PRE-OPTOMETRY

BACHELOR OF SCIENCE IN APPLIED BIOLOGY

FERRIS STATE UNIVERSITY/DELTA 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 DELTA CATALOG COURSE DESCRIPTIONS	FSU S.H.	DELTA Equivalent	GRADE
Major courses specifically required by MCO					
ENGL	150	English 1	3	ENG111	
ENGL	250	English 2	3	ENG112	
COMM	121	Fundamentals of Public Speaking	3	SPH112	
BIOL BIOL	121 122	General Biology 1 General Biology 2	4 4	BIO171+ BIO172	
BIOL	286	General Microbiology	3		
CHEM	121	General Chemistry 1	5	CHM111	
CHEM	122	General Chemistry 2	5	CHM112	
CHEM	321	Organic Chemistry 1	5	CHM210+ CHM210L	
CHEM	322	Organic Chemistry 2	5	CHM220+ CHM220L	
MATH	220	Analytic Geometry and Calculus 1	5	MTH161	
MATH	251	Statistics for Life Sciences	3	MTH208	
PHYS	211	Introductory Physics 1	4	PHY111	
PHYS	212	Introductory Physics 2	4	PHY112	
PSYC	150	Introduction to Psychology	3	PSY211	
		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	BIO152+ BIO153 or BIO240+ BIO241	
ACCT	201	Principles of Accounting 1	3	ACC211	
MGMT	310	Small Business Management	3	MGT131	
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	CST134	

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