

January 14, 2015

MEMORANDUM

TO: State Board of Regents

FROM: David L. Buhler

SUBJECT: Snow College- Certificate of Completion in Agribusiness and Associate of Applied Science Degree in Agribusiness with Emphases in Agribusiness and Management, Animal Science, Agronomy, and Range

Issue

Snow College requests approval to offer a Certificate of Completion in Agribusiness and an Associate of Applied Science Degree in Agribusiness with Emphases in Agribusiness and Management, Animal Science, Agronomy, and Range effective Fall Semester, 2015. These programs were approved by the institutional Board of Trustees on October 10, 2014.

Background

The proposed programs provide a background in agribusiness requiring a minimum of 32 credits for a certificate of completion and a minimum of 63 credits for an AAS degree. The certificate of completion stacks directly into the AAS degree so that students have an efficient pathway to marketable credentials as they pursue higher levels of educational attainment. While the programs are not necessarily designed for transfer, there are some baccalaureate programs within the Utah System of Higher Education that would be reasonable transfer options for graduates of the proposed programs.

The proposed AAS degree will allow students to select one of four areas of emphasis: Agribusiness and Management; Animal Science; Agronomy; and Range. The certificate of completion and the AAS degree are designed to prepare students to manage the business aspects of their own farm or ranch or to enter the job market at an entry-level or mid-level position in an occupation such as agriculture business management, livestock or crop production, agriculture sales, marketing, or natural resource management.

A recent Utah State University report, *The Economic Contribution of Agriculture to the Economy of Utah in 2011*, stated that the agricultural processing and the production agriculture sectors accounted for \$17.5 billion in total economic output. In Snow College's central Utah service area, from 2012 to 2013, the Utah Department of Workforce Services reported a 5.6% decrease in animal production, but a 4.0% increase in crop production employment, and a 47.4% increase in support services for agriculture and forestry. Snow College's service area represents some of the most productive

agricultural lands in the state, covering six rural counties. As such, it is well situated to provide these programs to students in its service region.

Trends for Snow College enrollment in agriculture courses show an increase, with class enrollment reaching and exceeding class size capacity. The institution reported that enrollment in agriculture courses has increased from 49 in 2011 to 141 in 2014.

Policy Issues

The proposed program has been developed through established institutional procedures and Board of Regents policy. Chief academic officers as well as faculty in related departments from the Utah System of Higher Education institutions have reviewed the proposal and have provided input. There are no additional policy issues that need to be addressed relative to approval of the program.

Commissioner's Recommendation

The Commissioner recommends the Board of Regents approve Snow College's request to offer the Certificate of Completion in Agribusiness and Associate of Applied Science Degree in Agribusiness with Emphases in Agribusiness and Management, Animal Science, Agronomy, and Range.

David L. Buhler
Commissioner of Higher Education

DLB/BKC
Attachment

Snow College
Certificate of Completion in Agribusiness
Associate of Applied Science Degree in Agribusiness with Emphases in Agribusiness and Management, Animal Science, Agronomy, and Range

Section I: The Request

Snow College requests approval to offer a Certificate of Completion in Agribusiness and an Associate of Applied Science Degree in Agribusiness with Emphases in Agribusiness and Management, Animal Science, Agronomy, and Range effective Fall Semester, 2015. These programs were approved by the institutional Board of Trustees on October 10, 2014.

Section II: Program Description

Complete Program Description

The agribusiness programs offer an educational background in agriculture business management requiring a minimum of 32 credits for a Certificate of Completion and 63 credits for an Association of Applied Science (AAS) degree in Agribusiness. The AAS degree is created on a stackable framework with the Certificate of Completion. The AAS in Agribusiness degree allows students to select one of four emphases including Agribusiness and Management, Animal Science, Agronomy, and Range. Students will be prepared to: 1) manage their own farm or ranch business; 2) return to the family farm/ranch with ability to create a plan to better manage the business; and 3) enter the job market at an entry or mid-level position in an agriculture-related business, such as agriculture business management, livestock or crop production, agriculture sales, marketing, or natural resource management. While the programs are not necessarily designed for transfer, there are some baccalaureate programs within the Utah System of Higher Education (USHE) that would be reasonable transfer options for graduates of the proposed programs.

