

Agricultural Operations Management

Bachelor of Science Curriculum

Effective 2021

Student's Name:				UFID:			Con:
*REQUIRES A GRADE OF "C" OR BETTER (9 Hours of this coursework must be taken in summer semesters)							
Date	Grade	Course	Cr	Title	Offered	Pre-Req	Notes
Semester 1 (12-13 Credits)							FALL
		*BSC2010/2010L or BOT 2010c	4	Integrated Principles of Biology & Lab or Introductory Botany 1 (GE-B)	F S Su		
		MAC 1147 or MAC 2233	3-4	Precalculus: Algebra and Trig (4) or Survey of Calculus (3) (GE-M)	F S Su	Algebra 2 & Trig	
		State Core GE-C	3	ENC1101 or ENC1102 – 6000 words	F S Su		
		IDS1161 or IDS2935	3	What is The Good Life (GE-H) or Quest 1 (w/4K words if needed and D or N)	F S Su		
Semester 2 (17-16 Credits)							SPRING
		CHM 2045 and 2045L (State Core B/P)	4	General Chemistry 1 (3) and General Chemistry 1 Laboratory (1) (GE-P)	F S Su	Passing Score ChRa or 1025, and Mac1147	
		*ACG 2021 or AEB 3122 or AEB3144	4-3	Intro to Financial Accounting (4) or Financial Planning for Agribusiness (3)	F S Su		
		GE-B/P	3	Physical Science	F S Su		
		STA 2023	3	Introduction to Statistics 1	F S Su		
		State Core GE – H	3	Humanities (GE-H, D or N)	F S Su		
Semester 3 (13-14 Credits)							FALL
		*PSY 2012	3	General Psychology (State Core -S)	F S Su		
		*PHY 2004 and Lab or PHY 2020 and Lab	4	Applied Physics 1 (GE-P) or Introduction to Principles of Physics	F S Su		
		*AOM 2520	3	Global Sustainable Energy	F		
		AEB 2014 or ECO 2013 or ECO 2023	4-3	Economic Issues, Food and You (3) or Prin. of Macroecon (4) (GE-S) or Prin of Microecon (4)	F S Su		
Semester 4 (13 Credits)							SPRING
		*SPC 2608 or AEC 3030C	3	Introduction to Public Speaking or Effective Oral Communication	F S Su		
		*ENC 2210 or AEC3033c	3	Tech Writing or Research/Business Writing**	F S Su	Accept ENC 3254 or 3312	**Must be 3AG or higher
		IDS2935	4	Quest 2 course	F S Su	Quest 1	
		Approved Elective	3	Elective for concentration	F S Su		
Summer (9 credits)							SUMMER
		*AOM 3734	3	Irrigation Principles & Practices in Fla	SuA only	MAC 1147	
		AOM 4521 or ALS 3133 (Only in F,S)	3	Intro to Biofuels or Agricultural and Environmental Quality	SuA only F, S only		
		Approved Elective	3	Elective for concentration	F S Su		
Semester 5 (15-17 Credits)							FALL
		*AOM 3220	3	Ag Construction and Maintenance	F		
		AEB 3300 or MAR 3023	3-4	Agricultural and Food Marketing (3) or Principles of Marketing (4)	F S		
		*AOM 3333	3	Pesticide Application Techniques	F		
		AEB 3133 or MAN 3025	3-4	Principles of Agribusiness Management (3) or Principles of Management (4)	F S Su		
		Approved Electives	3	Elective for concentration	F S Su		
Semester 6 (13 Credits)							SPRING
		SWS 3022	3	Intro to Soils in the Environment	F S		
		*AOM 4933	1	Professional Practices in AOM	S		
		*AOM 4314C	3	Power and Machinery Management	S	PHY 2004	
		Approved Electives	6	Elective for concentration	F S Su		
Semester 7 (13 Credits)							FALL
		*AOM 4642	3	Environ. Systems for Ag Structures	F	MAC 1147	
		*AOM 4643	3	Environ Hydrology: Principles and Issues	F		
		AEB 4085, 4123, 4126 or BUL4310	4	Business law, ethics or human resources (see adviser)	F S Su		
		Approved Elective	3	Elective for concentration	F S Su		
Semester 8 (13 Credits)							SPRING
		*AOM 4434	3	Precision Agriculture	S	Jr. standing	
		*AOM 4455	3	Agricultural Operations and Systems	S	MAC 1147	
		*AOM 4444C	3	Electrical Power and Instrum. for AOM	S		
		*AOM 4461	3	Sustainable Ag Systems	S	Sr. standing	
		Approved Electives	1	Elective for concentration	F S Su		

