GENERAL AGRICULTURE PLANT AND SOIL SCIENCE CONCENTRATION

I. General Education Requirements

F.

TOTAL REQUIRED FOR GENERAL EDUCATION – 43 Credits

Students should consult with their freshman or departmental advisor when making course selections.

Α.	Curricul	9 Credits				
	Students ARTS: HISTOF LANGU LITERA	0, ARTS 310 GL 218, ENGL 327,				
В.	Curricul	lum Area	II - (Social and Behavioral Sciences)	6 Credits		
			et one course in each of two disciplines: ES:ECON 201 or ECON 201H, ECON 202 or ECON 202H, GEOG 201 or GEOG 202, HIST 101 or HIST 111H, HIST 102 or HIST 112H, POLI 200 or POLI 200H, POLI 342 SOCI 101 or SOCI 111H	3		
	BEHAV	IORAL S	CIENCES:CRJS 101, HUEC 203, HUEDC 220, HUEC 361, PSYC 200, SOCI 201, SOWK 200 or SOWK 200H	3		
C.	Curricul	Curriculum Area III - (Biological and Physical Sciences) 12 Credits				
		111 113 112	Title Principles of Chemistry I Principles of Chemistry I Lab Principles of Chemistry II Principles of Chemistry II Lab Principles of Chemistry II Lab Principles of Biology I Principles of Biology Lab I	Credits 3 1 3 1 3 1		
D.	Curriculum Area IV - (Mathematics)			3 Credits		
	Course MATH		Title College Algebra or Higher	Credits 3		
Е.	Curricul	lum Area	V - (English Composition)	9 Credits		
	Course ENGL ENGL ENGL ENGL	101 102 305	Title Basic Composition I Basic Composition II Technical Writing or Advanced Composition	Credits 3 3 3		

Course No	o. Title	Credits			
EDHE 11	1 Personalized Health Fitness	3			
AGNR 11	1 First Year Experience Seminar	1*			
*Required for all Department of Agriculture Students					

4 Credits

Curriculum Area VI - (Emerging Issues)

II.	Prograi	15 Credits		
	Course	No.	Title	Credits
		114	Introduction to Animal Science	4
	PLSC	184	Introduction to Plant Science	3
	PLSC	185	Introduction to Plant Science Lab	1
	AGEC	213	Introduction to Agriculture Economics	3
	AGME	283	Engineering Principles Applied to Agriculture	3
	AGRI	301	Seminar	1
III.	Major l	Requirements		24 Credits
	Course	- 141	Title	Credits
	AMIC		Agricultural Microbiology	4
	HORT		Introduction to Horticultural Science or	
	HORT		Honors Introduction to Horticultural Sciences	3
	SOIL	203	Introduction to Soil Science	3
	BIOL		Principle of Biology II and	
	BIOL		Principle of Biology Lab II <u>or</u>	
		112H	Honors Principles of Biology II and	
	BIOL		Honors Principles of Biology II Lab	4
	AGRN		Plant Nutrition & Soil Fertility	3
	BUED		Computer Concepts/Applications I and	3
	CHEM		Fundamentals of Organic Chemistry I or	
	CHEM		Fundamentals of Organic Chemistry I Lab and	4
	CHEM		Honors Fundamentals of Organic Chemistry I Lab	4
	* A mir	ilmum grade of "C	' is required for each of these courses	
IV.	Suppor	tive Requirements*	*	24 Credits
		minimum of 24 cred		~
	Course		Title	Credits
	HORT		Floriculture & Ornamental Horticulture or	2
	HORT		Honors Floriculture & Ornamental Horticulture	3
	HORT		Landscape Design Theory	3
	HORT		Turf Maintenance and Management	3
	HORT		Horticultural Therapy Plant Tissue Culture	3 3
	HORT			3
	ENTO	313	General and Applied Entomology	3
	AGME AGRN	222 A	Select Courses with Advisor's Approval Weed Science	3
	AGNR		Natural Resources Conservation	3
	AGNR		Agriculture and the Environment	3
	AGNR		Principles of Geographic Information Systems	3
	AGRN		Plant Genetics & Breeding	3
	HORT		Horticultural Crops	3
	PLSC	283	Agriculture and the Environment	3
	AGRN		Global Agronomic Crops	3
	SOIL	443/H	Soil Chemistry	3
	AGRI	499	Special Topics in Agriculture	3
	PLSC	474	Plant Pathology <u>or</u>	-
	PLSC	474H	Honors Plant Pathology	4
	AGRN		Independent Study in Plant & Soil Sci.	1-4
	PLSC	440	Plant Physiology	4
	AGRI		Recombinant DNA Technology	3
	FDST	493	Food Chemistry	3
	NRES		Conservation Biology	3
	PLSC	484	Internship in Agriculture and Natural Resources	3-6

Select a minimum of	11 credit hours				
Course No.	Title	Credits			
BIOL 222	Genetics	3			
BIOL 223	Genetics Lab	1			
BIOL 402	Ecology	4			
BUAD	Select Courses with Advisor's Approval				
BUED	Select Courses with Advisor's Approval				
CHEM 212	Fundamentals of Organic Chemistry II	3			
CHEM 214	Fundamentals of Organic Chemistry II Lab	1			
CHEM 311	Analytical Chemistry I	4			
CHEM 312	Analytical Chemistry II	4			
PHYS	Select Courses with Advisor's Approval				
ENVS	Select Courses with Advisor's Approval				
CHEM 341	Biochemistry I	3			
CHEM 343	Biochemistry I Lab	1			
MATH	Select Courses with Advisor's Approval				
HUEC	Select Courses with Advisor's Approval				
ENVS	Choice of an ENVS Course	3-4			
** A minimum cum	ulative grade of C (GPA 2.0) is required for Supportive Coun	rses			
Elective Requirement	nts	3 Credits			
Electives must be chosen with the approval of the student's advisor					
	TOTAL PROGRAM REQUIREMENTS	120			

v.

