

Undergraduate Curriculum in Agricultural Engineering
Land and Water Resources Engineering Option
2017-2018 Catalog
Total Credits 126

First Year (32 cr.)

Semester 1 (16 cr.)		Semester 2 (16 cr.)	
R	Engr 101	Orientation (FS)	1
			A B E 110
3	A B E 170	Graphics and Design (FS)	3
			A B E 160
4	Chem 167	General Chemistry (FS)	4
			Math 166
1	Chem 167L	General Chemistry Lab (FS)	5
			Phys 221
4	Math 165	Calculus I (FS)	3
			Engl 250
3	Engl 150	Crit. Think. and Comm.(FSSS)	
1	Lib 160	Library Instruction (FSSS)	

Second Year (30 cr.)

Semester 3 (15 cr.)		Semester 4 (15 cr.)	
3	A B E 216	Fundamentals of AE (F)	2
			A B E 218
3	EM 274	Statics of Engineering (FSSS)	1
			A B E 201
3	Math 266	Differential Equations (FSSS)	3
			EM 324
3	Agron 181	Intro to Crop Science (FS)	3
			ME 231
3	Agron 182	Intro to Soil Science (FS)	3
			Stat 305
			Engr Statistics (FSSS)
			3
			Biol 251
			Biological Processes in the Environment (S)
			or
			Biol 211
			Principles of Biology I (FSSS)

Third Year (33 cr.)

Semester 5 (17 cr.)		Semester 6 (16 cr.)	
3	A B E 316	Systems Modeling (FS)	3
			CE 326
4	A B E 363	Electric Power and Electronics (FS)	3
			CE 372
1	EM 327	Mechanics of Materials Lab (FSSS)	2
			Micro 201
3	EM 378	Mechanics of Fluids (FSSS)	1
			Micro 201L
3	→	GIS Elective	3
			→
3	→	International Perspective Elective	1
			→
			3
			→

Fourth Year (31 cr.)

Semester 7 (17 cr.)		Semester 8 (14 cr.)	
2	A B E 415	AE Design I (FS)	2
			A B E 416
3	A B E 404	Instrumentation for Ag and Bio Engr (F)	3
			IE 305
3	A B E 431	Soil and Water Conservation (F)	3
			→
3	Geol 201	Geology for Engrs and Env Sci (F)	3
			→
3	→	Communication Elective (FSSS)	3
			→
3	→	SS&H Elective	

Highly recommended (not required):

1 A B E 418 Fundamentals of Engr Review

***Please check the current catalog and Schedule of Classes for most recent offerings.**