

California State University, Fresno
Department of Viticulture & Enology

B.S. Degree in Viticulture
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

BIOL 11 (5B/C)	3__
GE Critical Thinking (1B)	3__
GE Humanities (3B)	3__
MEAG 3, 20 or 120	3__
VIT 15	3__
	15 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

CHEM 3A (5A)	4__
GE History (4A)	3__
VIT 100 or PLANT 99	3__
AGBS 1 (4B)	3__
PLSI 2 requirement	3__
	16 units

Note:

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

Spring 2

ENOL 15	3__
GE (Area 6)	3__
CHEM 8 or 3B	3__
VIT 102	3__
VIT 199	1__
Elective	3__
	16 units

Note:

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

Fall 3

VIT 101	3__
PLANT 172	3__
PLANT 162	3__
PLANT 100 or BIOL 161	3-4__
GE UD Area 4	3__
	15-16 units

Note:

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

Spring 3

PLANT 101	3__
VIT 166	3__
ENOL 168 or CHEM 150	3__
GE UD Area 2/5	3__
GE UD Area 3	3__
	15 units

Note:

- Attend career fairs and seek internship/industry experience opportunities

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Fall 4

VIT 194I	4__
VIT 103	3__
VIT 165	3__
VIT 106	2__
Elective*	3__

15 units

Spring 4

VIT 160	3__
PLANT 160	3__
Elective (W)	3__
Elective	3__

12 units

Note:

- Verify all graduation requirements will be met by end of spring semester
- *Additional electives may be needed to fulfill the minimum 120-unit requirement

Note:

- Apply for graduation (See University Calendar of for Due Date)
- Complete UD GE portfolio assignments + reflection
- Fulfill Upper Division Writing Requirement
- Electives that double count as W – ENOL 170W or PLANT 110W

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

Specific Course Requirements			
Major Requirements (58-59 units)	Course name	Units	Prerequisites
BIOL 161 or PLANT 100	Plant Physiology	4	PLANT 100 = 3 units
CHEM 8 or 3B	Organic Chemistry	3	CHEM 3A or 1B
MEAG 3 or 20 or 120	Agricultural Tractors	3	or Equivalent
ENOL 15	Introduction to Enology	3	or Equivalent
ENOL 168 or CHEM 150	Intro to Vine, Grape and Yeast Biochem	3	CHEM 8 or 3B
PLANT 101	Crop Nutrition	3	PLANT 172
PLANT 160	Weed Science	3	BIOL 11 and CHEM 3A
PLANT 162 or BIOL 132	Economic Entomology	3	BIOL 11
PLANT 172	Soils	3	CHEM 3A
VIT 15	Introduction to Viticulture	3	or Equivalent
VIT 100 or PLANT 99	Viticulture & Enology Research Methods	3	MATH 11 or 11L or equivalent
VIT 101	General Viticulture I	3	BIOL 11
VIT 102	General Viticulture II	3	BIOL 11
VIT 103	Table Grapes & Raisins: Production and Post-Harvest	3	VIT 101 and 102
VIT 106	Winegrape Production	2	VIT 101 and 102
VIT 160	Mechanized, Automated and Digital Viticulture	3	VIT 15 and 101
VIT 165	Ampelography and Grape Genetics	3	VIT 101 and 102
VIT 166	Management of Grape Diseases, Disorders, and Pests	3	BIOL 11 and VIT 102
VIT 194I	Grape & Wine Industry Internship	4	
VIT 199	Viticulture 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, 1AL, 1B, 1BL
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 125	Plant Taxonomy	4	BIOL 1A, 1B, 1BL or permission
IT 109	Irrigation Water Delivery Systems	3	
IT 118	Production Operations	3	
IT 186	Applied Spatial Technology	3	
PLANT 110W	Dimentions in Agriculture	3	Double counts as elective & W course
PLANT 161	Plant Pathology	3	BIOL 11
PLANT 163	Integrated Pest Management	3	PLANT 162
PLANT 164	Plant Nematology	3	BIOL 11
PLANT 165	Pesticides	3	CHEM 3B or 8
PLANT 168	Biologival Control	3	PLANT 162
PLANT 172L	Soils Lab	1	PLANT 172 or concurrent
ENOL 45	Wine Evaluation Techniques	3	
ENOL 163	Fermentation	3	ENOL 15 (can be taken concurrently)
ENOL 170 W	Wine Business	3	AGBS 1, Double counts as elective & W
ENOL 175	Winery Management	3	ENOL 15
VIT 167	Vineyard Ecology and Organic Production	3	BIOL 11 or equivalent
VIT 168	Vineyard Floor and Vegetation Management	3	BIOL 11, CHEM 3A, 3B or 8
VIT 190	Independent Study	1,2,3	Up to 6 units
VIT 196	Viticulture Projects	1,2	Up to 4 units

Notes:

Choose electives in consultation with a Deparment advisor
Note that some courses are only offered once a year
Additional requirements double count for GE and major
Electives may have additional prerequisites
Additional electives might be needed to fulfill the 120-unit minimum
Use this in combination with the program roadmap and GE requirements