

Ferris State University's School of Education offers an exemplary program in Secondary Education designed to provide a balanced blend of theory and practice. Students have the opportunity to obtain Michigan Secondary Provisional Certification by taking classes at Mott Community College and at Ferris State University. Certification will allow an individual to teach sixth through twelfth grade in both their major and minor subject areas. Throughout the program, students will complete at least 600 hours in a variety of hands-on, field-based experiences in the classroom. Our class sizes of 20-25 students guarantee that all students receive the attention they deserve. A background in state-of-the-art educational technology prepares students to integrate computer technology into instruction.

The Secondary Education Program recommends the completion of a secondary education minor giving students a broad academic base in their chosen subject area. The professional education courses include field-based experiences supervised by instructional teams comprised of teacher educators, professors from the content area disciplines, and expert 6-12 teachers.

General Admission Criteria

Students seeking admission to the teacher education program must have at least 30 transferable credits and a minimum 2.50 overall GPA. All transferred courses must be a "C" grade or higher and the following courses must be completed prior to admission: ENGL 150, ENGL 250, COMM 121, and MATH 114, 115 or 117. English majors need a "B" or better in ENGL 150 and ENGL 250. Official transcripts from all accredited colleges/universities must be submitted with the Ferris application. Financial aid is available and may include concurrent enrollment at both institutions.

Teacher Certification Requirements

As required by the State of Michigan to receive teacher certification, all teacher candidates must: (1) meet the MDE (CAEP) cohort requirements, (2) pass the MTTC tests in their subject area majors, and (3) have a 2.50 minimum GPA to receive teacher certification in Michigan. These state requirements are in addition to the FSU graduation requirements of your individual program.

Field Experience, Pre-Teaching

Pre-student teaching field experiences provide an opportunity to experience classroom management, discipline, planning and delivery of content in the classroom setting. EDUC 338 and 438 have pre-teaching field experiences with clock hour requirements.

Student Teaching

Student Teaching is the final activity of the Secondary Education Program (typically 15-16 weeks long). Prior to student teaching all degree program coursework must be completed and all minimum GPA requirements met. Student must successfully complete the Michigan Test for Teacher Certification (MTTC) subject matter exam(s). More information about student teaching can be obtained by contacting the Field Placement Coordinator or the Faculty Advisor.

Additional Requirements

Various policies are in place to ensure the success of our students. All students must meet MDE requirements; currently CAEP, prior to starting their Level II/III courses. Students must submit required paperwork prior to taking any courses with field placements included. Students are required to maintain appropriate GPA in their program and minors to be eligible for student teaching and program completion.

Communication Competency

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
COMM 105 or COMM 121	Interpersonal Communication or Fundamentals of Public Speaking	3	COMM 131 or COMM 140	Fundamentals of Public Speaking or Principles of Interpersonal Communication	3
ENGL 150	English 1	3	ENGL 101 or ENGL 103	English Composition 1 or Composition for Technical Fields 1	3
ENGL 250	English 2	3	ENGL 102	English Composition 2	3
ENGL 321	Advanced Composition	3	No Equivalent	No Equivalent	0

Quantitative Literacy – Choose from below or Any MATH Course Higher Than MATH 114; Consult Advisor for Exceptions, Official Pre-2016 Math SAT Score of 560 or Higher, Official Post-2016 Math SAT Score of 580 or Higher, Official Math ACT Score of 24 or Higher

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
MATH 114 or MATH 115	Quantitative Reasoning for Professionals or Intermediate Algebra	4 or 3	MATH 120 or MATH 123	Intermediate Algebra or Beginning and Intermediate Algebra	4

Natural Sciences Competency - Two courses are required with a minimum of 6 credits: must have at least one lab course.

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Natural Sciences Elective	Met in Major	Varies	Met in Major	Varies

Culture Competency - Three courses are required with a minimum of 9 credits: must be from two different disciplines and have at least one at FSU 200 level or higher course. *The courses depend on the chosen education minor, please see your advisor prior to registering for courses.*

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Culture Electives	9	Varies	Varies	9

Self and Society Competency – Three courses are required with a minimum of 9 credits: must be from two different disciplines, have at least one at FSU 200 level or higher course, and at least one Self and Society Foundation course. *The courses depend on the chosen education minor, please see your advisor prior to registering for courses.*

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Self & Society Electives	9	Varies	Varies	9

Students are encouraged to work with an advisor to select appropriate general education courses or may visit www.ferris.edu/gened.