Purpose of Degree

The Snow College agribusiness program will provide Farm/Ranch Business Management education to farmers and ranchers in the central Utah area. Students will be exposed to current and relevant agribusiness challenges and opportunities through Farm/Ranch Management connections by:

- Experiencing current challenges and opportunities of farmers/ranchers.
- Being exposed to real-life examples from farmers/ranchers when these examples are used in teaching, case studies, and class materials.
- Meeting with full-time farmers/ranchers through site visits to experience the actual context of agriculture business management.

A vast majority of students coming from farm and ranch backgrounds at Snow College understand and have been involved in the production side of agriculture but have not had experience in the business aspects of the family farm or ranch. Students completing requirements for the Certificate of Completion in Agribusiness can enter or return to a job in a field of agribusiness better prepared to succeed in their career. Students receiving the AAS degree in Agribusiness will have a foundation of agribusiness, general business, and general education courses that will provide an expanded business skillset and prepare them to be employed in many agriculture businesses that support production agriculture.

Institutional Readiness

Agribusiness courses have been offered for several years with growing student interest. Funding, staffing, and physical resources are currently in place to support the program. The proposed programs will be

housed in the Business and Applied Technologies Division. Program faculty will have opportunities for active collaboration with business faculty who teach in the various business disciplines. Agribusiness students will benefit from business classes such as Introduction to Business, Social Media Marketing, Entrepreneurship, Accounting, and QuickBooks for Small Business. Successful relationships with other academic divisions and with other departments within the division provide a balanced opportunity for student success in all four areas of emphasis.

Departmental Faculty

Department Faculty Category	Department Faculty Headcount – Prior to Program Implementation	Faculty Additions to Support Program	Department Faculty Headcount at Full Program Implementation
With Doctoral Degrees (Including MFA and other terminal degrees, as specified by the institution)			
Full-time Tenured	0	0	0
Full-time Non-Tenured	0	0	0
Part-time Tenured	0	0	0
Part-time Non-Tenured	1	0	1
With Master's Degrees			
Full-time Tenured	0	0	0
Full-time Non-Tenured	1	0	1
Part-time Tenured	0	0	0
Part-time Non-Tenured	1	1	2
With Bachelor's Degrees			
Full-time Tenured	0	0	0
Full-time Non-Tenured	0	0	0
Part-time Tenured	0	0	0
Part-time Non-Tenured	0	0	0
Other			
Full-time Tenured	0	0	0
Full-time Non-Tenured	0	0	0
Part-time Tenured	0	0	0
Part-time Non-Tenured	0	0	0
Total Headcount Faculty in the Department			
Full-time Tenured			
Full-time Non-Tenured	1	0	1
Part-time Tenured	0	0	0
Part-time Non-Tenured	2	1	3
Total Department Faculty FTE (As reported in the most recent A-1/S-11 Institutional Cost Study for "prior to program implementation" and using the A-1/S-11 Cost Study Definition for the projected "at full program implementation.")	2	0.4	2.4

Staff

Years: 1-3 – Maintain the two adjunct teachers.

3-5 - Add a third adjunct for a total of 3 adjuncts

Library and Information Resources

No additional library resources will be required. Currently, all the courses for the certificate and degree are being taught. Library resources are currently in place to support these courses.

Admission Requirements

No program-specific admission criteria will be implemented.

Student Advisement

Student advisement counselors will be informed of the new certificate and AAS degree. Once students interested in agriculture are identified and enrolled in one or more introductory agriculture classes, they will be encouraged to meet with the current full-time instructor to review the courses they have taken, the courses in which they are enrolled, and the courses they will need to take to fulfill program requirements.

Justification for Graduation Standards and Number of Credits

Credit hour requirements for the certificate and AAS degree are consistent with Board of Regent policy. Certificate of Completion credits are stackable into the 63 credits for the AAS in Agribusiness. The standards for graduation within the AAS program provide students an education that has a significant number of credits that are business-based. Additionally, general education credits provide for critical thinking, problem solving, communication, and quantitative reasoning.

