

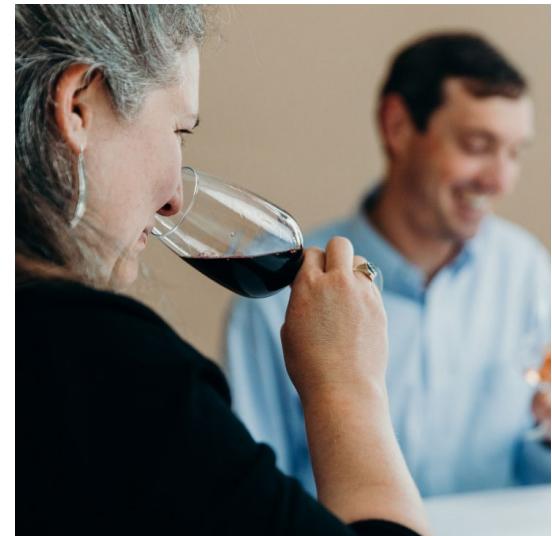
Enology Focus Area

The enology focus area emphasizes the scientific theory and practical knowledge necessary for understanding both day-to-day aspects of wine production and the greater global wine industry.

One-year, STEM-designated, course-based master's degree program

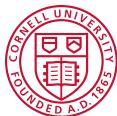
Offered by Cornell University's #1 nationally ranked Food Science and Technology program, the MFS graduate degree program offers customized coursework and experiential projects to advance technical knowledge and career potential in the Enology Industry.

The 30-credit master's degree program can be completed in as little as two semesters of full-time study and prepares individuals for the contemporary workplace through knowledge development, refinement of analytical tools, and advanced training in the latest theory and methodology related to Enology. This master's degree program broadens expertise and expands professional versatility to produce the next generation of innovative leaders innovative leaders in the Enology Industry or related fields.



Anna Katherine Mansfield, Associate Professor of Enology, and Chris Gerling, Senior Extension Associate, evaluating wine aromatics

#1 Ranked Food Science and Technology Program	Flexible, Interdisciplinary Program	Dedicated Career Support
<p>Internationally recognized faculty with global reach expertise in all facets of food science.</p> <p>Excellent selection of courses in basic and applied sciences.</p> <p>Modern, well-equipped research laboratories and pilot plant facilities.</p> <p>Established relationships with major national food companies.</p>	<p>Students work with world-renowned faculty and dedicated program staff to develop an individualized course of study based on their area of interest.</p> <p>The majority of courses (20 credits) will be within CALS; however, students have the opportunity to take courses across a range of fields of study at Cornell.</p> <p>With the guidance of a faculty advisor, students work on solving a real-world problem, gaining valuable insights and skills for career next steps.</p>	<p>Network of supportive Cornell alumni and professionals, such as the Food Science Advisory Council.</p> <p>Information sessions and networking events with food industry employers.</p> <p>Assistance with interview skills, résumé writing, and identifying career opportunities through CALS Career Services.</p>



Admissions Requirements

Careers

Bachelor's degree in scientific field, such as microbiology, chemistry, biology

For non-science background, at least 15 credits of introductory college-level science courses, including general chemistry, organic chemistry, general biology, and corresponding labs.

GRE

TOEFL/IELTS for international applicants

Prior wine industry experience is highly recommended

Additional requirements and application can be found at: gradschool.cornell.edu

MFS graduates develop in-demand skills that are valued across multiple career paths and sectors. Alumni are hired by a range of employers, including:

Dr. Konstantin Frank Winery
Dalla Valle Vineyards, France
E & J Gallo Winery
Enartis, Australia
Scheid Family Wines

Alumni Spotlight



Danielle Noce, MFS '17,
Vintage Cellar Hand

The wine industry demands a lot of its professionals. An understanding of agriculture, soil science, climatology, biochemistry, and food science are critical for production but marketing, finance, and consumer insights are equally as important for a winemaker who must also distribute and get the wine into the hands of consumers. Every winemaker I have encountered wears many hats, and the flexibility of the MFS degree program allows me to leverage other resources at Cornell including the Business and Hotel Administration schools to fill those knowledge gaps. The MFS program gave me self-confidence in my ability to take risks and challenge myself to cultivate the career of my dreams.

Enology

This area of study address traditional and modern approaches to grape growing, winemaking and wine analysis. Students take courses covering the many factors that contribute to each wine's specific taste and aroma, including climate, horticulture, fermentation and the yeast cultures that transform grape sugars into alcohol. Working with enology and viticulture faculty, MFS student pursue an individual project in wine chemistry, production methods, sensory evaluation, wine marketing or other related topics. Because of the multidisciplinary nature of enology, this concentration is suitable for students interested in careers in academia, industry and government in areas related to enology as well as in any areas related to food and industrial fermentations.

Sample Curriculum

COURSE	TITLE
FDSC 5100	Sensory Evaluation of Food
VIEN 5204	Principles and Practices of Growing Grapes and Making Wine
VIEN 5205	Growing Grapes and Making Wines Graduate Laboratory
VIEN 5400	Wine and Grapes: Composition and Analysis
FDSC 6000	Seminar in Food Science
FDSC 6010	Food Science and Technology Graduate Boot Camp
ALS 5900	Project Development

COURSE	TITLE
VIEN 6700	Advanced Winemaking Theory and Practice II
VIEN 6710	Winemaking Theory and Practice II Laboratory
VIEN 5300	The Science of Grapevines
VIEN 5400	Wine and Grapes: Composition and Analysis
FDSC 6000	Seminar in Food Science
VIEN 6400	Wine and Grape Flavor Chemistry
FDSC 6950	Current Readings in Food Science
ALS 5900	Project Development
ALS 5910	Project Completion