

# 2025-26 Catalog Year - Plant Science B.Sc. Course Planning Checklist

Jordan College of Agricultural Sciences and Technology, California State University, Fresno

[For planning purposes only - Consult the official University Catalog for all degree requirements, advising notes, prerequisites, etc.]

<https://catalog.fresnostate.edu>

Student Name:

Catalog Year:

ID#:

Planned Semester	Course	Semester Offered *	Units	Semester Completed
1st	GE 1A - English Composition	Fall/Spr	3	
1st	GE 1B - Critical Thinking and Composition [AGRI 10]	Fall/Spr	3	
1st	GE 1C - Oral Communication	Fall/Spr	3	
1st	GE 2 - Mathematical Concepts and Quantitative Reasoning [MATH 11]	Fall/Spr	3	
1st	PLANT 70 - Introduction to Irrigated Soils (suggested LD elective)	Fall	3	
2nd	GE 3A - Arts	Fall/Spr	3	
2nd	GE 3B - Humanities	Fall/Spr	3	
2nd	GE 4A - Social and Behavioral Sciences (US History requirement)	Fall/Spr	3	
2nd	GE 5A - Physical Science [CHEM 3A] (Prereq: MATH 11) ■ or GE 5B - Biological Science [BIOL 11] †	Fall/Spr	4	
2nd/3rd	GE 5C - Physical or Biological (LAB ONLY - can be embedded in 5A)	Fall/Spr	-	
2nd	MEAG XX or XXX (based on field of study)	Fall/Spr	3	
3rd	4B - Social and Behavioral Sciences [AGBS 1]	Fall/Spr	3	
3rd	GE 5B - Biological Science [BIOL 11] † or GE 5A - Physical Science [CHEM 3A] (Prereq: MATH 11) ■	Fall/Spr	3	
3rd	PLSI 2 American Government and Institutions	Fall/Spr	3	
3rd	PLANT 99 Intro to Biometrics (Prereq: MATH 11) ‡	Fall/Spr	3	
3rd	Lower Division Major Elective	Fall/Spr	3	
4th	GE 6 - Ethnic Studies	Fall/Spr	3	
4th	CHEM 8 Intro Org Chem or CHEM 3B Elem Org/Biochem (Prereq: CHEM 3A)	Fall/Spr	3	
4th	PLANT 71 Agricultural Water	Fall/Spr	3	
4th	PLANT 100 Aspects of Crop Productivity (Prereq: BIOL 11)	Fall/Spr	3	
4th	Additional University Requirement GE	Fall/Spr	3	
4th	Lower/Upper Division Major Elective	Fall/Spr	3	
5th	PLANT 160 Weed Science (Prereq: BIOL 11 & CHEM 3A) or PLANT 161 Plant Pathology (Prereq: BIOL 11) or Plant 162 - Economic Entomolgy (Prereq: BIOL 11)	Fall/Spr	3	
5th	PLANT 107 Plant Propagation (Prereq: BIOL 11, CHEM 3A)	Fall/Spr	3	
5th	PLANT 172 Soils (Prereq: CHEM 3A)	Fall	3	
5th	PLANT 172L Soils Lab (Pre/coreq PLANT 172)	Fall	1	
5th	Upper Division Major Elective	Fall/Spr	3	
6th	CHEM 150 General Biochemistry (Prereq: CHEM 3A and 3B or 8)	Fall/Spr	3	
6th	PLANT 101 Crop Nutrition (Prereq: PLANT 172)	Fall/Spr	3	
6th	PLANT 160 Weed Science (Prereq: BIOL 11 & CHEM 3A) or PLANT 161 Plant Pathology (Prereq: BIOL 11) or Plant 162 - Economic Entomolgy (Prereq: BIOL 11)	Fall /Spr	3	
6th	UD Writing Skills Requirement-(Recommended-PLANT 110W Dimensions in Ag)	Fall/Spr		
6th	Upper Division Major Elective	Fall/Spr	3	
7th	GE UD 3 - Arts or Humanities	Fall/Spr	3	
7th	GE UD 2/ UD 5 - Mathematical Concepts & Quantitative Reasoning/Physical & Biological Sciences [PLANT 105] or GE UD 4 - Social and Behavioral Sciences [AGBS 155] §	Fall/Spr	3	
7th	PLANT 160 Weed Science (Prereq: BIOL 11 & CHEM 3A) or PLANT 161 Plant Pathology (Prereq: BIOL 11) or Plant 162 - Economic Entomolgy (Prereq: BIOL 11)	Fall/Spr	3	
7th	PLANT 150 Crop Improvement (Prereq: BIOL 11)	Fall/Spr	3	
7th	Upper Division Major Elective	Fall/Spr	3	
8th	PLANT 163 Integrated Pest Management (Prereq: PLANT 160 or 161 or 163)	Fall/Spr	3	
8th	GE UD 2/ UD 5 - Mathematical Concepts & Quantitative Reasoning/Physical & Biological Sciences [PLANT 105] or GE UD 4 - Social and Behavioral Sciences [AGBS 155] §	Fall/Spr	3	
8th	PLANT 180, 190, or 194I (highly recommended to take in the Fall semester)	Fall/Spr	1-6	
8th	Upper Division Major Elective	Fall/Spr	3	
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## Notes:

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\* Semester offered is subject to change, summer courses are not always offered. Consider completing as early in schedule as possible.

■ Prerequisite or co-requisite: G.E. 2 Mathematical Concepts and Quantitative Reasoning (MATH 11). No credit for CHEM 3A after CHEM 1A.

† An "Introductory/Elementary/Fundamental Biology" combined with an "Introduction to Plant Science" course may be substituted for BIOL 11 - Plant Biology (Requires department approval and permission number for any courses requiring BIOL 11).

‡ Prerequisites in parentheses/Must obtain a "C" or higher for all course prerequisites.

§ PLANT 105 can double count as GE UD 2/UD5 and AGBS 155 as GE UD4 and as UD Electives provided a minimum of 120 total units will be completed.