BS AGRICULTURAL SYSTEMS MANAGEMENT

- 60 units upper division
- GWR
- 2.0 GPA
- USCP

* = Required in Major/Support; also satisfies GE

Note: No major or support courses may be taken as credit/no credit.

MAJOR COURSES

- BRAE 128 Careers in Bioresource/Agric. Engr 2
- BRAE 129 Laboratory Skills and Safety 1
- BRAE 133 Engineering Design Graphics 1
- BRAE 141 Agricultural Machinery Safety 3
- BRAE 142 Agric Power and Machinery Mgmt 4
- BRAE 151 CAD for Agricultural Engineering 1
- BRAE 152 3-D Solids Modeling 1
- BRAE 203 Agricultural Systems Analysis 3
- BRAE 237 Intro to Engineering Surveying 2/4
- BRAE 239 Engineering Surveying 2/4
- BRAE 301 Hydraulic/Mechanical Power Systems 4
- BRAE 321 Agricultural Safety 3
- BRAE 324 Principles Agricultural Electrification 4
- BRAE 340 Irrigation Water Management 4
- BRAE 342 Agricultural Materials 4
- BRAE 343 Mechanical Systems Analysis 4
- BRAE 348 Energy for a Sustainable Society (Area F)* 4
- BRAE 418 Agricultural Systems Management I 4
- BRAE 419 Agricultural Systems Management II 4
- BRAE 425 Computer Controls for Agriculture 3
- BRAE 432 Agricultural Buildings 4
- BRAE 460 Senior Project Organization 1
- BRAE 461 Senior Project I 2
- BRAE 462 Senior Project II 2

Approved electives 16

Select 16 units from the following, with a minimum of 8 units upper division, and no more than 4 units internship or enterprise:

- any AGB course eligible for the AGB minor;
- AGED 102, 330;
- any ASCI course except ASCI 101, 200, 212, 400, 412, 413, 425;
- BRAE 200 5 236, 302, 331, 335, 337, 344, 345, 400 4, 405, 434, 435, 438, 439, 440, 447, 448, 532; 4/19/12/5/15
- any DSCI course except DSCI 123;
- CHEM 212;
- any course in CM minor;
- any CRSC course;
- any FRSC course;
- FSN 125, 204, 230, 270 or 370, 275, 275, 323, 330, 334, 341, 354, 444; 6/13/13
- any HCS course except HCS 110;
- IME 141, 142, 143, 144, 157, 319, 320;
- IT 260, 330, 341;
- NR 306, 318, 408, 416;
- any PPSC course except PPSC 110;
- SS 221; any VGSC course;
- any WVIT course except WVIT 101

SUPPORT COURSES

- AGB 212 Agricultural Economics 4
- AGB 301 Food and Fiber Marketing 4
- AGB 310 Agribusiness Credit and Finance 4
- AGB 401 Managing Cultural Diversity in Agricultural Labor or AGB 369 10/5/15 4
- BUS 212 Financial Accounting for Nonbusiness Majors or AGB 214 Agribus Financial Acctg 4
- CHEM 110 World of Chemistry - Essentials or CHEM 111 Survey of Chemistry (B3 & B4)* 4/5
- CSC 110/CSC 113/CSC 232 3
- ENGL 148 Reasoning, Argumentation, and Professional Writing or ENGL 145 Reasoning, Argumentation and Writing (A3)* 4
- MATH 118 Pre-Calculus Algebra (B1)* 4
- MATH 119 Pre-Calculus Trigonometry (B1)* 4
- PHYS 121 College Physics I 4
- SS 121 Introductory Soil Science 4
- any ASCI, CRSC, DSCI, FRSC, HCS, PPSC, VGSC course except for internship or enterprise courses.

GENERAL EDUCATION (GE)

- 72 units required, 20 of which are specified in Major/Support.
- See page 39 for complete GE course listing.
- Minimum of 12 units required at the 300 level.

Area A Communication (8 units)

- A1 Expository Writing 4
- A2 Oral Communication 4
- A3 Reasoning, Argumentation, and Writing * 4

Area B Science and Mathematics (4 units)

- B1 Mathematics/Statistics * 8 units in Support 0
- B2 Life Science 4
- B3 Physical Science * 4 units in Support 0
- B4 One lab taken with either a B2 or B3 course

Area C Arts and Humanities (20 units)

- C1 Literature 4
- C2 Philosophy 4
- C3 Fine/Performing Arts 4

1 Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals.

2 May substitute 3 units of any advisor approved elective. 4/11/15

4 unit maximum. 5/15/15
C4 Upper-division elective ..................................... 4  
Area C elective (Choose one course from C1-C4) 4

**Area D/E Society and the Individual (20 units)**
D1 The American Experience (40404) .............. 4  
D2 Political Economy .................................... 4  
D3 Comparative Social Institutions .................. 4  
D4 Self Development (CSU Area E) ................. 4  
D5 Upper-division elective .............................. 4

**Area F Technology Elective (upper division)**
* 4 units in Major ........................................... 0

\[ \text{Total} = 52 \]

**FREE ELECTIVES** ........................................... 0

\[ \text{Total} = 183 \]