



WESTERN MICHIGAN UNIVERSITY

Harper 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 Harper 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. Students from states other than Michigan will have to take the test after they transfer to WMU;
- Completion of a background check through Castle Branch at [portal.castlebranch.com/wc48](http://portal.castlebranch.com/wc48) with Submission of Judgment of Sentence or Register of Action for any convictions, if necessary;
- 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 Harper:**

#### **WMU courses**

PHYS 1040 and 1030  
 BIOS 1600  
 CHEM 1100 and 1110  
 CHEM 1120 and 1130  
 GEOS 1310  
 GEOS 1000 or GEOG 1050  
 PHYS 1130 and 1140  
 PHYS 1150 and 1160  
 MATH 1180

#### **Harper courses**

AST 101  
 BIO 101  
 CHM 121  
 CHM 122  
 GEO 102  
 GEG 111 and 112  
 PHY 121  
 PHY 122  
 MTH 140

- The Biology section requires 14 credit hours altogether; Chemistry requires 12; Earth/Space Science requires 23 hours; and Physics requires 10. We have listed only what is available at COD;
- 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](http://wmich.edu/education/advising)  
 (269) 387-3474

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