



Brewery Operations (BRWO) Curriculum Checklist 20 – 21

Student Name: _____

MSU ID (900#): _____

MSU Denver Graduation Requirements: Students pursuing a degree at MSU Denver must meet the following requirements in addition to program and college requirements.

- 120—total number of credits required to graduate from MSU Denver – General Studies and Major coursework alone may not accomplish this goal and you may need to take additional upper division courses as a part of your General Electives.
- 40—number of upper division credits required – General Studies and Major coursework alone may not accomplish this goal and you may need to take additional upper division courses as a part of your General Electives.
- 64—maximum number of credits that will transfer from a two-year
- 90 – maximum number of credits that will transfer from a four-year institution
- Maintain a 2.5 or higher major GPA
- A grade of "C" or better is required for required courses in this major to count toward the bachelor's degree. Students should note that programs throughout the University may have different minimum passing grade requirements.

Important Notes:

- BRWO majors must declare the Brewery Operations Major
- Transfer work from other institutes may also be accepted for substitution. Connect with advisor once courses are transferred for approval process.
- It is the student's responsibility to make certain that all prerequisites are met or instructor approval is granted for courses that require one or both of these conditions.
- It is the student's responsibility to ensure that all degree requirements are met. The advisor can suggest courses and assist the student in constructing a plan of study, but the student in the end is responsible for assuring all requirements for graduation are complete.

General Studies:

General Studies Category: For most areas – choose any course from the list of approved courses for that category	Required Course	Number of Credits Required
Written Communication		6
Oral Communication		3
Quantitative Literacy (Math)	MTH 1210 – Introduction to Statistics	4
Arts & Humanities	PHI 3360 – Business Ethics	6
Historical		3
Natural & Physical Sciences	BIO 1080 – General Biology 1 BIO 1090 – General Biology 1 Laboratory BIO 1081 – General Biology 2 BIO 1091 – General Biology 2 Laboratory	6
Social & Behavioral Sciences We highly recommend:	ECO 2010 – Principles of Macroeconomics ECO 2020 – Principles of Microeconomics	6
Multicultural (<i>Students may fulfill the multicultural requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.</i>)		0 or 3
Global Diversity (<i>Students may fulfill the global diversity requirement by taking an approved course within one of the following categories: arts and humanities; historical; natural and physical sciences; or social and behavioral sciences.</i>)		0 or 3

Science Courses		15 credit hours
Course Number	Course Title	Number of Credits
BIO 2400	General Microbiology	5
CHE 1100	Principles of Chemistry	4
CHE 1150	Principles of Chemistry Laboratory	1
CHE 2100	Introduction to Organic & Biological Chemistry	4
CHE 2150	Introduction to Organic & Biological Chemistry Laboratory	1

Major Core Courses		36 credit hours
Course Number	Course Title	Number of Credits
ACC 3120	Financial Leadership for Hospitality	3
BVG 2350	Brewery Mechanics	3
BVG 3010	Beers of the World	3
BVG 3350	Brewery Operations	3
BVG 3750	Alcohol Beverage Law	3
BVG 3810	Sensory Quality Analysis of Beer	3
BVG 4000	Applied Brewing Operations (Senior Experience)	3
BVG 4010	Beer Styles & Service	3
BVG 4350	Brewing Science	3
BVG 4810	Brewing Quality Analysis	3
HLDL 4000	Cost Control for Hospitality & Tourism	3

Major Electives (Select Three Courses)		9 credit hours
Course Number	Course Title	Number of Credits
BVG 3220	Beer & Food	3
BVG 3500	Bar & Beverage Operations	3
BVG 3683	Beer & Spirits	3
BVG 3950	Beverage Promotion	3
HLDL 0370	Study Abroad in Hospitality (<i>requires concurrent enrollment with for-credit course</i>)	0
HLDL 3200	Talent Leadership	3
HLDL 3400	Facilities Operations	3
HLDL 3600	Organizational Leadership for Hospitality	3
HLDL 3980	Internship in Hospitality	3
HLDL 4400	Strategic Management for Hospitality	3

General Elective Credits (19 – 22 credit hours)

Total Credits:

- General Studies 36 – 39 credits hours
- Major Course Requirements 60 credit hours
- Minor or Electives 19 – 22 credit hours

Total Credits for Graduation 120 credit hours