

California State University, Fresno
Department of Viticulture & Enology

B.S. Degree in Enology
2025 Program Planning Guide

Fall 1

ENGL 10 (1A)	3__
COMM 3, 7 or 8 (1C)	3__
GE: Arts (3A)	3__
MATH 11 (Area 2)	3__
AUGR Req.	3__
	15 units

Note:

- Complete your My Degree Plan

Spring 1

CHEM 3A (5A)	4__
GE Critical Thinking (1B)	3__
GE Humanities (3B)	3__
AGBS 1 (4B)	3__
ENOL 15	3__
	16 units

Note:

- Complete all Foundation GE by the end of the freshman year, with all grades C or better.
- Complete 2nd Semester Freshman Advising Requirement

Fall 2

BIOL 11 (5B/C)	3__
VIT 100 or PLANT 99	3__
CHEM 8 or 3B	3__
PLSI 2 requirement	3__
Elective	3__
	15 units

Note:

- Start developing professional resume
- Attend career fairs and seek internship/industry experience opportunities

Spring 2

ENOL 199	1__
GE (Area 6)	3__
ENOL 45	3__
ENOL 168 or CHEM 150	3__
VIT 15	3__
	13 units

Note:

- Attend career fairs and seek internship/industry experience opportunities
- Complete 8 Lower Division GE Portfolio Assignments + 2 reflections

Fall 3

ENOL 163	3__
ENOL 105	3__
ENOL 173	3__
GE UD Area 4	3__
GE History (4A)	3__
	15 units

Note:

- Attend career fairs and seek internship/industry experience opportunities
- Complete Mandatory Advising requirement

Spring 3

ENOL 110	3__
ENOL 140	2__
ENOL 151	2__
ENOL 170 (W)	3__
ENOL 175	3__
GE UD Area 2/5	3__
	16 units

Note:

- Fulfill Upper Division Writing Requirement – ENOL 170 W required for Enology majors
- ENOL 170 W double count for major and UD W requirement
- Attend career fairs and seek internship/industry experience opportunities

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Fall 4

ENOL 194I	4	_____
Elective	3	_____
ENOL 115	4	_____
ENOL 164	4	_____
	15	units

Spring 4

ENOL 166	3	_____
ENOL 125	4	_____
GE UD Area 3	3	_____
Elective	3	_____
Elective*	3	_____
	16	units

Note:

- Verify all graduation requirements will be met by end of spring semester

Note:

- Apply for graduation (See University Calendar of for Due Date)
- Complete UD GE portfolio assignments + reflection
- *Additional electives may be needed to fulfill the minimum 120-unit requirement

California State University Fresno
Department of Viticulture and Enology
Enology Major
Active starting Fall 2025

Specific Course Requirements			
Major Requirements (60 units)	Course name	Units	Prerequisites
CHEM 8 or 3B	Organic Chemistry	3	CHEM 3A or 1B
VIT 15	Introduction to Viticulture	3	or Equivalent
VIT 100 or PLANT 99	Viticulture & Enology Research Methods	3	MATH 11 or 11L
ENOL 15	Introduction to Enology	3	or Equivalent
ENOL 45	Wine Evaluation Techniques	3	or Equivalent
ENOL 105	Advanced Sensory Evaluation of Wines	3	ENOL 45, 110
ENOL 110	Grape and Wine Chemistry	3	ENOL 168 or CHEM 150
ENOL 115	Analytical Methods for Wine	4	ENOL 110, 164 (corequisite)
ENOL 125	Wine Microbiology	4	ENOL 15, 110, 168 or CHEM 150
ENOL 140	Regulations: Wine and Brandy	2	ENOL 15
ENOL 151	Winery Equipment	2	ENOL 15
ENOL 163	Fermentation	3	ENOL 15 (can be taken concurrently)
ENOL 164	Wine Analysis and Production	4	ENOL 115 (corequisite), 110, 151, 163
ENOL 166	Cellar Operations	3	ENOL 115, 164
ENOL 168 or CHEM 150	Intro to Vine, Grape and Yeast Biochem	3	CHEM8 or 3B
ENOL 170 (W)	Wine Business	3	AGBS 1
ENOL 173	Wine Marketing	3	ENOL 45
ENOL 175	Winery Management	3	ENOL 15
ENOL 194I	Wine Industry Internship	4	
ENOL 199	Undergraduate Seminar	1	

Additional Requirements (13 units)	Course name	Units	Notes
MATH 11 or 11L (GE area 2)	Elementary Statistics	3	or Equivalent
AGBS 1 (GE area 4B)	Agricultural Economics	3	or Equivalent
CHEM 3A (GE area 5A)	General Chemistry	4	or CHEM 1A and 1B
BIOL 11 (GE areas 5B/C)	Plant Biology	3	or Equivalent

University requirements	Course name	Units	Notes
AUGR requirement	A/H or L/S or M/I	3	
PLSI 2	US & California Government	3	

Electives (8 units)	Course name	Units	Notes
BIOL 161	Plant Physiology	4	or PLANT 100 (3 units)
ENOL 190	Independent Study	1,2,3	Up to 6 units
PLANT 110W	Dimensions in Agriculture	3	Double counts as elective & W course
PLANT 172	Soils	3	CHEM 3A
PLANT 172L	Soils Lab	1	PLANT 172 or concurrent
VIT 101	General Viticulture I	3	BIOL 11
VIT 102	General Viticulture II	3	BIOL 11
VIT 106	Winegrape Production	2	VIT 101 & 102
VIT 165	Ampelography and Grape Genetics	3	VIT 101 & 102
VIT 167	Vineyard Ecology and Organic Production	3	BIOL 11 or equivalent
IT 118	Production Operations	3	

Notes:

Choose electives in consultation with a Department advisor

Note that some courses are only offered once a year

Additional requirements double count for GE and major

Electives may have additional prerequisites

Use this in combination with the program roadmap and GE requirements

Additional electives might be needed to fulfill the 120-unit minimum