



# Assessment Report

## PART 1: CONTACT & PROGRAM IDENTIFICATION

Report Year and Contact Information:					
<u>2019-2020</u>	<u>Nicholas Jones</u>	<u>njones37@cnm.edu</u>			
<b>Academic Year</b>	<b>Contact Person</b>	<b>Email</b>			

  

<b>Name of Program:</b>	<b>Courses:</b>				
Brewing Technology Certificate	BEV 1100	BEV 1110	BEV 1130	BEV 1140	BEV 1192

## PART 2: PROGRAM SUMMARY

<b>Provide a high-level review of the program to include highlights, successes, challenges, significant changes, and significant resources needed to support the program.</b>
<p>The BEV program has worked hard to procure additional laboratory equipment to better prepare our students for industry, including a keg washer, hop pelletizer, dissolved oxygen meter, alcolyzer, and numerous other pieces of laboratory equipment. Graduates continue to succeed in the Industry, and many graduates who have been working in the industry have moved into managerial roles as well as recent graduates entering the Industry through entry-level positions. One challenge remains a lack of true commercial-scale brewing equipment, but this challenge is currently being addressed through the construction of a new brewing lab.</p>

**Part 3: DATA REVIEW**

<b>Program Data</b> <b>(Each Review Year is defined as Summer, Fall, and Spring terms)</b>	<b>Review Year</b> <b>19-20</b>	<b>Review Year</b> <b>18-19</b>	<b>Review Year</b> <b>17-18</b>
Annual number of graduate awards is greater than 10	11	10	9
Number of declared majors	25	26	24
Average class size	12	12	12
Annual Average class retention rate is 70% or above (SAGE 65%)	92%	93%	95%
Annual C-Pass rate for coursework is 60% or above	76%	88%	82%
Average class fill rate at 60% or above capacity within a term or over a year	70%	64%	65%
Transfer numbers/percent	NA	0 (0%)	1 (11%)
Full-time to part-time faculty ratio	11: 5	9: 6	6: 9

**Summarize how your program met or did not meet the target measures based on the data above.**

All targets met.

**Part 4: PROGRAM LEARNING OUTCOME ANALYSIS.**

Learning Outcome	Population or Course(s) Assessed	Assessment Methods	Summary of Assessment Results
Analyze and control beverages for quality	BEV 1100, BEV 1110, BEV 1130, BEV 1140, BEV 1192	Final Exam, Test or quiz, and Certification exam.	<p>36 students took CBS exam. 31 earned their certificate. 5 did not earn their certificate. This is a success rate of 86%.</p> <p>29 students attempted to earn at least 80% of their BA Safety Certifications. 28 earned at least 80% of their BA Safety Certificates. 1 did not earn at least 80% of their BA Safety Certificates. This is a success rate of 97%.</p>

Learning Outcome	Population or Course(s) Assessed	Assessment Methods	Summary of Assessment Results
<p>Demonstrate competency in brewing science and brewhouse operations</p>	<p>BEV 1110, BEV 1130, BEV 1140</p>	<p>Final Exam, Test or quiz, and Certification exam.</p>	<p>36 students took CBS exam. 31 earned their certificate. 5 did not earn their certificate. This is a success rate of 86%.</p> <p>29 students attempted to earn at least 80% of their BA Safety Certifications. 28 earned at least 80% of their BA Safety Certificates. 1 did not earn at least 80% of their BA Safety Certificates. This is a success rate of 97%.</p>

Learning Outcome	Population or Course(s) Assessed	Assessment Methods	Summary of Assessment Results
<p>Demonstrate competency in brewing science and brewhouse operations, Analyze and control beverages for quality, demonstrate knowledge of best practices in brewing and beverage industry, Demonstrate competency in draught system design and maintenance.</p>	<p>BEV 1100</p>	<p>Final Exam, Test or quiz, and Certification exam.</p>	<p>36 students took CBS exam. 31 earned their certificate. 5 did not earn their certificate. This is a success rate of 86%.</p> <p>29 students attempted to earn at least 80% of their BA Safety Certifications. 28 earned at least 80% of their BA Safety Certificates. 1 did not earn at least 80% of their BA Safety Certificates. This is a success rate of 97%.</p>

Learning Outcome	Population or Course(s) Assessed	Assessment Methods	Summary of Assessment Results
<p>Demonstrate competency in draught system design and maintenance</p>	<p>BEV 1192</p>	<p>Final Exam, Test or quiz, and Certification exam.</p>	<p>36 students took CBS exam. 31 earned their certificate. 5 did not earn their certificate. This is a success rate of 86%.</p> <p>29 students attempted to earn at least 80% of their BA Safety Certifications. 28 earned at least 80% of their BA Safety Certificates. 1 did not earn at least 80% of their BA Safety Certificates. This is a success rate of 97%.</p>

Learning Outcome	Population or Course(s) Assessed	Assessment Methods	Summary of Assessment Results
<p>Demonstrate knowledge of best practices in brewing and beverage industry</p>	<p>BEV 1100, BEV 1110, BEV 1130, BEV 1140, BEV 1192</p>	<p>Final Exam, Test or quiz, and Certification exam.</p>	<p>36 students took CBS exam. 31 earned their certificate. 5 did not earn their certificate. This is a success rate of 86%.</p> <p>29 students attempted to earn at least 80% of their BA Safety Certifications. 28 earned at least 80% of their BA Safety Certificates. 1 did not earn at least 80% of their BA Safety Certificates. This is a success rate of 97%.</p>

Learning Outcome	Population or Course(s) Assessed	Assessment Methods	Summary of Assessment Results
<p>Demonstrate knowledge of best practices in brewing and beverage industry</p>	<p>BEV 1110</p>	<p>Final Exam, Test or quiz, and Certification exam.</p>	<p>36 students took CBS exam. 31 earned their certificate. 5 did not earn their certificate. This is a success rate of 86%.</p> <p>29 students attempted to earn at least 80% of their BA Safety Certifications. 28 earned at least 80% of their BA Safety Certificates. 1 did not earn at least 80% of their BA Safety Certificates. This is a success rate of 97%.</p>



Learning Outcome	Population or Course(s) Assessed	Assessment Methods	Summary of Assessment Results
Design, formulate, and create beverage products	BEV 1130, BEV 1140	Final Exam, Test or quiz, and Certification exam.	<p>36 students took CBS exam. 31 earned their certificate. 5 did not earn their certificate. This is a success rate of 86%.</p> <p>29 students attempted to earn at least 80% of their BA Safety Certifications. 28 earned at least 80% of their BA Safety Certificates. 1 did not earn at least 80% of their BA Safety Certificates. This is a success rate of 97%.</p>

Interpretation of Assessment findings
All targets met

**Part 6: ADDITIONAL ACTION PLAN IN SUPPORT OF STUDENT LEARNING (IF APPROPRIATE)**

Upcoming year	Changes planned for the upcoming year	Data motivating this change
2020-2021	Keep up the good work	All targets met
2020-2021		
2020-2021		

**Please Select all the following that characterize the types of changes described in the above action plan:**

- Assessment criteria revision
- Assessment methodology revision
- Assignment revision
- Budgetary reallocation
- Change in teaching approach
- Course content revision
- Curricular Revision
- Faculty training/development
- Process revision

**Part 6: COMMENTS**

<b>Use this section to record any comments, notes, or questions from individuals who reviewed this report.</b>
<b>School Dean:</b>
<b>SAAC Representative:</b>