_____
_____	History Elective Fourth Semester	3 HIST___	_____	_____	3_____
MATH1010	College Mathematics	3 MATH130	_____	_____	1_____
_____	_____	3_____	_____	Carry over from 4 credit Math or Sci course	1 TRF

**Up to 62 credits apply to this degree program from CCBC**

**SEMESTER BY SEMESTER BREAKDOWN OF COURSE EQUIVALENTS**

<b>CCBC COURSES</b>		<b>RMU EQUIVALENT</b>	
<b>CRSE NO</b>	<b>COURSE TITLE</b>	<b>CRSE NO</b>	<b>COURSE TITLE</b>
<b>First Semester</b>			
BIOL101	General Biology I	BIOL1310	Prin of Biology I and Lab (BIOL1315)
CHEM101	General Chemistry I	CHEM1210	Chemistry I and Lab (CHEM1215)
MATH130	College Algebra	MATH1010	College Mathematics (Open Elective)
PSYC101	General Psychology	PSYC1010	General Psychology
WRIT101	English Composition I	COSK1220	Reading/Writing Strategies
<b>Second Semester</b>			
BIOL102	General Biology II	BIOL2310	Prin of Biology II/Lab (BIOL2315)(Op El)
CHEM102	General Chemistry II	CHEM2210	Chemistry II and Lab (CHEM2215)
WRIT102	English Composition II	ELIT_____	Literature Elective
MATH135	Statistics ( <b>Math Elective</b> )	STAT2110	Statistics
<b>Third Semester</b>			
BIOL205	Ecology	ENVS2500	Ecology Fund & Lab (ENVS2550)(Op El)
CIST100	Intro to Information Technology	INFS1020	Intro to Decision Support Systems
SOC1101	Principles of Sociology	SOC11010	Principles of Sociology
	History Elective	HIST_____	History/Political Science Elective
BIOL215	Microbiology ( <b>Liberal Arts Elective</b> )	BIOL2370	Microbiology and Lab (BIOL2380)
<b>Fourth Semester</b>			
BIOL210	Genetics	BIOL3470	Human Genetics/Lab (BIOL3475) Open El
COMM201	Public Speaking	COSK2220	Public Speaking and Persuasion
	History Elective		Open Elective
	Any Math or Science Course		Open Elective