

**ASSOCIATE IN
APPLIED SCIENCE
INDUSTRIAL CHEMISTRY TECHNOLOGY**

**FERRIS STATE UNIVERSITY/MUSKEGON COMMUNITY COLLEGE
TRANSFER PLAN**

PROGRAM COORDINATOR: MR. BILL KILLIAN

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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 course work
2. 63 minimum credits including general education requirements
3. Residency requirement: 15 minimum FSU semester credits

REQUIRED PROGRAM		COURSE TITLE – FOR PREREQUISITES, SEE FSU OR MUSKEGON CATALOG COURSE DESCRIPTIONS	FSU S.H.	MUSKEGON Equivalent	GRADE
CHEM	121	General Chemistry 1	5	CHEM101+ CHEM101A	
CHEM	122	General Chemistry 2	5	CHEM102+ CHEM102A	
CHEM	321	Organic Chemistry 1	5	CHEM201E+ CHEM201F	
CHEM	322	Organic Chemistry 2	5	CHEM202F+ CHEM202G	
CHEM	231	Quantitative Analysis	4	CHEM203	
CHEM	317	Instrumental Analysis	3		
CHEM	140	Orientation to Industrial Chemistry Technology	2		
CHEM	145	Safety and the Chemical Laboratory	2		
CHEM	240	Industrial Chemical Calculations	2		
CHEM	245	Chem Manufacturing and Analysis	4		
MATH	120	Trigonometry (minimum)	3	MATH112	
PHYS	211	Introductory Physics 1	4	PHYS201	
PHYS	212	Introductory Physics 2	4	PHYS202	
ISYS	105	Microcomputer Applications	3	CIS115 or CIS101+ CIS115+ CIS297+ CIS119W or CIS101+ CIS115+ CIS119PW	
ENGL	150	English 1	3	ENG101 or BCOM101	
ENGL	250	English 2	3	ENG102 or ENG221	
		SOCIAL AWARENESS ELECTIVE	3		
		CULTURAL ENRICHMENT ELECTIVE	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/Transfer/WebPages/homepage1.cfm>