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Become an expert in brewing science.

University of the Sciences

Brewing Science Certificate Program

America's beer industry is growing steadily, with no signs of slowing down. There are over 3,000 breweries operating in the U.S., with more than 150 in the Philadelphia area alone. The demand for formally trained, skilled brewmasters has never been greater. It's the perfect time to turn your passion for brewing into a rewarding career at University of the Sciences.

We're uniquely positioned to offer the mid-Atlantic region's first Brewing Science Certificate—and with it a direct pathway to employment and career advancement. USciences teaches you every facet of the brewing process, from raw materials and malting through packaging. You'll sharpen critical thinking and problem-solving skills and bring classroom lessons to life in our own state-of-the-art pilot brewing lab.



Coursework

Our post-baccalaureate, 18-credit graduate certificate program thoroughly explores the biology, chemistry, physics, and math of creating the perfect pint of beer. With evening classes on campus, you can fit the program into your busy schedule and complete it full time in a year and a half or part time in two years.

Expert USciences faculty and local brewers team up to introduce you to the fundamentals of brewing as well as the more complex engineering, microbiology, and zymurgy involved. Finish your studies with a full-time internship at a functioning brewery, microbrewery, brewpub, brewing materials analytical lab, or other related workplace.

Our curriculum includes:

- Fundamentals of Brewing Science
- Brewery Engineering
- Quality Control Lab
- Microbiology of Beer
- Current Topics in Zymurgy
- Project in Brewing Science
- Internship

Career Paths

We designed our Brewing Science Certificate to help you enter or advance in any number of brewing industry careers. We have engaged in formal partnerships with top local breweries to ensure you benefit from the expertise of artisans and learn the skills today's employers need most.

Experienced brewmasters and managers advise our curriculum and play an active role in labs and classroom teaching. You'll learn from them while forming valuable professional connections to support your career development.

Learn more at
uscience.edu/BrewingScience

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Arts and Sciences


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