

The 15-credit hour Brewing Science Minor will provide undergraduates an understanding of the biological and chemical principles of brewing as it follows the process from “malting grains to a pint” and how to maintain consistent quality in the brews. The minor is targeted for those students interested in working in the brewing industry or the homebrewer that wants to improve their skills.

All students must take the four (4) required core courses and then select courses from the list of elective courses to meet the fifteen (15) credit hour requirement.

Prerequisites: BIOLOGY 1113 and CHEM 1110 or 1210

Required Courses (4 courses; 10 credit hours):

		Credit Hours
FDSCTE 2410	Brewing Science	2
MICROBIOL 2100	Wild Yeast: Isolation to Fermentation	3
FDSCTE 5330	Food Plant Management	2
FDSCTE 5750	Brewing Capstone	3

Elective (choose 2 courses; at least 5 hours):

FDSCTE 5500	Measurement of Food Perception and Liking	3
FDSCTE 5430	Food Fermentation	3
FDSCTE 4410	Hazard Analysis and Critical Control Points (HACCP)	2
FDSCTE 5320	Food Laws and Regulations	2
FDSCTE 4597.01	Alcohol and Society	3
FABE 3510	Introduction to Biological Engineering	4
ENR 3280	Water Quality Management	3
BUSMHR 3510	New Venture Creation	3
BUSML 3250	Principles of Marketing	3

Restrictions and General Information

1. A minor should be declared by the time a student accumulates 60 hours.
2. A minimum 2.00 cumulative point-hour ratio is required in the minor course work; and a minimum grade of a C- is required for each course used to complete the minor.
3. A student is permitted to overlap up to 6 credit hours between the GE and the minor.
4. The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e., if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).
5. The minor must include at least 6 hours of upper-level or upper-division course work (3000 or above).
6. Course work graded Pass/Non-Pass cannot count in the minor, and no more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor.
7. No more than 3 credit hours of xx93 may count toward the minor.
8. A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.