

# CONSTRUCTION & MANUFACTURING

## BREWING & BEER STEWARD TECHNOLOGY

**Delivery:** Daytime Saturdays  
**Start:** Fall Semester, Full-Time

**AWARDS**

Brewing & Beer Steward Technology Certificate . . . . . 21 cr.

**MAJOR DESCRIPTION**

This interdisciplinary program is designed to prepare students for brewing beer, cellar operations, and other professional positions in the commercial brewery or brewpub industry. The program is also designed to provide the knowledge for those interested in the position of beer steward. The program is intended to provide an overview of all aspects of brewing, technical skills and knowledge to select raw materials, production, process management, beer care, beer service, and beer styles using food pairings. In addition, the program is designed to provide operations management, marketing and distribution, and financial management for breweries. Overall, the program will provide students with a solid understanding of brewing science, engineering, management, and service.

**WORK ENVIRONMENT**

Brewing and Beer Steward graduates will set up, operate, and tend brewing equipment; control, adjust, and regulate conditions such as material flow, temperature, and pressure. They will also validate the qualities such as clarity, cleanness, consistency, and maintaining logs on instrument readings and test results and the cleaning and sterilizing of brewery equipment.

**POTENTIAL JOB TITLES**

- Brewer/Cellar Operator
- Brewing/Blender Operator
- Brewery Maintenance Technician
- Cellar Worker
- Plant Operator
- Technical Brewer
- Lead Brewer
- Shift/Assistant Brewer
- Quality Control/Lab Technician
- Packaging Operator

**SALARY DATA**

See latest data at [careerwise.minnstate.edu](http://careerwise.minnstate.edu).

- Average Wage: \$20.17/hour

**BREWING & BEER STEWARD TECHNOLOGY CERTIFICATE**

*This is a suggested sample course sequence.  
 Please contact your program advisor regarding your academic plans.*

<b>First Year - Fall Semester</b>	<b>10 cr</b>
BREW1000 Introduction to Brewing & Beer Steward Technology . . . . .	2
BREW1100 Science of Brewing & Fermentation . . . . .	4
BREW1200 Raw Materials & Brewing Process . . . . .	4
<b>First Year - Spring Semester</b>	<b>11 cr</b>
BREW1300 Beer Production & Quality Control . . . . .	4
BREW1400 Packaging & Process Technology . . . . .	3
BREW2970 Internship. . . . .	4
<b>TOTAL PROGRAM CREDITS 21</b>	



**DAKOTA COUNTY**  
**TECHNICAL COLLEGE**

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*This information is available in an alternate format by calling 651-423-8469 or TTY/Minnesota Relay at 1-800-627-3529.*