External Review and Accreditation

Over the past few years, the program advisory committee for farm and ranch management courses served as the advisory committee as these new proposed programs were developed. The advisory committee indicated a need to offer a certificate and a degree in agribusiness with a selected group of emphasis areas. The recommendation for these new programs is in alignment with the Snow College's strategic plan for agriculture education and economic development in central Utah. The Agribusiness department's mission and purposes are harmonious for both agribusiness courses and farm and ranch management courses. Currently, there is no plan to seek specialized accreditation.

Projected Program Enrollment and Graduates; Projected Departmental Faculty/Students

Data Category	Current – Prior to New Program Implementation	PROJ YR 1	PROJ YR 2	PROJ YR 3	PROJ YR 4	PROJ YR 5
Data for Proposed Program						
Number of Graduates in Proposed Program	X	6	10	15	20	20
Total # of Declared Majors in Proposed Program	29	30	37	40	40	40
Departmental Data – For All Programs Within the Department						
Total Department Faculty FTE (as reported in Faculty table above)	2.0	2.0	2.0	2.2	2.2	2.4
Total Department Student FTE (Based on Fall Third Week)	21.9	24.8	27.6	30.4	33.2	36.1

Student FTE per Faculty FTE (ratio of Total Department Faculty FTE and Total Department Student FTE above)	10.95	12.4	13.8	13.82	15.09	15.01
Program accreditation-required ratio of Student FTE/Faculty FTE, if applicable: (Provide ratio here: Not Applicable_____)						

Expansion of Existing Program

The proposed Certificate of Completion and AAS in Agribusiness is an expansion of the current agribusiness offerings at the institution. These offerings have seen increased enrollment and student interest since 2011 when agribusiness was first offered at the institution.

Section III: Need

Program Need

The certificate and degree in agribusiness extends Snow College's role as a two-year institution to provide students interested in agriculture the opportunity to receive credentials that are specifically focused on its six-county rural service area. There are no other opportunities within the central Utah region for students to enter a one-year or two-year post-secondary agriculture program and to also receive an emphasis in a specific content area. The AAS degree will also provide a foundation for transfer to select four-year programs at other USHE institutions.

Labor Market Demand

The institution reported that a search on SimplyHired showed a 77 percent rise in agricultural job listings since October 2011. Sales representatives, customer-service representatives, sales managers and veterinarians topped the search engine's recent list of top occupations in agriculture.

Additionally, a recent Utah State University report, *The Economic Contribution of Agriculture to the Economy of Utah in 2011*, stated that the agricultural processing and the production agriculture sectors accounted for \$17.5 billion in total economic output (<http://ag.utah.gov/documents/EconomicContributionOfAgriculture2011.pdf>).

In Snow College's Central Utah service area, the Utah Department of Workforce Services reported a 4.0% increase in crop production employment, a decrease of 5.6% in animal production and a 47.4% increase in support services for agriculture and forestry from December 2012 to December 2013 (www.jobs.utah.gov/wi/pubs/industrybriefs/agriculture_central.pdf).

The institution reports that graduates who have taken agriculture and agribusiness classes have either returned to work on the family farm, started farming on their own, or moved to a four-year institution to work on a baccalaureate degree.

Student Demand

Trends for Snow College enrollment in agriculture courses have increased with class enrollment reaching and exceeding class size capacity. The institution reported that enrollment in agriculture courses has increased from 49 in 2011 to 141 in 2014.

The institution also reported that many students coming to Snow College from rural areas of Utah who enroll in agriculture classes desire to return to the farm and/or start their own farm business and would prefer a degree with a specialized area of study within agriculture.

Similar Programs

No other programs exist in Utah with the same structure and areas of emphasis for students as proposed by Snow College. Southern Utah University (SUU) offers two related AAS programs, an AAS in Livestock Farm Management, and an AAS in Equine Management. Both of SUU's degrees emphasize production with less focus on agribusiness. Utah State University (USU) offers an AAS in Agriculture Mechanics. Unlike these related programs, Snow College's proposed AAS in Agribusiness degree is highly business-based.

