

# SOUTHERN UTAH UNIVERSITY

Walter Maxwell Gibson College of Science & Engineering

## BIS in Agriculture Science & Industry

updated 3/22/2017

### GENERAL EDUCATION (CORE REQUIREMENTS) (16-17 CR.)

#### English Requirements: (6)

\_\_\_ ENGL 1010  
\_\_\_ ENGL 2010

#### Quantitative Literacy Requirements: (3-4)

\_\_\_ Math 1030 or higher

#### Information Literacy Requirement: (1)

\_\_\_ LM 1010

#### Computer Literacy Requirement: (3)

\_\_\_ CSIS 1000

#### American Institutions Requirement: (3)

\_\_\_ HIST 1700 or \_\_\_ POLS 1100 or \_\_\_ ECON 1740

### GENERAL EDUCATION (KNOWLEDGE AREA REQUIREMENTS) (16 CR.)

#### Fine Arts (F): (3)

\_\_\_ Select one

#### Humanities (H): (3)

\_\_\_ Select one

#### Social and Behavioral Sciences (S): (3)

\_\_\_ fulfilled by ECON 2010 \*

#### Life Science (L): (3)

\_\_\_ fulfilled by AGSC 1010 or AGSC 1100\*

#### Physical Science (P): (4)

\_\_\_ fulfilled by CHEM 1110/1115 (pre-req. for AGSC 3560)

### EDGE PROGRAM (1-3 CREDITS)

\_\_\_ EDGE 1010 - Becoming an Engaged Learner (required of all students)

Select a two course sequence based on an EDGE project area of focus: (Proposal & Planning/Reporting & Reflection)

\_\_\_ EDGE 3010/4010 - Community Project

\_\_\_ EDGE 3040/4040 - Leadership Project

\_\_\_ EDGE 3020/4020 - Creativity Project

\_\_\_ EDGE 3050/4050 - Outdoor Project

\_\_\_ EDGE 3030/4030 - Global Project

### AGRICULTURE CORE REQUIREMENTS (32 CR.)

Students must complete all core requirements:

\_\_\_ AGSC 1010 Agriculture & Society\* (3) (S)  
\_\_\_ AGSC 1100 Principles of Animal Science\* (3) (F)  
\_\_\_ AGSC 1110/1115 Crop Production/Lab (4) (S)  
\_\_\_ AGSC 1990 Agriculture Leadership (1) (F/S)  
Note: May be taken 3 times  
\_\_\_ AGSC 3020 Agribusiness Management (3) (S)  
\_\_\_ AGSC 3400/3405 Feed. & Nutr. of Livestock & Horses/Lab (4) (S) Pre-req: AGSC 1100  
\_\_\_ AGSC 3560/3565 Soils/Lab (4) (F)  
Pre req: CHEM 1110/1115  
\_\_\_ AGSC 4990 Agriculture Seminar (1) (F/S)  
Pre-req: AGSC 1990 Note: May be taken 2 times  
\_\_\_ ACCT 2010 Accounting Principles (3) (F/S)  
\_\_\_ ECON 2010 Principles of Microeconomics\* (3) (F/S)  
AND one of the following  
\_\_\_ ENGL 2040 Writing in Professional Contexts (3) (F/S)  
Pre-req: ENGL 2010  
\_\_\_ COMM 4240 Technical Writing (3) (F/S/M)

### AREAS OF EMPHASIS

Students must complete one of the following emphasis areas:

#### Agribusiness Emphasis (18-20 CR.)

\_\_\_ ACCT 2020 Managerial Accounting (3) (F/S)  
Pre-req: ACCT 2010  
\_\_\_ ACCT 3350 Business Law I (3) (F/S)  
\_\_\_ MKTG 3010 Marketing Principles (3) (F/S)  
Pre-req: Junior standing  
\_\_\_ MGMT 3180 Management & Organizations (3) (F/S)  
Pre-req: Junior standing  
AND 6-8 credits from the following  
\_\_\_ AGSC 3030/3035 Forage Crops/Lab (4) (F odd)  
Pre-req: AGSC 1110/1115  
\_\_\_ AGSC 3350 Horse Sciences & Industry (3) (F)  
Pre-req: AGSC 1100  
\_\_\_ AGSC 3700/3705 Princ. of Irrigated Soils/Lab (4) (F even)  
\_\_\_ AGSC 4100 Beef Cattle Management (3) (F)  
Pre-req: AGSC 1100; AGSC 2640, 3020, 3400 recommended  
\_\_\_ AGSC 4250 Sheep Management (3) (S even)  
Pre-req: AGSC 1100, AGSC 2640, 3020, 3400 recommended  
\_\_\_ RANG 3600/3605 Range Management/Lab (4) (F)

