



**Grand Rapids Community College**

**2021/22**

## **WMU Curriculum Guide for Freshwater Science and Sustainability**

### **Program description and notes:**

- ❖ The program provides the broad interdisciplinary training that will enable graduates to help solve problems involving the quality, availability, and use of fresh water.
- ❖ The program prepares students for positions in the field such as: watershed managers, freshwater quality analysts, sustainability coordinators, environmental and resource managers, and/or for graduate school.
- ❖ The Freshwater Science and Sustainability program requires 77 credit hours of coursework.
- ❖ All WMU degrees require at least 122 credit hours for graduation, including general education requirements. At least 60 of those credits must come from a four-year institution.
- ❖ No minor is required for the program.
- ❖ There will be a significant fieldwork component to several courses in the program and some summer work may be required for timely completion of program.
- ❖ Given the interdisciplinary nature of the program, it is very important that students work regularly with program advisors (see contact information below).
- ❖ 18 credit hours of approved electives are required. Content-appropriate courses taken at GRCC *could* apply; please see your WMU advisor for possible approval.

### **Courses that may be taken at GRCC:**

<b>WMU Courses</b>	<b>GRCC Equivalent Courses</b>
BIOS 1610	BI 151
BIOS 1620	BI 152 or 154
CHEM 1100 1110	CHM 130 and 131
STAT 3660	MA 215

Students in this program must earn a grade of “C” or better in all courses counted toward their major. Courses that transfer to WMU must also have a minimum of a “C” grade to transfer in.

MA 107 (=MATH 1110 @ WMU) or ALEKS placement of 61 or better will be required to take CHEM 1100|1110 at WMU.

For further information about this program visit the Environmental and Sustainability Studies program website, linked in the WMU website’s “Academics” (undergraduate) directory pages.

**General Education Requirements:**

- ❖ All students graduating from the College of Arts & Sciences must meet the world language proficiency by completing two semesters (6-8 hours) of the same foreign language or American Sign Language or passing WMU's proficiency by exam. Please contact the College of Arts & Sciences Undergraduate Advising Office at (269) 387-4366 with any questions. Neither the MACRAO Agreement nor the MTA satisfy the world language requirement.
  - If the student's first language is not English, then the student is exempt from this requirement. Determination of eligibility for this exemption is based on whether the student was required to take the TOEFL test for admission and can be verified through the WMU departments of Spanish or World Language and Literatures.
- ❖ Students receiving the Michigan Transfer Agreement (MTA) will have only the world language proficiency and two, upper level, WMU Essential Studies courses remaining upon transfer.
- ❖ For those *not* obtaining the MTA, please find information about [WMU Essential Studies \(WES\) requirements](#) on this link.

**Contact information:**

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College of Arts & Sciences  
<https://wmich.edu/arts-sciences/advising>  
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