

# ***FORENSIC BIOLOGY***

## ***BACHELOR OF SCIENCE IN APPLIED BIOLOGY***

### **FERRIS STATE UNIVERSITY/NORTHWESTERN MICHIGAN COLLEGE TRANSFER PLAN**

**CONCENTRATION ADVISOR: DR. PHILLIP WATSON**

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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. 122 minimum semester credits including general education requirements.
4. Residency requirement: 30 minimum FSU semester credits
5. Minimum of 40 credits numbered 300 or higher.

<b>REQUIRED</b>		<b>COURSE TITLE – FOR PREREQUISITES, SEE FSU OR NMC CATALOG COURSE DESCRIPTIONS</b>	<b>FSU S.H.</b>	<b>NMC Equivalent</b>	<b>GRADE</b>
<b>MAJOR – 33 Credit Hours Required</b>					
BIOL	121	General Biology 1	4	BIO115+ BIO116	
BIOL	122	General Biology 2 (NWMC course sequence equals both FSU's BIOL121 & 122. All courses in sequence must be taken to receive credit.)	4		
BIOL	205	Human Anatomy & Physiology	5	BIO227+ BIO228	
BIOL	207	Forensic Biology	3		
BIOL	286	General Microbiology	3		
BIOL	307	Forensic Human Pathology	3		
BIOL or BIOL	347 442	Environmental Conservation Ecology	3	BIO260	
BIOL	375	Principles of Genetics	3		
BIOL	407	Forensic DNA Analysis	3		
BIOL	460	Current Topics in Biology	2		
<b>Supporting Courses – Minimum Credit Hours required 38 or 44</b>					
CHEM	121	General Chemistry 1	5	CHM150+ CHM150R	
CHEM	122	General Chemistry 2	5	CHM151+ CHM151R	
CHEM	207	Science and Crime	3		
CHEM	214	Fundamentals of Organic Chemistry	4		
CHEM or CHEM & CHEM	321 322	Organic Chemistry 1 Organic Chemistry 2	5 5	CHM250+ CHM251	
CHEM	324	Biochemistry	3		
CRIM	110	Intro to Criminal Justice	3	CJ101	
CRIM	301	CJ Investigation Issues	3		
GEOL	121	Physical Geology	4	ENV111	
MATH	130	Adv Algebra & Analytic Trigonometry	4	MTH140	
PHYS	211	Introductory Physics 1	4	PHY121	
<b>ADDITIONAL PROGRAM REQUIREMENTS – 3 credits</b>					
COMM	121	Fundamentals of Public Speaking	3	COM111	
<b>Electives – 6 credit hours required – must be 200 level or above</b>					
<b>COMPUTER COMPETENCE</b>					
ISYS	105	Microcomputer Applications	3	CIS210	

<b>Applied Biology Electives – 12 Minimum Credit Hours Required – from the following:</b>					
BIOL	300	Pathophysiology	3		
BIOL	340	Evolution	3		
BIOL	341	Natural History Invertebrates	3		
BIOL	342	Natural History Vertebrates	3	BIO250	
BIOL	344	Entomology	3		
BIOL	349	Medical Parasitology	3		
BIOL	351	Field Botany	3		
BIOL	370	Developmental Biology	4		
BIOL	373	Cell Biology	3		

General Education: All Students must complete the General education associated with this degree. Some courses listed in the major program requirements also satisfy general education requirements. Listed below are general education requirements not satisfied in the programs major area.

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/Tranfer/WebPages/homepage1.cfm>

<b>Remaining General Education Requirements not fulfilled in the major: minimum 27 credits</b>					
ENGL	150	English 1	3	ENG111	
ENGL	250	English 2	3	ENG112	
Choose 1:		ENGL 311 Advanced Technical Writing	3		
		ENGL 321 Advanced Composition			
		ENGL 323 Proposal Writing			
		ENGL 325 Advanced Business Writing			
		Cultural Enrichment Elective	3		
		Cultural Enrichment Elective	3		
		Cultural Enrichment Elective – 200 level or higher	3		
		Social Awareness Elective – Foundation	3		
		Social Awareness Elective – Second Subject Area	3		
		Social Awareness Elective – 200 level or higher	3		
		Race/Ethnicity/Gender – to be taken as one of the Cultural Enrichment or Social Awareness courses.			
		Global Consciousness – to be taken as one of the Cultural Enrichment or Social Awareness courses.			
<b>Electives to the minimum 122 required for this degree</b>					