AOM CONCENTRATION AREAS			
Sustainable Energy & Facilities			
Semester(s)	Required Courses:	Course Title	
Sum A	AOM 4521	Intro to Biofuels	3
Fall/Spring	BCN 1582	International Sustainable Development	3
Fall/Spring/SumA	DCP3210	Sustainable Solutions for Built Environment	3
Plus	Elective Choices (9 hours)		
Fall/Spring	DCP3730	Construction, Safety, Health and the Environment	3
Fall/Spring	DCP 4214	Green Building Strategies	6
Fall/Spring/SuA	DCP3220	Social & Cultural Sustain & Bt Environment	3
Fall/Spring/SumA & SumB	GEO2242	Extreme Weather	3
Plus	Internship, Extension or Undergrad Research		
Plus	1		
Agribusiness Management			
Semester(s)	Required Courses:	Course Title	
Fall/Spring	AEB 3671	Comparative World Agric.	3
Fall/Spring	AEB 3341	Selling Strategically	3
Spring	AOM 4060	Agri-Food System Innovation	3
Plus	Pick 3 of the following courses:		
Fall	AEB 4283	International Dev. Policy	3
Fall/Spring/SumC	FYC 3005	Introduction to Personal and Family Financial Planning	3
Spring	AEB 4343	Intl Agribusiness Marketing	3
Fall/Spring	AEB 4424	Human Resources Management in Agribusiness	3
Plus	Internship, Extension or Undergrad Research		
Plus	1		
Fishery And Aquatic Production			
Semester(s)	Required Courses: (Select 5, including BSC2011 & Lab)		
Fall/Spring/ SumC	BSC 2011 & lab	Integrated Prin of Bio II & lab	4
Spring	FAS 2024	Global & Regional Perspectives in Fisheries	3
Fall	FAS 4202C	Biology of Fishes	4
Fall	FAS 4270	Marine Ecological Processes	3
Spring	FAS 4305C	Intro to Fishery Sciences	3
Fall	FAS 4932	Aquaculture 1	3
Spring	FAS 4405	Aquariums, Water & Aquaculture	3
Plus	Internship, Extension or Undergrad Research		
Plus	3		
Soil and Water Science			
Semester(s)	Required Courses	Course Title	
Fall/Spring	SWS 2007	The World of Water	3
Fall/Spring	SWS 3022L	Introduction to Soils in the Environment Laboratory	1
Plus	Pick 4 of the following:		
Spring	SWS 4116	Environmental Nutrient Mgmt	3
Fall	SWS 4207	Sustainable Agricultural and Urban Land Management	3
Fall	SWS 4231c	Soil, Water and Land Use	3
Spring, SuC	SWS 4233	Soil and Water Conservation	3
Fall	SWS 4244	Wetlands	3
Plus	Internship, Extension or Undergrad Research		
Plus	3		

Animal Production Management			
Semester(s)	Required Courses:	Course Title	
Fall/Spring/ SumC	ANS3006 & 3006L	Introduction to Animal Science & lab (pre-req for ANS courses)	4
Fall/ SumB	ANS 3216 or ANS 3634C or ANS 3934 (2)	Intro to Equine Science or Meats (Fall) Careers in ANS (requires add'l credit of internship or research)	3 or 2
Fall	ANS 3008	Livestock Behavior & Welfare	3
Spring	ANS 3404C	Food Animal Nutrition and Feeding (pre-req ANS3440)	3
Fall/Spring/ SumC	ANS 3440 or ANS3319C or AGR4231c	Principles of Animal Nutrition or Reprod Phys & Endocrinology in Domestic Animals Forage Science & Range Mgmt	4
Plus	Internship, Extension or Undergrad Research		
Plus	2		
Horticulture & Crop Management			
Semester(s)	Required Courses:	Course Title	
Fall	HOS 3020c	Principles of Horticultural Crop Production	4
Spring	AOM 4060	Agri-Food System Innovations	3
Spring	AOM4932	Controlled Environments for Plant Production	3
Plus	Pick 1 of the following:		
Fall	VEC 3221C	Vegetable Production	4
Summer A	AGR 3303	Genetics	3
Spring (odd yrs)	HOS3430C	Nutrition of Field Crops	3
Spring	AGR 4212	Alternative Cropping Systems	3
Spring	AGR 4214C	Applied Field Crop Production	3
Plus	Pick 2 of the following:		
Fall	HOS 3281C	Organic and Sustainable Crop Production	3
Fall	FRC 3274	Tree and Small Fruit Production	3
Fall	FRC 3212	Introduction to Citrus Culture and Production	3
Fall	VEC2100	World Herbs and Vegetables	3
Spring	HOS 3222C	Greenhouse and Protected Agriculture	3
Spring	AGG 3501	Environment, Food & Society	3
Spring	HOS 4283C	Advanced Organic and Sustainable Crop Production	4
Spring	PLS 3004C	Principles of Plant Science	3
Summer C	ORH 3513C	Environmental Plant ID & Use	3
Summer A	FYC 3521	Community Food Systems	3
Fall, Spring, Summer	Internship, Extension or Undergrad Research		3