

AGRICULTURAL SCIENCE (BS)

Agricultural Science

*Suggested Four-Year Flowcharts are planning guides and do not represent a required course sequence.
Courses may be completed in a different order, provided requisite requirements are satisfied.*

First Year

Term 1		Units
AGC 1102	Orientation to Agricultural Communication & Agricultural Science	1
ASCI 1101	Principles of Animal Physiology	3
BIO 1111	General Biology (5B) ¹	3-4
or BIO 1151	or Life: Molecules and Cells	
or BOT 1121	or General Botany	
or MCRO 2221	or Introduction to Microbiology	
BRAE 1141	Agricultural Machinery Safety	2
General Education Requirement (1A)		3
General Education Requirement (1C)		3
Units		15

Term 2		Units
ASCI 1102 & ASCI 1103	Animal Management Systems and Animal Science Laboratory	4
CHEM 1110	World of Chemistry (5A & 5C) ¹	4
PLSC 1120 & 1120L	Principles of Plant Sciences and Principles of Plant Sciences Lab	3
General Education Requirement (1B)		3
Units		14

Second Year

Term 1		Units
AGB 2202	Introduction to Sales	3
MATH 1006	College Algebra (2) ¹	3-4
or MATH 1007	or Precalculus	
or MATH 1261	or Calculus I	
or MATH 1264	or Calculus for Data Science I	
or MATH 1267	or Business Calculus	
SS 1120	Introductory Soil Science	3-4
or SS 1130	or Soils in Environmental and Agricultural Systems	
General Education Requirement		3
Free Elective ²		1-2
Units		14

Term 2		Units
AGB 2212	Agricultural Economics	3
DSCI 2229	General Dairy Manufacturing	3-4
or FSN 2245	or Elements of Food Safety	
General Education Requirement		3
General Education Requirement		3
Free Elective ²		3
Units		15

Third Year

Term 1		Units
AGC 3314	California Fairgrounds and Expositions	1-3
or AGED 4410	or Computer Applications in Agricultural Education	
AGB 3301	Food Marketing	3
or WVIT 3343	or Branded Wine Marketing	
AGED 4421	Agricultural Mechanics	3
Approved Elective		3
Free Elective ²		1-4
Units		15

Term 2		Units
BRAE 3340	Irrigation Water Management (Upper-Division 2/5) ¹	3
NR 3308	Fire and Society (Upper-Division 4) ¹	3
or NR 3323	or Human Dimensions in Natural Resources Management	
PLSC 3301	Horticultural Production Techniques	3
Approved Elective		3

General Education Requirement		3
	Units	15
Fourth Year		
Term 1		
AGC 4404	Applications of Agricultural Leadership	3
AGC 4452 or AG 4452	Current Trends and Issues in Agricultural Communication or Leadership Seminar on Issues Affecting California Agriculture, Food Systems, and Natural Resources	3-4
Approved Elective		3
Approved Elective		3
General Education Requirement		3
	Units	15
Term 2		
AGC 4426	Presentation Methods in Agricultural Communication	3
AGC 4463	Senior Project	3
Approved Elective		3
Approved Elective		3
General Education Requirement		3
Free Elective ²		0-4
	Units	17
	Total Units	120

¹ Required in Major or Support; also satisfies General Education (GE) requirement.

² If a General Education (GE) course is used to satisfy a Major or Support requirement, additional units of Free Electives may be needed to complete the total units required for the degree.