**Electives (39-42 credits, 8-11 need to be upper-division)**

**Animal Science & Industries Emphasis (17-18 CR.)**

\_\_\_ AGSC 3150 Animal Breeding (3) (F)

*Pre-req: AGSC 1100, MATH 1030; BIOL 3060/3065 recom.*

\_\_\_ AGSC 3500/3505 Animal Reproduction/Lab (4) (S)

*Pre-req: AGSC 1100*

*AND 2 of the following (4 Credits)*

\_\_\_ AGSC 2630 Horse Production Practices (2) (S)

\_\_\_ AGSC 2640 Livestock Prod. Practices (2) (F even)

\_\_\_ AGSC 2760 Horsemanship II (2) (F/S) *Pre-req: AGSC 1750*

\_\_\_ AGSC 2820 Artificial Insemination for Cattle (2) (S)

*Pre-req: AGSC 1100 & Instructor Permission*

\_\_\_ AGSC 3760 Advanced Horsemanship (2) (F)

*Pre-req: AGSC 2760 & Instructor Permission; may repeat*

*AND 2 of the following (6-7 Credits)*

\_\_\_ AGSC 3350 Horse Sciences & Industry (3) (F)

*Pre-req: AGSC 1100*

\_\_\_ AGSC 4100 Beef Cattle Management (3) (F)

*Pre-req: AGSC 1100; AGSC 2640, 3020, 3400 recommended*

\_\_\_ AGSC 4250 Sheep Management (3) (S even)

*Pre-req: AGSC 1100, AGSC 2640, 3020, 3400 recommended*

\_\_\_ BIOL 3060/3065 Genetics/Lab (4) (S) *as needed*

*Pre-req: BIOL 1620/1625, CHEM 1110/1115 or 1210/1215*

**Electives (39-42 credits, 7-13 upper-division)**

**Plant Science & Industries Emphasis (18-20 CR.)**

\_\_\_ AGSC 3030/3035 Forage Crops/Lab (4) (F odd)

*Pre-req: AGSC 1110/1115*

\_\_\_ AGSC 3230/3235 Pests & Pest Mgmt./Lab (4) (S)

\_\_\_ AGSC 3700/3705 Prins. of Irrig. Soil/Lab (4) (F even)

*AND 6-8 credits from the following*

\_\_\_ BIOL 3710/3715 Greenhouse Pract. I/Lab (2) (F/S)

*Pre-req: Instructor Permission*

\_\_\_ BIOL 3730/3735 Greenhouse Pract. II/Lab (2) (F/S)

*Pre-req: BIOL 3710/3714 & Instructor Permission*

\_\_\_ RANG 3600/3605 Range Management/Lab (4) (F)

\_\_\_ RANG 3800/3805 Wildland Plant ID/Lab (4) (S)

**Electives (39-41 credits, 5-8 upper-division)**

**Natural Resource/Range Mgmt. Emphasis (18 CR.)**

\_\_\_ RANG 3600/3605 Range Management/Lab (4) (F)

\_\_\_ RANG 3800/3805 Wildland Plant Id/Lab (4) (S)

\_\_\_ RANG 4200 Wildland Ecology (3) (S)

*Pre-req: RANG 3600*

\_\_\_ RANG 4400/4405 Wildland Restoration/Lab (4) (F)

*Pre-req: RANG 4200 & RANG 3800*

*AND one of the following:*

\_\_\_ AGSC 4100 Beef Cattle Management (3) (F)

*Pre-req: AGSC 1100; AGSC 2640, 3020, 3400 recommended*

\_\_\_ AGSC 4250 Sheep Management (3) (S Even)

*Pre-req: AGSC 1100, AGSC 2640, 3020, 3400 recommended*

\_\_\_ RANG 4000 Rangeland-Ungulate Anim. Rel. (3) (S)

*Pre-req: RANG 3600*

**Electives (39-41 credits, 5-8 upper-division)**

**General Agriculture Emphasis (17 CR.)**

In addition to the core, students will select a minimum of 17 semester credits to meet a specific interest or career goal. That goal may not be satisfied by the emphasis areas above. Examples might include agriculture journalism, equine, natural resources, GIS/GPS, or international agriculture.

**The program must be approved by an advisor, department chair, and the dean.**

**Electives (39-42 credits, 23-26 upper-division)**

**ADDITIONAL INFORMATION**

**Students are strongly encouraged to consult their advisor before selecting coursework.**

**Students must complete their major coursework with a C- grade or above.**

**A minor is not required**

**Courses over 10 years old will not be accepted.**

**Students must have 120 total credits/40 upper-division credits to graduate.**

**Pre-Requisites and the semester that courses are offered are subject to change. Please check the current catalog for updates.**

**F:** Fall courses

**S:** Spring courses

**M:** Maymester/Summer courses

*\*Courses that fulfill both Gen. Ed. And major requirements*

3/22/2017