



**Transfer Guide for  
BAY DE NOC COMMUNITY COLLEGE  
Bachelor of Science Degree  
MATHEMATICS EDUCATION**

**Home Page**

<http://www.ferris.edu/htmls/colleges/educatio/index.cfm>

**Contact****Mary Cline**

Educational Counselor  
604 Bishop Hall  
Ferris State University  
Big Rapids, MI 49307  
[clinema@ferris.edu](mailto:clinema@ferris.edu)

**Phone****1-800-4-FERRIS**

OR

231-591-3646

*This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris. The information on this guide is subject to change; students should contact Ferris to keep informed of changes (see "contact" above). Final responsibility for verifying all transfer information lies with the student.*

**ADMISSION REQUIREMENTS FOR TRANSFER STUDENTS**

Admission to mathematics education requires a minimum 2.00 college grade point average and can be entered any semester. If a student has completed college intermediate algebra and the first two semesters of college English, successfully completing the State Basic Skills Test before entering the program would be advisable [www.mttc.nesinc.com](http://www.mttc.nesinc.com)

For assistance with the admission process, contact your transfer counselor at the community college or the transfer admissions officer at Ferris State University, Shari Chamberlain, at 1-800-4-FERRIS, [chambers@ferris.edu](mailto:chambers@ferris.edu).

**APPLICATION DEADLINE**

Transfer students must be admitted (apply & be accepted) 21 days prior to the first day of the semester they plan to attend.

**TRANSFER PLAN**

Transfer of credit is awarded on a course-by-course basis.

Transferable courses are those with grades of "C" (2.00 on a 4.00 scale) or better.

The following is a list of courses students must complete for the mathematics major. However, secondary education requires a minor as well (an additional 20-27 credits). Please contact the educational counselor for assistance with minor choices. Community college equivalents are listed below and may be taken prior to transferring to Ferris. Blank spaces in the community college column indicate there are no course equivalents available.



**FERRIS STATE UNIVERSITY/BAY DE NOC COMMUNITY COLLEGE  
TRANSFER PLAN  
MATHEMATICS TEACHING MAJOR  
37 Semester Hours**

You can **NOT** have a Mathematics teaching minor with this teaching major.

REQUIRED		COURSE TITLE	BDNCC	FSU S.H.	GRADE
CPSC	130	Programming and Problem Solving		3	
MATH	220	Analytical Geometry and Calculus 1	MATH 141	3	
MATH	230	Analytical Geometry and Calculus 2	MATH 142	5	
MATH	314	Probability		5	
MATH	320	Analytical Geometry and Calculus 3	MATH 243	3	
MATH	322	Linear Algebra	MATH 250	3	
MATH	324	Fundamental Concepts in Mathematics (FSU brings to Grand Rapids)		3	
MATH	325	College Geometry (FSU brings to Grand Rapids)		3	
		TOTAL		28	
<b>RECOMMENDED ELECTIVES - 9 HOURS REQUIRED</b>					
CPSC	200	Object Oriented Programming (C++)		4	
CPSC	326	Computer Graphics		3	
MATH	328	Discrete Structures		3	
MATH	330	Differential Equations	MATH 244	3	
MATH	340	Numerical Analysis		3	
MATH	380	Applied Analysis		3	
MATH	414	Mathematical Statistics 1		3	
MATH	420	Introduction to Abstract Algebra		3	
MATH	430	Advanced Calculus		3	
<b>NOTE: A 2.75 GPA IS REQUIRED IN THE MAJOR/MINOR. NO GRADE LESS THAN A "C".</b>					

Note: Though faculty advisors are responsible for advising students regarding degree requirements, it is the student who is ultimately responsible for choosing the correct courses and for following the correct program.

