



**Glen Oaks Community 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 21<sup>st</sup> 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 Glen Oaks:**

#### **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

#### **Glen Oaks courses**

BUS 104  
ENG 121 or 122  
ENG 110 or COM 110  
No equivalent  
BIO 121  
BIO 122  
No equivalent  
CHEM 133  
CHEM 134  
No equivalent  
PHYS 155

PHYS 1150/1160

MATH 1180

PSCI 2000

PHYS 153 and 154

MATH 153

PSI 110

**General education requirements:**

- Please see the WMU [general education program transfer guide](#) for information about all of the courses that you can take at Glen Oaks that will count for requirements at WMU. Some of the courses in this program (i.e. sciences and PSI 110) 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 (4<sup>th</sup>) 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. Neither the MACRAO Agreement nor the Michigan Transfer Agreement 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 Languages and Literatures.

**Approved by:**

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

**Contact information:**

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