

The Bachelor of Science in Biology (Forensic Biology) is primarily designed to prepare students for admission into graduate programs in forensic biology or forensic chemistry, as well as entry into the work force. Students in the Forensic Biology program receive extensive training in the collection and analysis of biological evidence, in both laboratory and field settings, and techniques in isolation, purification, and amplification of DNA. Classroom laboratories and field exercises develop skills in documentation, collection and analysis of insects, plants, and other biological evidence associated with an investigation. Students experience the process of determination of the time of death and the ability to answer other forensic questions, as well as skills to identify skeletal remains and evaluate trauma. Graduates with this degree may be eligible for entry-level positions in forensic laboratories, medical examination offices, and law enforcement agencies. It should be stressed, however, that further graduate-level education is often required for students to become employable.

The requirements of the Forensic Biology program are based on the general requirements of the Bachelor of Science in Biology, with specific modifications and additions for forensic biology students. Specific courses such as Forensic Biology, Human Anatomy and Physiology, Microbiology, Genetics, Forensic DNA Analysis, Statistics, Calculus, Inorganic Chemistry, Organic Chemistry, Forensic Chemistry, Biochemistry, Physics, and Criminal Justice are prescribed to fulfill the requirements of the degree and to best prepare students for future work in the field.

General Admission Criteria

To be admitted to this degree program, students must have completed at least 12 credits at the time of application with a minimum 2.5 overall GPA including an English and mathematics course, or they must provide their high school records and ACT /SAT scores for admission review. Official transcripts from all accredited colleges/universities must be submitted with the Ferris application.

Course Requirements

Mid Michigan College			
Course	Ferris Equiv.	Ferris Course Title	Cr. Hrs.
ENG 111	ENGL 150	English 1	3
ENG 222	ENGL 250	English 2	3
SPE 257	COMM 121	Fundamentals of Public Speaking	3
CJS 200	CRIM 110	Introduction to Criminal Justice	3
MAT 126	MATH 220	Analytical Geometry-Calculus 1	4
MAT 212	MATH 251	Statistics for the Life Sciences	3
BIO 101 and BIO 201 and BIO 203**	BIOL 121 and BIOL 122	General Biology 1 and General Biology 2	8
BIO 141 and BIO 142	BIOL 205	Human Anatomy and Physiology	5
BIO 210	BIOL 286	Microbiology	3
CHM 111	CHEM 121	General Chemistry 1	4
CHM 112	CHEM 122	General Chemistry 2	4
CHM 241	CHEM 321	Organic Chemistry 1	5
CHM 242	CHEM 322	Organic Chemistry 2	5
PHY 105	PHYS 211	Introductory Physics 1	4
PHY 106	PHYS 212	Introductory Physics 2	4
Mid Michigan CC	VARIES	FSU General Education - Culture Electives (one must be at FSU 200+ level)	9
Mid Michigan CC	VARIES	FSU General Education – Self and Society Electives (one must be FSU 200+ level) (must come from 2 different subject areas)	9
Total Mid Michigan College Credits			79

**Students must take entire sequence at Community College or take the entire sequence at Ferris State University in order to earn course credit.

Please refer to FSU's General Education Requirements at:
<http://www.ferris.edu/HTMLS/academics/gened/index.htm>.

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 are encouraged to work with their Ferris advisor for selection of any electives, to ensure transferability and to minimize credits taken.

Effective Fall 2017

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

Ferris State University		
Course	Ferris Course Title	Cr. Hrs.
ENGL 311 or ENGL 321 or ENGL 323 or ENGL 325	Advanced Technical Writing or Advanced Composition or Proposal Writing or Advanced Business Writing	3
<i>FSU</i>	Biology Electives (see FSU advisor)	3-6
BIOL 207	Forensic Biology	4
BIOL 375	Principles of Genetics	3
BIOL 346	Ecological Assessment	3
or BIOL 347	or Environmental Conservation	
or BIOL 442	or Ecology	
BIOL 407	Forensic DNA Analysis	3
BIOL 460	Current Topics in Biology	2
CHEM 207	Science and Crime	3
CHEM 324	Fundamentals of Biochemistry	3-4
or CHEM 364	or Biochemistry	
CHEM 231	See FSU advisor	2-4
or CHEM 307 or CHEM 332		
CRIM 301	Investigation Issues	3
Total Ferris Credits		32-38
Credits Required for Degree		121

Program Offered at:
Main Campus, Big Rapids
 College of Arts & Sciences
<http://www.ferris.edu/HTMLS/colleges/>

www.ferris.edu/transfer

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.

Online Learning

Select courses 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). The "Online Readiness Tutorial" is required for students who register for an online *course* or are completing an online *degree*. Students must demonstrate competency in Blackboard skills. This may be done by taking a tutorial and quiz, or, for students who have already taken and passed online courses, they can submit a waiver request. Students should check with the department that offers the class to determine its particular needs and/or the Ferris advisor regarding registration for online course work.

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 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.

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 the effective and/or revised date on the bottom of the guide.