



WESTERN MICHIGAN UNIVERSITY

Henry Ford College

Fall 2016

Western Michigan University Secondary Education - Integrated Science Curriculum Guide

Important Note: This program is only available as a second major, and requires a first major in biology, chemistry, earth science, or physics - secondary education. Courses applied to the first major will be waived from this program.

General Information:

- A Secondary Provisional Certificate is valid for teaching your subject areas (major and minor) in grades 6-12;
- Students must choose at least one teachable major and one teachable minor. For a list of **teachable majors and minors** see the content areas in secondary education on the WMU Secondary Education website;
- Students are encouraged to meet with a WMU education advisor as early as possible prior to transfer for assistance with their choice of majors and minors;
- Course sequencing at WMU in Secondary Education requires at least two years to complete, and a minimum of 60 credits of the overall degree must be completed at WMU;
- Students who choose **Integrated Science Education** as their teaching major will follow requirements in the Geosciences department for their major. General education and teacher preparation requirements are determined by the College of Education and Human Development (**CEHD**);
- All applicants intending to pursue a teaching program at WMU will be admitted into “pre-education” at the time of admission to WMU. After completion of the pre-professional requirements, pre-education students must apply to the upper level as indicated below;
- For students who started at HFC before Fall 2014, and will transfer directly to WMU, **your requirements may be different**. Please check with the CEHD advising office (contact information is listed below);
- At the end of their professional education program, students must complete a minimum of one semester of Internship (Student Teaching).

Pre-Professional Requirements for Secondary Education CAS Majors:

After satisfying the following requirements students should submit the Professional Education Admission application for admission to upper professional level education courses:

- Completion of at least 60 credit hours;
- Completion of all WMU Intellectual Skills Development classes IF REQUIRED (e.g. MATH 1090, LS 1040, ENG 1000);
- Completion of an approved college level writing class with a grade of “C” or better;
- Completion of ES 2000 or an approved course with a grade of CB (2.5) or better;

- Achievement of a cumulative grade point average (GPA) of 3.0 or better; **
- Achievement of passing scores on all three parts of the Michigan Test for Teacher Certification (MTTC), Professional Readiness Exam (PRE) (#96), or passing by an alternate method. Please contact the CEHD advising office if you have questions;
- Completion of a WMU approved background check and submission of any required documentation;
- Submission of a formal application to the Office of Admissions and Advising, Western Michigan University, Kalamazoo, MI 49008-5275;
- Please visit the WMU College of Education website for additional information.

** Any student with a cumulative GPA between 2.75 and 2.99 who has met all of the other requirements may apply for provisional admission to the professional education program. Provisional admission decisions will be made by secondary education faculty and admission is not guaranteed.

Courses that you can take at HFC:

WMU courses

BIOS 1610
 BIOS 1620
 CHEM 1100 and 1110
 CHEM 1120 and 1130
 CHEM 3700 and 3710
 GEOS 1000 or GEOG 1050
 PHYS 1040 and 1030
 PHYS 1130 and 1140
 PHYS 1150 and 1160
 MATH 1180

HFC courses

BIO 152
 BIO 150
 CHEM 131 or 141
 CHEM 142
 CHEM 241 and 243
 GEOG 131
 ASTR 131 and 133
 PHYS 120 or 131
 PHYS 121 or 132
 MATH 175

- The Biology section requires 14 credit hours; Chemistry requires 12; Earth/Space Science requires 23 hours; and Physics requires 10. We have listed only what is available at HFC;
- A minimum of 2.0 (C) is required for all courses.

General education requirements:

- Please refer to the [WMU general education transfer guide](#) and talk with your WMU College of Education and Human Development (CEHD) advisor.

Contact information:

College of Education and Human Development (CEHD)
 wmich.edu/education/advising
 (269) 387-3474

Dr. Duane Hampton - Department of Geosciences
 duane.hampton@wmich.edu
 (269) 387- 5496