Diversity Competency – 2 Courses Required

If not met by courses taken for Culture, Self and Society, or MTA, a student must meet the following:

- 1 course with the Global Diversity attribute
- 1 course with the U.S. Diversity attribute

Major Courses – 35 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
CHEM 121	General Chemistry 1	5	CHEM 131 and CHEM 131L and CHEM 131R	General Chemistry 1 and General Chemistry 1 Lab and General Chemistry 1 Recitation	5
CHEM 122	General Chemistry 2	5	CHEM 132 and CHEM 132L and CHEM 132R	General Chemistry 2 and General Chemistry 2 Lab and General Chemistry 2 Recitation	5
CHEM 231	Quantitative Analysis	3	No Equivalent	No Equivalent	0
CHEM 317	Instrumental Analysis	4	No Equivalent	No Equivalent	0
CHEM 321	Organic Chemistry 1	5	CHEM 237	Organic Chemistry 1 and	5
CHEM 322	Organic Chemistry 2	5	CHEM 238	Organic Chemistry 2 and	5
CHEM 364	Biochemistry	4	No Equivalent	No Equivalent	0
CHEM 451	Introduction to Physical Chemistry	4	No Equivalent	No Equivalent	0

Additional Requirements – 12 – 14 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
MATH 220	Analytical Geometry & Calculus 1	4	MATH 170	Analytic Geometry and Calculus	5
PHYS 211 & PHYS 212 or PHYS 241 & PHYS 242	Introductory Physics 1 & Introductory Physics 2 or General Physics 1 & General Physics 2	4 or 5	PHYS 281 and PHYS 282 or PHYS 287 and PHYS 288	General College Physics 1 and General College Physics 2 or General Physics 1 and General Physics 2	8-10

One Secondary Education Subject Area Minor Required. It may not be the same as the Secondary Education Major.

(Requires Declaration) Must be 24 credits or more. The current secondary education minor choices are: Biology, English, Geography, History, Mathematics, Political Science, and Speech Communication.

Secondary Education Professional Sequence – 38 Credits Required

Level 1 Courses – 11 - Credits

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
EDUC 161	Foundations of Education	3	No Equivalent	No Equivalent	0
EDUC 251	Life Span of Human Growth & Development	3	PSYC 291	Psychology of Human Development	4
EDUC 261	Children's Healthy Living	2	No Equivalent	No Equivalent	0
EDUC 289	Principles of Teaching & Learning	3	No Equivalent	No Equivalent	0

Notes: Prior to enrolling in any Level 2 courses, all students must meet the Michigan Department of Education (MDE) requirements, currently Council for the Accreditation of Educator Preparation (CAEP); see advisor for options. Complete all Level 1 courses with a minimum of 2.50 GPA with no grade lower than a C, have a 2.50 cumulative GPA, and complete a Level 2 application. Students may not repeat any education course more than once.

Level 2 Courses- 15 Credits

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
EDUC 338	Secondary General Methods 1	4	No Equivalent	No Equivalent	0
EDUC 415	Teaching Strategies for Special Education & Diverse Population	3	No Equivalent	No Equivalent	0
EDUC 438	Secondary General Methods 2	5	No Equivalent	No Equivalent	0
EDUC 443	Teaching Reading/Secondary Areas	3	No Equivalent	No Equivalent	0

Ferris State University and Mott Community College – Secondary Education - Chemistry Education - Transfer Guide

Effective 2021-2022

Ferris State University is an equal opportunity institution. For information on the University's Policy on Non-Discrimination, visit ferris.edu/non-discrimination.

Notes: Prior to enrolling in Level 3 courses, all students must pass the Michigan test for teacher certification in their subject area. 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. Students may not repeat any education course more than once. These courses are used to calculate the professional sequence 2.75 GPA requirement.

Level 3 – 12 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
EDUC 499	Student Teaching	12	No Equivalent	No Equivalent	0
Total Possible Mott Community College Credits (no more than 90 credits may be transferred to Ferris)					90
Total Possible Ferris State University Credits					56
Total Credits Required for Degree					144 - 146

Program Delivery Locations and Contact Information:

Main Campus, Big Rapids

College of Arts, Sciences and Education

School of Education | (231) 591-3642 | <https://www.ferris.edu/arts-sciences/departments/education/>

Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at an off-campus location).

Steps to Apply

1. Complete a free application at www.ferris.edu/apply.
2. Submit Official transcripts from every school attended to:
 - Ferris State University Admissions Office, 1201 S. State St, CSS 201, Big Rapids, MI 49307
 - Transfer@ferris.edu
3. Submit Test Scores (if required)
 - ACT Scores; go to www.act.org. Ferris State University School Code: 1994
 - SAT, CLEP and AP Scores; go to www.collegeboard.org. Ferris State University School Code: 1222

Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, and have any questions answered prior to completing an application. Students who are completing the MTA may have different general education course requirements for the particular degree selected. Meeting with a Ferris advisor prior to the selection of general education or elective course work may reduce the chance of completing a course that will not apply toward the selected degree. Once admitted, students must continue to meet with an advisor as they work toward graduation.

Transfer Student Orientation

All new students to Ferris State University are required to complete an orientation.

Reverse Transfer Agreement

The Community College and Ferris have entered into a partnership in order to work collaboratively and creatively to increase student completion of associate and bachelor's degrees. The partners work together to provide a seamless transfer experience and increase student retention and completion at both the community college and Ferris.

Michigan Transfer Agreement (MTA)

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

Students must work with their Ferris advisor to declare a Minor or Concentration and for selection of Directed Electives.

Disclaimer

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 their community college or Ferris to keep informed of changes. Final responsibility for verifying all transfer information lies with the student. Please refer to effective and/or revised date on the bottom of this guide and the Ferris Catalog at www.ferris.edu/catalog.

Partners may contact the Transfer Services Center with questions or updates at otssp@ferris.edu.