

BACHELOR OF ARTS CHEMISTRY

FERRIS STATE UNIVERSITY/ALPENA COMMUNITY COLLEGE TRANSFER PLAN

MAJOR ADVISOR: Dr. Dan Adsmond

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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. Minimum 2.0 CUMULATIVE grade average in all courses.
2. No grade lower than a "C" in course work included in the "major" 15 credits must be FSU credits; 15 credits must be 300/400 level.
3. Must complete an FSU approved academic minor, 50% must be FSU coursework.
4. 120 Minimum semester credits including general education requirements.
5. Residency requirement: 30 minimum FSU semester credits.

REQUIRED	COURSE TITLE – FOR PREREQUISITES, SEE FSU OR ALPENA CATALOG COURSE DESCRIPTIONS	FSU S.H.	ALPENA EQUIVALENT	GRADE
Major: Minimum 47 credits. No grade lower than "C" (2.0) allowed to apply toward this major				
CHEM	121 General Chemistry 1	5	CEM 121	
CHEM	122 General Chemistry 2	5	CEM 122	
CHEM	231 Quantitative Analysis	4	CEM 224	
CHEM	321 Organic Chemistry 1	5	CEM 221	
CHEM	322 Organic Chemistry 2	5	CEM 222	
CHEM	451 Introduction to Physical Chemistry	4		
MATH	220 Analytical Geometry and Calculus 1	5	MTH 131	
Choose one PHYS sequence:	PHYS 211 Introductory Physics 1 and	4	PHY 121+ PHY122	
	PHYS 212 Introductory Physics 2	4		
	OR	5	PHY 221+ PHY 222	
	PHYS 241 General Physics 1 and PHYS 242 General Physics 2	5		
CHEMISTRY MAJOR ELECTIVES: Select a minimum of 6 credits from:				
CHEM	317 Instrument Analysis	3		
CHEM	332 Biochemistry Lab 1	2		
CHEM	333 Biochemistry Lab 2	2		
CHEM	364 Biochemistry	4		
Academic Minor: An academic minor of 18 – 24 credits is required, any approved minor is allowed (except teacher education minors). Students should consult their major advisor if uncertain as to an appropriate minor to select. For graduation, both the academic minor clearance form and this major audit form must be attached to the graduation application.				
Bachelor of Arts Core: 1) Proficiency in a foreign language through the 201 level (third semester), 2) a COMM course not selected from the general education list of COMM courses below.				
COMM				
	Foreign Language 101			
	Foreign Language 102			
	Foreign Language 201			

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>

Remaining General Education Requirements not fulfilled in the major: minimum 30 credits					
ENGL	150	English 1	3	ENG 111 or 121	
ENGL	250	English 2	3	ENG 112 or 122	
Choose 1:		ENGL 311 Advanced Technical Writing	3		
		ENGL 321 Advanced Composition			
		ENGL 323 Proposal Writing			
Choose 1:		COMM 105 Interpersonal Communication	3	SPE 121	
		COMM 121 Fundamentals of Public Speaking		SPE 123	
		COMM 221 Small Group Decision Making			
		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 Elective – to be taken as one of the Cultural Enrichment or Social Awareness courses			
		Global Consciousness Elective – to be taken as one of the Cultural Enrichment or Social Awareness courses			
ELECTIVES to the minimum 120 required for this degree					