ENVIRONMENTAL BIOLOGY

BACHELOR OF SCIENCE

FERRIS STATE UNIVERSITY/WEST SHORE COMMUNITY COLLEGE TRANSFER PLAN

CONCENTRATION ADVISOR: DR. PAUL KLATT

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Admission requirement for transfer students:

1. Transfer students with fewer than 12 transferable credits at the time of application, must meet the current freshman admission criteria. The application will be considered for admission based upon the high school academic record.
2. Transfer students with 12 or more transferable credits at the time of application (including both English and Algebra) must have a minimum CGPA of 2.0. Students without an English and Algebra class will be required to submit an ACT/SAT score.

Graduation Requirements:

1. 2.0 CUMULATIVE Grade Average in all coursework.
2. 2.0 Grade Average in biology courses with no grade lower than C-.
3. 121 minimum semester credits including general education requirements.
4. Residency requirement: 30 minimum FSU semester credits
5. Minimum of 40 credits numbered 300 or higher.

REQUIRED		COURSE TITLE – FOR PREREQUISITES, SEE FSU OR WEST SHORE CATALOG COURSE DESCRIPTIONS	FSU S.H.	WCC Equivalent	GRADE
MAJOR 73-87 credits (* denotes Summer only)					
BIOL	121	General Biology 1	4		
BIOL	122	General Biology 2	4		
BIOL	353	Plant Physiology	4		
BIOL	375	Principles of Genetics	3		
BIOL	341* Or 344	Natural History of Invertebrates Entomology	3		
BIOL	342*	Vertebrate Natural History	3		
BIOL	351*	Field Botany	3		
BIOL	460	Current Topics in Biology	2		
BIOL	492	Internship (instructor consent)	1-3		
Ecology core: choose at least 2 from the following 3 classes			6		
BIOL BIOL BIOL	347 442 346	Environmental Conservation Ecology Ecological Assessment			
Biology Elective : choose 1 300+ BIOL elective. The following courses are recommended:			3		
BIOL BIOL BIOL	340 348 345	Evolution Animal Behavior Environmental Regulations			
Biology Application Area					
MATH	251	Statistics for the Life Sciences	3		
CHEM	324 OR 364	Fundamentals of Biochemistry Biochemistry	3-4		
GISC or GEOG	225 311	Principles of Geographic Information Systems Social Implications of Geographic Information Systems	3		
Supporting Sciences					
MATH	130	Adv Algebra and Analytic Trigonometry	4		
CHEM	121	General Chemistry 1	5		
CHEM	122	General Chemistry 2	5		
CHEM	214 Or 321 + 322	Fundamentals of Organic Chemistry Organic Chemistry 1 Organic Chemistry 2	4-10		
GEOL	121 or 131	Physical Geology Geology and Land Use Management	3-4		
PHYS	130 Or 211 + 212	Concepts in Physics Introductory Physics 1 Introductory Physics 2	4-8		

COMPUTER COMPETENCE			
Competency as judged by advisor or ISYS 105: Microcomputer Applications	3		

General Education: All students must complete the General Education requirements associated with this degree.

FSU honors MACRAO stamp on an official transcript as fulfilling lower level general education courses that are not programmatic or prerequisite requirements. The remaining upper level course to complete General Education would be in English.

For students not receiving a MACRAO stamp: Listed below are general education requirements not satisfied in the program major area that must be taken to complete the General Education requirements.

FSU General Education requirements are available on the FSU web site at:
http://www.ferris.edu/htmls/academics/gened/gened.html
Listings of FSU courses that will satisfy these requirements are available on the FSU web site at:
http://www.ferris.edu/htmls/academics/gened/courses.html.
Equivalencies for FSU courses at your school may be found on the FSU web site at:
http://www.ferris.edu/admissions/Transfer/WebPages/homepage1.cfm

Remaining General Education Requirements not fulfilled in the major: minimum 18 credits					
ENGL	150	English 1	3		
ENGL	250	English 2	3		
ENGL	321	Advanced Composition	3		
COMM	121	Fundamentals of Public Speaking	3		
		Cultural Enrichment Elective	3		
		Cultural Enrichment Elective	3		
		Cultural Enrichment Elective 200 +	3		
		Social Awareness Elective	3		
		Social Awareness Elective	3		
		Social Awareness Elective 200 +	3		
		Global Consciousness - to be taken as one of the cultural enrichment or social awareness courses			
		Race/Ethnicity/Gender - to be taken as one of the cultural enrichment or social awareness courses			
ELECTIVES to the minimum 121 required for this degree					