

TO: Evaluations Office
FROM: Agricultural Education and
Communication Department
RE: Agricultural Science Major
Concentration Declaration

Student ID _____
CATALOG YEAR: _____
DATE OF GRAD:
FALL WTR SPR SUM _____

DATE: _____

The following is the “Approved Program” for the Concentration, which will complete the
Agricultural Science Major for

Last	First	Initial
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Agricultural Engineering Technology

Concentration Core

BRAE 133 Engineering Design Graphics	1
BRAE 237 Intro to Engineering Surveying	2
BRAE 321 Agricultural Safety	3
BRAE 335 Internal Combustion Engines	4
Approved electives (3 units at 300-400	12

Substitution

level). Circle at least 12 units from the following courses:

BRAE 129 Laboratory Skills and Safety (1)	_____
BRAE 142 Agric. Power and Machinery Mgt (4)	_____
BRAE 151 CAD for Agric. Engineering (1)	_____
BRAE 152 3-D Solid Modeling (1)	_____
BRAE 231 Agric. Building Construction (3)	_____
BRAE 239 Engineering Surveying (4)	_____
BRAE 240 Agricultural Engineering Lab (1)	_____
BRAE 301 Hydraulic and Mechanical Power Systems (4)	_____
BRAE 324 Principles of Agric. Electrification (4)	_____
BRAE 331 Irrigation Theory (3)	_____
BRAE 337 Landscape Irrigation (4)	_____
BRAE 348 Energy for a Sustainable Society (4)	_____
BRAE 438 Drip/Micro Irrigation (4)	_____
BRAE 439 Vineyard Water Management (4)	_____
BRAE 481 Advanced Agricultural Mechanics (2)	_____

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Agricultural Supplies and Services

Concentration Core

AGB 212 Agricultural Economics	4
AGB 214 Agribusiness Financial Accounting	4
AGB 310 Agribusiness Credit and Finance	4
AGB 312 Agricultural Policy	4
Approved electives	6

Substitution

Circle at least 6 units from the following courses:

AGB 303 Intro to the Horse Racing Industry (4)	_____
AGB 313 Agricultural Economic Analysis (4)	_____
AGB 314 Fair and Fair Facility Management (4)	_____
AGB 318 Global Agricultural Marketing and Trade (4)	_____
AGB 322 Principles of Agribusiness Management (4)	_____
AGB 323 Agribusiness Managerial Accounting (4)	_____
AGB 331 Farm Accounting (4)	_____
AGB 370 World Food Economy (4)	_____
AGB 404 Food Retail Management (4)	_____
AGB 409 California Agricultural Law (4)	_____
AGB 410 Agricultural Lending (4)	_____
AGB 440 Field Studies in Agribusiness (2)	_____
AGB 443 Branded Wine Marketing (4)	_____
AGB 445 Produce Marketing (2)	_____
AGB 455 Advanced Fair Management Seminar (2)	_____

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Animal Science

Concentration Core

Substitution

Select two:

ASCI 221 Introduction to Beef Production	4
ASCI 222 Systems of Swine Production	4
ASCI 223 Systems of Sheep Management	4

Select one:

ASCI 220 Animal Nutrition and Feedings	4
DSCI 101 Dairy Feeds and Feeding	4
DSCI 330 Artificial Insemination and Embryo	4
Biotechnology	

Approved electives 6

Circle at least 6 units from the following courses:

ASCI 311 Advanced Beef Cattle System Management (4)	_____
ASCI 326 Advanced Livestock Evaluation (2)	
ASCI 329 Principles of Range Management (4)	_____
ASCI 384 Processed Meat Products (4)	
ASCI 412 Advanced Livestock Event Planning (3)	
ASCI 413 Advanced Livestock Event Management (1)	
ASCI 415 HACCP for Meat and Poultry Operations (3)	
ASCI 425 Meat Industry Study Tour (2)	
ASCI 430 Animal Feed Processing (4)	
ASCI 476 Issues in Animal Agriculture (3)	
ASCI 480 Advanced Integration of Livestock and Meat Production (4)	
ASCI 305 Game Bird Propagation and Management (3)	
ASCI 325 Egg Production, Processing and Distribution (4)	
ASCI 330 Poultry Meat Production and Processing (4)	
ASCI 342 Poultry Business Management (4)	
DSCI 301 Dairy Cattle Nutrition (4)	
DSCI 333 Dairy Cattle Management, Safety and Animal Well-Being (4)	
DSCI 435 Concentration/Fractionation and Butter Technology (4)	

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Crop and Soil Science

Concentration Core

ERSC 202 Soil Erosion and Water Conservation

4

Select course not taken in major column:

CRSC 123 Forage Crops

4

FRSC 230 California Fruit Growing

4

VGSC 230 Intro to Vegetable Sciences

4

VGSC 190 California Vegetable Production

4

PPSC 311 Agricultural Entomology

4

SS 221 Fertilizers and Plant Nutrition

4

Approved electives

6

Substitution

Circle at least 6 units from the following courses:

CRSC 333 Greenhouse Vegetable Production (2)

CRSC 445 Cropping Systems (4)

FRSC 342 Citrus and Avocado Fruit Production (4)

HCS 421 Postharvest Technology of Horticultural Crops (4)

VGSC 423 Advanced Vegetable Science (4)

VGSC 424 Vegetable Crop Management (4)

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Forestry & Natural Resources

Concentration Core

BIO 227 Wildlife Conservation Biology	4
NR 142 Environmental Management	3
NR 208 Dendrology	4
NR 306 Natural Resources Ecology & Habitat Management	4
Approved electives	7

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Circle at least 7 units from the following courses:

NR 312 Technology of Wildland Fire Management (4)	_____
NR 320 Watershed Management and Restoration (4)	_____
NR 321 Water Systems Technology, Issues and Impacts (4)	
NR 402 Forest Health (4)	
NR/CRP 404 Environmental Law (3)	
NR/CRP 408 Water Resource Law and Policy (3)	
NR/ES 308 Fire and Society (4) <i>or</i> NR 323 Human Dimensions in Natural Resources Management (4)	
NR/ES 360 Ethnicity and the Land (4)	
NR/GEOG/LA 317 The World of Spatial Data and Geographic Information Technology (4)	
NR/LA 318 Applications in GIS (3)	

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Ornamental Horticulture

Concentration Core

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EHS 123 Landscape Install & Maintenance	4
HCS 124 Plant Propagation	4
EHS 438 Teaching Methods in Environmental Horticulture	4
Approved electives	10

Circle at least 10 units from the following courses:

EHS 324 Interior Plant Management (4)	_____
EHS 337 Park Planning and Management (4)	_____
EHS 343 Turfgrass Management (4)	_____
EHS 402 Retailing Horticultural Products (4)	_____
EHS 421 Arboriculture (4)	
EHS 424 Nursery Crop Production (4)	
EHS 433 Golf Course Management Operations (4)	
EHS 434 Landscape Management (4)	
EHS/RPTA 430 Sports Field Construction and Management (4)	

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