

# BACHELOR OF SCIENCE IN APPLIED BIOLOGY

## FERRIS STATE UNIVERSITY/MONTCALM COMMUNITY COLLEGE TRANSFER PLAN

**PROGRAM COORDINATOR: DR. KAREN STRASSER**

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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 MONTCALM CATALOG COURSE DESCRIPTIONS  | FSU S.H. | MONTCALM Equivalent                  | GRADE |
|--|--------|--|----------|--------------------------------------|-------|
| <b>MAJOR: 36 credit minimum</b>  |        |  |          |                                      |       |
| BIOL   | 121    | General Biology 1  | 4        | BIOL110 & 115<br>or BIOL121 &<br>122 |       |
| BIOL   | 122    | General Biology 2 (Montcalm course sequence equals both FSU's BIOL121 & 122. All courses in sequence must be taken to receive credit.) | 4        |                                      |       |
| BIOL   | 375    | Principles of Genetics   | 3        |                                      |       |
| BIOL   | 460    | Current Topics in Biology  | 2        |                                      |       |
| Anatomy/Physiology   |        |  | 5        |                                      |       |
| Microbiology   |        |  | 3        |                                      |       |
| Biology Elective (consult program coordinator for proper course) BIOL 340 (recommended)  |        |  |          |                                      |       |
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| BIOL   | 347 or | Environmental Conservation<br>Ecology  | 3        |                                      |       |
| BIOL   | 442    |  |          |                                      |       |
| <b>SUPPORTING SCIENCES: 20 CREDITS MINIMUM. - Requirements: MATH 120 minimum; CHEMISTRY- minimum 7 credits (including Biochemistry); PHYSICS- minimum 4 credits.</b> |        |  |          |                                      |       |
| MATH   |        | MATH 120 minimum   |          | MATH120                              |       |
|  |        |  |          |                                      |       |
|  |        |  |          |                                      |       |
|  |        |  |          |                                      |       |
| <b>ADDITIONAL PROGRAM REQUIREMENTS: 3 credits</b>  |        |  |          |                                      |       |
| COMM   | 121    | Fundamentals of Public Speaking  | 3        | COMM210                              |       |
| <b>APPLICATION AREA: 8 CREDITS MINIMUM (Consult Program Coordinator for proper courses)</b>  |        |  |          |                                      |       |
|  |        |  |          |                                      |       |
|  |        |  |          |                                      |       |
| <b>COMPUTER COMPETENCE</b>   |        |  |          |                                      |       |
|  |        | (ISYS 105 Microcomputer Applications-recommended)  | 3        | CMIS156 & 157<br>& 159 or<br>CMIS175 |       |

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/Transfer/WebPages/homepage1.cfm>

| <b>Remaining General Education Requirements not fulfilled in the major: minimum 27 credits</b> |                   |  |   |         |  |
|--|-------------------|--|---|---------|--|
| ENGL   | 150               | English 1  | 3 | ENGL100 |  |
| ENGL   | 250               | English 2  | 3 | ENGL101 |  |
| ENGL or<br>ENGL or<br>ENGL   | 311<br>321<br>323 | Advanced Technical Writing<br>Advanced Composition<br>Proposal Writing   | 3 |         |  |
|  |                   | Cultural Enrichment elective   | 3 |         |  |
|  |                   | Cultural Enrichment elective   | 3 |         |  |
|  |                   | Cultural Enrichment elective – 200 level or higher   | 3 |         |  |
|  |                   | Social Awareness elective  | 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 elective courses   |   |         |  |
|  |                   | Global Consciousness – to be taken as one of the Cultural Enrichment or Social Awareness elective courses. See:<br><a href="http://www.ferris.edu/htmls/academics/gened/courses.html">http://www.ferris.edu/htmls/academics/gened/courses.html</a> |   |         |  |
| <b>Electives to the minimum 121 credits requires for the degree</b>                            |                   |  |   |         |  |
|  |                   |  |   |         |  |
|  |                   |  |   |         |  |
|  |                   |  |   |         |  |
|  |                   |  |   |         |  |