Department of Physical, Environmental & Computer Science - B.S. - Environmental Science

REVISED PROGRAM

FIXED/REQUIRED CORE

Course	Course Title	Credits
English Composition		
ENGL 112	College Composition I	3
ENGL 150	College Composition II	3
Mathematics and Quantitative Reasoning		
MTH 115	Nature of Mathematics	3
RECOMMENDED MATH COURSE: MTH 138 College Algebra & Trigonometry		
Life and Physical Sciences		
BIO 101 **OR**	Introduction to the Science of Biology **OR**	
PHS 101	Introduction to Physical Science	3
TOTAL		**12**

FLEXIBLE CORE

World Cultures and Global Issues		
ENGL 212	World Literature: The Evolving Canon	3
U.S. Experience in its Diversity		
HIST 200	The Growth and the Development of the U. S.	3
Creative Expressions		
ART 100	Introduction to World Art	3
MUS 100	Introduction to World Music	3
Individual and Society		
SSC 101	Culture, Society, and Social Change	3
Scientific World		
BIO 211	Biotechnology & Society	3
TOTAL		**18**

COLLEGE OPTION

Electives from College Option (*See Selections Below*)

SOCIO-CULTURAL COURSES

Choose from 1 of the following:

FREN 101 and FREL 101	Beginning French I with Lab	**OR**
SPAN 101 and SPAL 101	Beginning Spanish I with Lab	**OR**
FREN 201	Intermediate French I	**OR**
SPAN 201	Intermediate Spanish I	**OR**
SPAN 203	Spanish for Native Speakers I	**OR**

INTEGRATIVE KNOWLEDGE COURSES

Choose 1 course from each group:

HUMANTIES:

FREN 102 and FREL 102	Beginning French II with Lab	**OR**
SPAN 102 and SPAL 102	Beginning Spanish II with Lab	**OR**
FREN 202	Intermediate French II	**OR**
SPAN 202	Intermediate Spanish II	**OR**

NATURAL SCIENCE OR MATH:		
ENVS 200	Environmental Science	
SOCIAL & BEHAVIORAL SCIENCES:		
ECON 430	War on Drug	**OR**
HIST 300	Women Leaders in Civil Rights	**OR**
MASS 473	Hip Hop: Political, Historical, Social	
TOTAL		**12**

	MAJOR REQUIREMENTS and ELECTIVES	
BIO/L 201	General Biology	4
BIO/L 202	General Biology 2	4
BIO/L 261	Immuniolgy and Microbiology	4
CHM/L 201	General Chemistry 1	4
CHM/L 202	General Chemistry 2	4
CHM/L 303	Organic Chemistry 1	4
ENVS 200	Environmental & Health Issues	3
ENVS 203	Environmental & Occupational Law	3
ENVS 301	Air and Water Pollution	3
ENVS 302	Measurements and Instrumentation	4
ENVS 313	Waste Management	3
ENVS 304	Epidemiology	3
ENVS 401	Ground Water	3
ENVS 404	Internship	3
ENVS 405	Pollution Control and Prevention	3
ENVS 413 **OR**	Field Study **OR**	3
ENVS 320*	Toxicology of Environmental and Industrial Agents*	
MTH 151	Pre-Calculus	4
MTH 202	Calculus I	4
MTH 203 or MTH 222*****	Calculus 2 or Intro to Probability and Statistics *	4
PHY/L 211	Physics 1	4
PHY/L 212	Physics 2	4
Free Elective		3
TOTAL		**78**
GRAND TOTAL		**120**

*** Environmental Science Health Track Students Must Take ENVS 320 and MTH 222.**

Note 1: Mathematics and Quantitative Reasoning: Students placed in MTH 151 (Pre-Calculus) or MTH 202 (Calculus I) are exempted from taking MTH 138 (College Algebra and Trigonometry). MTH 151 or MTH 202 will fulfill the Mathematics and Quantitative Reasoning requirement. Students who have already taken MTH 115 will have fulfilled the Mathematics and Quantitative Reasoning of Pathways/General Education. Students will be required to take the Mathematics sequence required for the Program.

Note 2: Life and Physical Sciences: Students placed in BIO 201 (General Biology I) are exempted from BIO 101 (Introduction to the Science of Biology). Students placed in PHY 205 (Introduction to Physics I) or PHY 211 (University Physics I) are exempted from PHS 101 (Introduction to Physical Science) and PHY 114 (Basic Physics). Students placed in CHM 201 (General Chemistry I) are exempted from CHM 112 (Basic Chemistry).
Students placed in BIO 201 or PHY 211 or PHY 205 or CHM 201 will fulfill the Life and Physical Sciences requirement. Students who have already taken BIO 101 or PHS 101 or PHY 114 or CHM 112 will have fulfilled the Life and Physical Sciences of Pathways/General Education. Students will be required to take the Science sequence required for the Program.