

PRE-OPTOMETRY

BACHELOR OF SCIENCE IN APPLIED BIOLOGY

FERRIS STATE UNIVERSITY/MOTT COMMUNITY COLLEGE TRANSFER PLAN

CONCENTRATION ADVISOR: DR. DOUG FONNER

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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 for the Bachelor of Science in Applied Biology:

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.

Admission to the Michigan College of Optometry is competitive. The MCO will prefer the applicant who has achieved a bachelor of science degree. Students may apply after three years of college when they have achieved a minimum of 90 credits as indicated below. For additional information on admission policies of the Michigan College of Optometry you should go to their website.

| REQUIRED | | COURSE TITLE – FOR PREREQUISITES, SEE FSU OR MOTT CATALOG COURSE DESCRIPTIONS | FSU S.H. | MOTT Equivalent | GRADE |
|--|-----|--|-----------------|------------------------|--------------|
| Major courses specifically required by MCO | | | | | |
| ENGL | 150 | English 1 | 3 | ENGL101 | |
| ENGL | 250 | English 2 | 3 | ENGL102 | |
| COMM | 121 | Fundamentals of Public Speaking | 3 | COMM131 or 132 | |
| BIOL | 121 | General Biology 1 | 4 | BIOL125 & 126 | |
| BIOL | 122 | General Biology 2 | 4 | BIOL111 | |
| BIOL | 286 | General Microbiology | 3 | | |
| CHEM | 121 | General Chemistry 1 | 5 | CHEM131 | |
| CHEM | 122 | General Chemistry 2 | 5 | CHEM132 | |
| CHEM | 321 | Organic Chemistry 1 | 5 | CHEM237 | |
| CHEM | 322 | Organic Chemistry 2 | 5 | CHEM238 | |
| MATH | 220 | Analytic Geometry and Calculus 1 | 5 | MATH167 | |
| MATH | 251 | Statistics for Life Sciences | 3 | | |
| PHYS | 211 | Introductory Physics 1 | 4 | PHYS281 | |
| PHYS | 212 | Introductory Physics 2 | 4 | PHYS282 | |
| PSYC | 150 | Introduction to Psychology | 3 | PSYC281 | |
| | | Social Awareness Elective (second subject area) | 3 | | |
| | | Social Awareness Elective (200+ level) | 3 | | |
| | | Cultural Enrichment Elective | 3 | | |
| | | Cultural Enrichment Elective (global) | 3 | | |
| | | Cultural Enrichment Elective (200+ level) | 3 | | |
| Courses recommended by MCO to be included in the initial 90 minimum credits needed for application: | | | | | |
| CHEM | | Biochemistry (any 300 or higher numbered Biochemistry course) | 4 | | |
| BIOL | 370 | Developmental Biology | 4 | | |
| BIOL | 373 | Cell Biology | 3 | | |
| BIOL | 375 | Principles of Genetics | 3 | | |
| BIOL | 205 | Human Anatomy and Physiology | 5 | | |
| ACCT | 201 | Principles of Accounting 1 | 3 | ACT201 | |
| MGMT | 310 | Small Business Management | 3 | MGMT183 | |
| ENGL | 321 | Advanced Composition | 3 | | |
| Additional Requirements for the B.S. in Applied Biology degree: 121 minimum credits | | | | | |
| | | Application area: Consult faculty advisor for course selection 8 cr. Minimum | 8 | | |
| BIOL | 347 | Environmental Conservation | 3 | | |
| BIOL | 460 | Current Topics in Biology | 2 | | |
| BIOL | | Major electives (total biology major credits must total 36 credit minimum) | 6 | | |
| ISYS | 105 | Microcomputer Applications | 3 | COMG153 | |

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>