

FORENSIC BIOLOGY

BACHELOR OF SCIENCE IN APPLIED BIOLOGY

FERRIS STATE UNIVERSITY/BAY DE NOC COMMUNITY 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.

| REQUIRED | | COURSE TITLE – FOR PREREQUISITES, SEE FSU OR BAY DE NOC CATALOG COURSE DESCRIPTIONS | FSU S.H. | BAY DE NOC Equivalent | GRADE |
|---|------------|--|-----------------|------------------------------|--------------|
| MAJOR – 33 Credit Hours Required | | | | | |
| BIOL | 121 | General Biology 1 | 4 | BI110 | |
| BIOL | 122 | General Biology 2 | 4 | BI112 | |
| BIOL | 205 | Human Anatomy & Physiology | 5 | BI213 + 214 | |
| BIOL | 207 | Forensic Biology | 3 | | |
| BIOL | 286 | General Microbiology | 3 | BI226 | |
| BIOL | 307 | Forensic Human Pathology | 3 | | |
| BIOL or BIOL | 347 442 | Environmental Conservation Ecology | 3 | | |
| BIOL | 375 | Principles of Genetics | 3 | | |
| BIOL | 407 | Forensic DNA Analysis | 3 | | |
| BIOL | 460 | Current Topics in Biology | 2 | | |
| Supporting Courses – Minimum Credit Hours required 38 or 44 | | | | | |
| CHEM | 121 | General Chemistry 1 | 5 | CH105 | |
| CHEM | 122 | General Chemistry 2 | 5 | CH106 | |
| 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 | CH201 CH202 | |
| CHEM | 324 | Biochemistry | 3 | | |
| CRIM | 110 | Intro to Criminal Justice | 3 | CJ112 | |
| CRIM | 301 | CJ Investigation Issues | 3 | | |
| GEOL | 121 | Physical Geology | 4 | | |
| MATH | 130 | Adv Algebra & Analytic Trigonometry | 4 | | |
| PHYS | 211 | Introductory Physics I | 4 | PH201 | |
| ADDITIONAL PROGRAM REQUIREMENTS – 3 credits | | | | | |
| COMM | 121 | Fundamentals of Public Speaking | 3 | CM104 | |
| Electives – 6 credit hours required – must be 200 level or above | | | | | |
| | | | | | |
| COMPUTER COMPETENCE | | | | | |
| ISYS | 105 | Microcomputer Applications | 3 | CA120 + 121 + 123 | |
| Applied Biology Electives – 12 Minimum Credit Hours Required – from the following: | | | | | |
| BIOL | 300 | Pathophysiology | 3 | | |
| BIOL | 340 | Evolution | 3 | | |
| BIOL | 341 | Natural History Invertebrates | 3 | | |
| BIOL | 342 | Natural History Vertebrates | 3 | | |
| BIOL | 344 | Entomology | 3 | | |

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|------|-----|-----------------------|---|--|--|
| 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>

| Remaining General Education Requirements not fulfilled in the major: minimum 27 credits | | | | | |
|--|-----|--|---|-------|--|
| ENGL | 150 | English 1 | 3 | EN101 | |
| ENGL | 250 | English 2 | 3 | EN102 | |
| 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. | | | |
| Electives to the minimum 122 required for this degree | | | | | |
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