**IN ADDITION TO AN EDUCATION MAJOR, AN EDUCATION MINOR IS REQUIRED FOR THE COMPLETION OF THE DEGREE. IF YOU HAVE QUESTIONS, PLEASE CONTACT THE EDUCATIONAL COUNSELOR FOR ASSISTANCE. EMAIL: [CLINEMA@FERRIS.EDU](mailto:CLINEMA@FERRIS.EDU) OR TELEPHONE (231) 591-3646 OR 1-800-4-FERRIS EXTENSION 3646.**

**The MACRAO policy may have little or no effect.** BECAUSE MINOR COURSES CAN ALSO FULFILL GENERAL EDUCATION REQUIREMENTS, WHERE APPLICABLE, THE MACRAO MAY NOT HASTEN THE COMPLETION OF THIS PROGRAM.

**FERRIS STATE UNIVERSITY/BAY DE NOC COMMUNITY COLLEGE  
COLLEGE OF EDUCATION AND HUMAN SERVICES  
SECONDARY EDUCATION/PROFESSIONAL SEQUENCE**

Admission to the **Technical** curriculum requires the completion of one of the following:

1. An A.A.S. Degree with at least 40 semester hours in the occupational major and a minimum grade point average of 2.50 in the major courses **OR**
2. Occupational competence documented by the Michigan Occupational Competency Assessment Center (MOCAC)

**NOTE: STUDENTS MUST OBTAIN THE APPROPRIATE GPA FOR THEIR MAJOR/MINOR AS ESTABLISHED BY EACH DEPARTMENT. A 2.75 GPA IS REQUIRED IN THE PROFESSIONAL EDUCATION COURSE SEQUENCE. A 2.50 CUMULATIVE GPA IS ALSO REQUIRED BEFORE STUDENT TEACHING.**

**FIELD EXPERIENCE REQUIREMENT: (for vocational majors only: Technical, Business, Marketing)** Two years of wage earning occupational work experience (within the last six (6) years) required. **Contact the Vocational Authorization Officer immediately.**  
\*Possible options are available if you have at least one-year of experience (check with Vocational Authorization Officer).

REQUIRED		PROFESSIONAL EDUCATION COURSES (40-44 Credit Hours Required)	S.H.	BDNCC	GRADE
<b>Level I Courses</b>					
EDUC	101	Introduction to the Profession of Teaching	1		
EDUC	251	Life Span Human Growth & Development	3	PYSC 220	
EDUC	289	Principles of Teaching & Learning	3		
<i>NOTE: Prior to enrolling in any Level II or Level III course, all students in teacher education programs must pass all sections of the state-mandated Basic Skills Test and complete a level II application.</i>					
<b>Level II Courses</b>					
EDUC	303	School, Work, and Society	3		
EDUC	338	Secondary General Methods I (Application Required)	4		
EDUC	415	Teaching Strategies for Special Education and Diverse Populations (prerequisite: EDUC 338)	3		
EDUC	438	Secondary General Methods II (Application Required)	5		
EDUC	443	Teaching Reading/Secondary Areas	3		
<i>The next course is required for vocational majors only ( Technical, Business, Marketing)</i>					
EDUC	400	Foundations in Career and Technical Education	3		
<b>Level III Courses</b>					
EDUC	491	Secondary Directed Teaching (Application Required)	6-12		
EDUC	499	Professional Seminar	2		
		TOTAL	33-39		

Students are strongly encouraged to meet with their advisor to discuss the appropriate sequence of courses for their program and any conflicts with other courses. No Grade Lower than a C.

**IN ADDITION TO AN EDUCATION MAJOR, AN EDUCATION MINOR IS REQUIRED FOR THE COMPLETION OF THE DEGREE. IF YOU HAVE QUESTIONS, PLEASE CONTACT THE EDUCATIONAL COUNSELOR FOR ASSISTANCE. EMAIL: [CLINEMA@FERRIS.EDU](mailto:CLINEMA@FERRIS.EDU) OR TELEPHONE (231) 591-3646 OR 1-800-4-FERRIS EXTENSION 3646.**

**The MACRAO policy may have little or no effect.** BECAUSE MINOR COURSES CAN ALSO FULFILL GENERAL EDUCATION REQUIREMENTS, WHERE APPLICABLE, THE MACRAO MAY NOT HASTEN THE COMPLETION OF THIS PROGRAM.