FERMENTATION SCIENCE PROGRAMS

FERMENTATION SCIENCE - BREWING & DISTILLING

Associate of Applied Science

66 credit hours*

The Associate of Applied Science in Brewing & Distilling is designed with a specific focus on workforce pre-apprenticeship and apprenticeship training to provide students with the skills necessary to pursue a career in the industry. Upon completion of the degree students will have:

- An expert understanding of sanitary methods.
- The ability to apply workplace safety up to industry standards.
- Be able to demonstrate proper forklift operation and safety standards.
- An understanding of biological and chemical scientific aspects of fermentation.
- Be able to demonstrate the ability to communicate with others through spoken, written and electronic forms.
- Discipline specific knowledge of the skills and competencies needed in brewing.
  Examples include: knowledge of selection of ingredients, management of wort production, pitching yeast, and filtration.
- Discipline specific knowledge of the skills and competencies needed in distilling.
  Examples include: Quality Assurance, Harvesting decisions, Yeast and nutrient selection, Pitching yeast, filtration.

**Additional hours may be required for program requirements for transfer students who are NMGEC complete.*

Any student who is ineligible for state, national, or industry licensure or certification is ineligible for entry into this program.

Institutional and Related Requirements – 10 hours

ENGL 1110 – Composition I (3)
FYEX 1110 – First-Year Seminar (3)
MATH 1216 – Preparatory Algebra (4)

Note: If institutional/related requirements are waived, additional elective courses will be needed to meet the minimum hours required for the degree.

Program Requirements – 42 hours

ACCT 1110 – Business Application in Accounting (3)
BDAS 1110 – Brewing 1 (3)
BDAS 1120 – Brewing 2 (3)
BDAS 1130 – Distilling 1 (3)
BDAS 1140 – Distilling 2 (3)
COMM 1130 – Public Speaking (3)*
FSTE 1110 – Fermentation 1 (3)
FSTE 1120 – Fermentation Equipment & Mechanics (2)
HTCA 260 – Sanitation & Safety (3)
HRTM 105 – Liquor Law/Server Training (1)
HRTM 170 – Beverage Analysis 1 (3)
HRTM 175 – Beverage Analysis 2 (3)
HIST 1310 – History of Alcohol (3)
MATH 1130 – Survey of Math (4)
OSH 1111 – Work Place Safety (1)
OSH 1112 – Forklift Operation and Safety (1)

** May be used to satisfy NMGEC Communication requirement*

New Mexico General Education Curriculum (NMGEC) – 15-16 hours (as itemized below)

Communications – 3 hours

ENGL 1120, 2210; and COMM 1130, 2120, 2150.

Mathematics – 4 hours

MATH 1130, 1220, 1230, 1510, 1520.

Science – 4 hours

Choose one from* ANTH 1120C; BIOL 1110/L, 1133C, 1215/L, 2110/L, 2210/L, 2310/L, 2610/L; CHEM 1215/L, 1225/L; GEOL 1120/L.

**see course description for Math prerequisite*

Social and Behavioral Sciences – 3 hours

CJUS 1110, 2140, 2360; ECON 1110, 2110, 2120; GEOG 1130; POLS 1120; PSYC 1110, 2110, 2120, 2130, 2140, 2260; SOCI 1110, 2310.

Flexible Three – 3 hours

Choose one course from:
Any course from the NMGEC and/or BUSA 1110

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