



WESTERN MICHIGAN UNIVERSITY

Muskegon Community College

Fall 2018

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 the Fall of 2015 as a joint effort between WMU and Kalamazoo Valley Community College;
- The program includes classroom work that is coupled with hands-on experience in a small-scale teaching brewery outfitted with the comprehensive functionality of industry equipment and facilities that incorporate sustainable brewing practices;
- KVCC offers a Sustainable Brewing certificate that transfers to WMU as part of the Bachelors of Science degree;
- Students can transfer just the brewing certificate at KVCC or they can complete the certificate as part of an associate's degree; both options are 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;
- Equivalent brewing coursework at other schools can also be accepted in place of the KVCC certificate on a case-by-case basis.

Courses that can be completed at Muskegon:

WMU courses

BUS 1750
ENGL 1050
ENG 1100 or COM 1700
BIOS 1600
BIOS 1610
BIOS 1620
BIOS 2500
CHEM 1100/1110
CHEM 1120/1130
CHEM 3700/3710
PHYS 1130/1140
PHYS 1150/1160

Muskegon courses

BUS 121
ENG 101 or BCOM 101 or 102
ENG 102 or 205 or COM 202
BIOL 103
No equivalent
BIOL 104
No equivalent
CHEM 101/101A
CHEM 102/102A
No equivalent
PHYS 201
PHYS 202

MATH 1180
PSCI 2000

MATH 112 (MATH 161 or 162A will be accepted)
PSCI 111

General education requirements:

- Please see the WMU [general education program transfer guide](#) for information about all of the courses that you can take at Muskegon that will count for requirements at WMU. Some of the courses in this program (i.e. sciences and PSCI 111) will fulfill some general education requirements as well as program requirements;
- The SB major is administered through the WMU College of Arts & Sciences (CAS). 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 CAS 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.
- The College of Arts & Sciences also requires a critical thinking course, to be chosen from Proficiency 4c. See the general education transfer guide cited above. MACRAO or the MTA will cover this requirement.

Approved by:

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