

Updated 5/18/2020

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Careers in BRAE <b>BRAE 128 (2)</b>	Laboratory Skills and Safety <b>BRAE 129 (1)</b>	3-D Solids Modeling <b>BRAE 152 (1)</b> (BRAE 133 & 151; or BRAE 150)	Ag Power & Machinery Mgmt <b>BRAE 142 (4)</b> (MATH 116 or equivalent)	Agricultural Systems Analysis <b>BRAE 203 (4)</b> (MATH 118 or equiv)	Engineering Surveying <b>BRAE 237 (2)</b> or <b>BRAE 239 (4)</b> (MATH 119 or equiv)	Irrigation Water Management <b>BRAE 340 (4)</b> (Jr Standing; GE Area A & B; MATH 118)	Principles of Agricultural Electrification <b>BRAE 324 (4)</b> (MATH 119; PHYS 121)	Energy for a Sustainable Society <b>BRAE 348 (4)</b> (Jr Stdg.; GE Area A&B) [Upper-Div B]	Agricultural Materials <b>BRAE 342 (4)</b> (PHYS 121; SS 120 or 121; MATH 119)	Mechanical Systems Analysis <b>BRAE 343 (4)</b> (BRAE 342)	Computer Controls for Agriculture <b>BRAE 425 (3)</b> (BRAE 324)
Design Graphics and CAD for Agricultural Engineering <b>BRAE 150 (2)</b>						Agricultural Systems Mgmt Theory <b>BRAE 317 (4)</b> (BRAE 203)	Agricultural Safety <b>BRAE 321 (3)</b> (Junior Standing)	Hydraulic and Mechanical Power Systems <b>BRAE 301 (4)</b> (PHYS 121 or 141)	Agricultural Systems Management I <b>BRAE 418 (4)</b> (BRAE 203; AGB 310; GE A3; or grad)	Agricultural Systems Management II <b>BRAE 419 (4)</b> (BRAE 418)	Agricultural Buildings <b>BRAE 432 (4)</b> (PHYS 121; BRAE 342, 343)
Choose one: <b>MATH 119</b> <b>STAT 217</b> <b>STAT 218 (4)*</b> [B4]	Chemistry <b>CHEM 110 (4)*</b> or <b>CHEM 127 (4)*</b> [B1 & B3]	College Physics I <b>PHYS 121 (4)</b> *	Introductory Soil Science <b>SS 120 (4)</b> *	Financial Accounting <b>BUS 212 (4)</b> or <b>AGB 214 (4)</b>			Upper-Div Approved Elective <b>(3)</b>	Upper-Div Approved Elective <b>(3)</b>	Upper-Div Approved Elective <b>(3)</b>	Lower-Div Approved Elective <b>(3)</b>	Lower-Div Approved Elective <b>(4)</b>
	Calculus for Business and Economics <b>MATH 221 (4)</b> * [GE Elective]	Animal or Plant Production Course <sup>1</sup> <b>(3) *</b>	Agricultural Economics <b>AGB 212 (4)</b>				Ag Credit & Finance <b>AGB 310 (4)</b> (AGB 214 or BUS 212 or 214)	Ag Personnel Mgmt <b>AGB 369 (4)</b> (AGB 212 or ECON 201 or 221; Jr Standing)	Sr Proj Org <b>BRAE 460 (1)</b> (GE A3)		Senior Project I <b>BRAE 461 (2)</b> (BRAE 460)
Expository Writing <b>ENGL 133 or 134 (4)**</b> [A2] Can be taken anytime during Freshman Year				Upper Division <b>GE (4)</b> **	GE (4) **	GE (4) **			Upper Division <b>GE (4)</b> **		
Oral Communication <b>COMS 101 or 102 (4)**</b> [A1] Can be taken anytime during Freshman Year					GE (4) **	GE (4) **					
	Reasoning, Argumentation, and (Professional) Writing [A3] <b>ENGL/COMS 145 or ENGL 148 (4)</b> (Completion of GE A2 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.				GE (4) **	GE (4) **					
GE (4) **		GE (4) **	GE (4) **	GE (4) **	GE (4) **	Graduation Writing Requirement <b>GWR*</b> (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)					
16	13	16	16	16	14-16	16	14	15	16	15	13
										<b>TOTAL:</b>	<b>180-182</b>

**Notes:**

**MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET**

\* Refer to current catalog for prerequisites.

\*\*One course from each of the following GE areas must be completed: A1, A2, B2, C1, C2, Lower-Division C Elective, Upper-Division C, D1, D2, D2, Upper-Division D, E, and GE Elective. Upper-Division C and Upper-Division D should be taken only after Junior standing is reached (90 units).

Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C1, Upper-Division C, D1, D2, Upper-Division D, or E.

<sup>1</sup> Select any AEPS, ASCI, or DSCI course except for internship or enterprise courses.

**Legend:**

Course Title	Major (85-87)
Course # (Units)	Support (43)
(Prerequisite)	General Ed. (52)
[GE Area]	