



Harper College

Fall 2016

Western Michigan University Curriculum Guide for Sustainable Brewing

Program description and notes: the goal of the program is to educate students to be intimately familiar with the technical features of brewing, to appreciate the rich landscape of the industry, and to comprehend and address the environmental challenges faced by the industry in the 21st century.

- The program was launched in a joint effort between WMU and Kalamazoo Valley Community College in the Fall of 2015;
 - KVCC offers the brewing courses at its Kalamazoo campus;
 - Twenty six (26) credits and an externship are offered;
- You will learn the brewing process in a teaching brewery outfitted with the comprehensive functionality of industry equipment and facilities that incorporate sustainable brewing practices;
- This program is the first of its kind in the nation;
- The program includes classroom work that is coupled with hands-on experience in a small-scale teaching brewery going through the process of brewing from “grain to glass”;
- Students seeking only the brewing certificate can complete that as a stand-alone program at KVCC, or they can complete the certificate as part of an associate’s degree designed specifically to transfer into the bachelor of science program at WMU;
- Students can also begin their studies at another community college, college or university, or WMU and complete the KVCC certificate along the way to their bachelor’s program.

Courses that can be completed at Harper:

WMU courses

BUS 1750
ENGL 1050
ENG 1100 or COM 1700
BIOS 1600
CHEM 1100/1110
CHEM 1120/1130
PHYS 1130/1140
PHYS 1150/1160
MATH 1180
PSCI 2000

Harper courses

MGT 111
ENG 101 or 102 or 103
SPE 200
BIO 101
CHM 121
CHM 122
PHY 121
PHY 122
MTH 140
PSC 101

General education requirements:

- Please see the WMU [general education program transfer guide](#) for information about all of the courses that you can take at Harper that will count for requirements at WMU. Some of the courses in this program (i.e. sciences and PSC 101) will fulfill some general education requirements as well as program requirements;
- The SB major is administered through the WMU College of Arts and Sciences (CAS). CAS requires a foreign language of all students that graduate in one of their many majors. You can meet that two-semester requirement in one of three ways:
 - Two years of one high school language, with a B- or better in the last (4th) semester;
 - Two semesters of a college level language;
 - Or through passing a language proficiency test. Please contact the WMU World Languages department for languages other than Spanish, and the Spanish department for that language;
 - 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 Languages and Literatures.

Approved by:

Kevin Knutson - Director of Advising
College of Arts and Sciences (CAS)

Contact information:

wmich.edu/arts-sciences/advising
(269) 387-4366