PLANT AND SOIL SCIENCE CONCENTRATION Recommended Course Sequence

FRESHMAN YEAR

JUNIOR YEAR

FALL S	EMEST	FD H	IOURS				
AGNR	111	First Year Exper. Seminar	1	FALL S	EMEST		HOURS
ENGL	101/H	Basic Composition I	3	ENIGI	205	Science or Math Sup. Course	3
MATH	109	College Algebra or higher	3	ENGL	305	Technical Writing	3
CHEM	111	Principles of Chemistry I and				Plant & Soil Sci. Elective,	2
CHEM	113	Principles of Chem. I Lab or				Math or Sci. Supp. Course	3
CHEM	111H	Honors Principles of Chem. I	3			GER CURR. AREA I	<u>6</u>
CHEM	113H	Honors Principles of Chem. I La	b 1			Semester Total	15
PLSC	184	Introduction to Plant Science	3				
PLSC	185	Intro to Plant Science Lab	<u>1</u>				
		Semester Total	15				
SPRING	SEME:		IOURS	SPRING	SEME	STER	HOURS
BIOL	112	Principles of Biology II and		AMIC	324	Agricultural Microbiology	4
BIOL	114	Principles of Biology II Lab <u>or</u>		rmine	321	Science or Math Sup. Course	•
BIOL	112H	Honors Prins. of Biology II and	3			and/or Plant and Soil Science	
BIOL	114H	Honors Prin. of Biology II Lab	1			Elective	3
CHEM		Principles of Chemistry II	3			GER CURR. AREA II	3
CHEM	114	Principles of Chemistry II Lab	1			Science or Math Sup. Course	3
ENGL	102	Basic Composition II or	_	AGRI	301	Agriculture Seminar	<u>1</u>
ENGL	102H	Honors Basic Composition II	3			Semester Total	14
EDITE		CURR. AREA I	3				
EDHE	111	Personalized Health Fitness	<u>3</u>				
		Semester Total	17				
		SOPHOMORE YEAR				SENIOR YEAR	
FALL S	EMEST		IOURS	FALL S	EMEST		HOURS
FALL S	EMEST		IOURS	FALL S	EMEST 423		HOURS
		ER H	IOURS 4			ER	HOURS
ANPT	114	ER H Intro. to Animal Science <u>or</u>		AGRN	423	ER Plant Nutri. and Soil Fert. or	3
ANPT ANPT	114 114H	ER Intro. to Animal Science <u>or</u> Honors Intro. to Animal Sci.		AGRN	423	ER Plant Nutri. and Soil Fert. or Hnrs. Plant Nutri.& Soil Fert.	3
ANPT ANPT AGEC	114 114H 213	ER Fintro. to Animal Science or Honors Intro. to Animal Sci. Intro. to Ag. Economics or	4	AGRN	423	ER Plant Nutri. and Soil Fert. or Hnrs. Plant Nutri.& Soil Fert. Science or Math Electives and	3 /or
ANPT ANPT AGEC AGEC	114 114H 213 213H	ER FINITION TO Animal Science or Honors Intro. to Animal Sci. Intro. to Ag. Economics or Honors Intro. to Ag Economics Intro to Horticultural Sci. Fund. of Contemporary Speech	4 3	AGRN	423	ER Plant Nutri. and Soil Fert. or Hnrs. Plant Nutri.& Soil Fert. Science or Math Electives and Plant/ Soil Science Electives	3 /or
ANPT ANPT AGEC AGEC HORT	114 114H 213 213H 203 203 211	ER FINITION IN THE PROPERTY OF	4 3 3 3	AGRN	423	ER Plant Nutri. and Soil Fert. or Hnrs. Plant Nutri.& Soil Fert. Science or Math Electives and Plant/ Soil Science Electives Science, Math or Plant/Soil	3 /or 7
ANPT ANPT AGEC AGEC HORT ENGL CHEM CHEM	114 114H 213 213H 203 203 211 213	ER Entro. to Animal Science or Honors Intro. to Animal Sci. Intro. to Ag. Economics or Honors Intro. to Ag Economics Intro to Horticultural Sci. Fund. of Contemporary Speech Fund. Of Organic Chem. I and Fund. of Organic Chem. I Lab or	4 3 3 3	AGRN	423	ER Plant Nutri. and Soil Fert. or Hnrs. Plant Nutri.& Soil Fert. Science or Math Electives and Plant/ Soil Science Electives Science, Math or Plant/Soil Science Supportive Course	3 /or 7
ANPT ANPT AGEC AGEC HORT ENGL CHEM	114 114H 213 213H 203 203 211	ER Entro. to Animal Science or Honors Intro. to Animal Sci. Intro. to Ag. Economics or Honors Intro. to Ag Economics Intro to Horticultural Sci. Fund. of Contemporary Speech Fund. Of Organic Chem. I and Fund. of Organic Chem. I Lab or Hnrs. Fund. of Organ. Chem.	4 3 3 3 3	AGRN	423	ER Plant Nutri. and Soil Fert. or Hnrs. Plant Nutri.& Soil Fert. Science or Math Electives and Plant/ Soil Science Electives Science, Math or Plant/Soil Science Supportive Course	3 /or 7
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