

Brewing Science and Operations — Graduate Certificate, MS

The School of Hospitality Management offers the MS in brewing science and operations and a graduate certificate in brewing sciences. Individual program requirements are listed below.

Brewing Science and Operations — MS

The Master of Science (MS) degree in Brewing Science and Operations is designed to provide advanced education for those interested in entering or further developing their career in the craft brewing industry. The MS degree will be non-thesis and delivered entirely online, requiring a minimum of 33 semester hours to complete the degree. The non-thesis track is designed mainly for individuals interested in combining current work life with the need for educational advancement. While there will be an element of primary research attached to the completion of their non-thesis project, the project will primarily relate to some element of the student's current or intended business environment. The program will offer a blend of theoretical and applied courses created to keep students abreast of current management thinking and practice in this emerging field. Particular emphasis is placed on the concepts of good and progressive science, workplace health and safety, effective and sustainable operations, brewing industry supply chains, laws and regulations pertaining to the craft beer industry, and business planning and informed decision-making.

The program will consist of 33 credit hours to be taken across 11 x 3 credit hour classes and will build upon the current Graduate Certificate program in Brewing Sciences. These include:

Code	Title	Hours
HOSP 7100	The Business of Brewing	3
HOSP 7110	Brewing Materials	3
HOSP 7120	Science of Brewing I	3
HOSP 7130	Science of Brewing II	3
HOSP 7140	Facilities and Operations	3
HOSP 7150	Brewing Microbiology	3
HOSP 7160	Applied Engineering in Brewing	3
HOSP 7170	Beer Distribution Systems	3
HOSP 7180	Quality Management and Brewing Analytics	3
HOSP 7910	Practicum in Brewing Science	3
HOSP 7980	Non-Thesis Research	3
Total Hours		33

Brewing Sciences — Graduate Certificate

Code	Title	Hours
HOSP 7100	The Business of Brewing	3
HOSP 7110	Brewing Materials	3
HOSP 7120	Science of Brewing I	3
HOSP 7130	Science of Brewing II	3
HOSP 7140	Facilities and Operations	3
HOSP 7910	Practicum in Brewing Science	3
Total Hours		18