Collaboration with and Impact on Other USHE Institutions

The institution reports that discussion and collaboration has occurred with USU academic advisors in the School of Applied Sciences, Technology and Education. It is anticipated that Snow College's AAS in Agribusiness will have little impact on SUU's AAS Livestock Farm Management or AAS Equine Studies, or on USU's AAS Agriculture Mechanics. Students who choose to attend Snow College do so out of a desire to participate in a smaller, more personal campus experience and prefer to take courses at a smaller institution for their first years of college rather than the larger universities. It is believed that the proposed AAS in Agribusiness will not take students away from either SUU's or USU's programs.

Benefits

With Snow College's role in its central Utah service area, the institution is seeking ways to position program and degree offerings that are attractive to rural students. Evidence of the institutional benefit is seen by the increased enrollment over the past four years in agriculture business courses. Also, the Snow College Rodeo team (started in 2013 as a sanctioned event by the National Intercollegiate Rodeo Association) brought 46 students to Snow College. Of this group, 18 have selected agribusiness as their intended major.

Consistency with Institutional Mission

Snow College's mission provides for a tradition of excellence, a culture of innovation, and an atmosphere of engagement to advance students in the achievement of their educational goals. The proposed programs support mission fulfillment by providing targeted educational opportunities for students from the six-county area interested in agriculture.

Section IV: Program and Student Assessment

Program Assessment

Students in agribusiness should expect to gain an understanding of business principles as they relate to farms and ranches and agricultural businesses that support production agriculture. Students will be able to articulate the connections between business principles within all segments of agriculture. Students will acquire the communication skills to present ideas and proposals in a logical and accurate way both orally, in writing, and in presentation format. In-class and out-of-class presentations will provide opportunities to formulate, organize, and present perspectives and insights into agriculture. Students will gain an understanding of both local, regional and national agriculture business relationships and trends. They will acquire the ability to recognize strengths and weaknesses of a business based on industry benchmarks, and they will gain experience in developing and monitoring management plans that improve a business' economic strength. Students will be able to use current technology to accomplish tasks in a changing agriculture environment, with experiences using spreadsheets, Word documents, presentation, accounting,

and analysis software. These software applications will be taught within the courses and applied to agriculture needs.

Expected Standards of Performance

A student who completes an AAS degree in Agribusiness at Snow College should expect to leave with the following outcomes.

Acquire substantive knowledge

- Students will understand the fundamentals of agriculture business and the relationship of business to the agriculture industry
- Students will understand that agriculture business encompasses production, financing, processing and marketing of food and fiber products

Communications

- Students will be able to organize and effectively present a business plan using a variety of presentation methods
- Students will be able to produce clear, concise, purposeful and grammatically correct written documents

Computation

- Students will demonstrate knowledge of local and national agriculture businesses and evaluate strengths and weaknesses using industry benchmarks
- Students will be able to use industry standard software to calculate and perform accurate calculations to summarize data effectively

Professionalism

- Agriculture business students will apply high level business and agriculture skills to real world applications necessary to support and grow the agricultural industry
- Students will be able to articulate an educational plan that meets their educational and career needs

Technology

- Students will be able to effectively use business technology to accomplish tasks in a dynamic and changing agriculture industry
- Students will be able to produce professional-looking documents and projects using industry standard technology

Students who complete an AAS in Agribusiness have also obtained all AAS required general education requirements, which are separately assessed by the college. These competencies are valued by the industry and reflect employer expectations identified by the advisory committee.

Section V: Finance

Department Budget

Three-Year Budget Projection							
Departmental Data	Current Departmental Budget – Prior to New Program Implementation	Departmental Budget					
		Year 1		Year 2		Year 3	
		Addition to Budget	Total Budget	Addition to Budget	Total Budget	Addition to Budget	Total Budget
Personnel Expense							
Salaries and Wages	114,285	7,500	121,785	7,500	129,285	7,500	136,785

Benefits	66,768	0	66,768	0	66,768	0	66,768
Total Personnel Expense	181,053	7,500	188,553	7,500	196,053	7,500	203,553
Non-Personnel Expense							
Travel	2,500	0	2,500	500	3,000	500	3,500
Capital	5,000	0	5,000	500	5,500	500	6,000
Library	0	0	0	0	0	0	0
Current Expense	8,000	0	10,000	500	10,500	500	11,000
Total Non-Personnel Expense	17,500	0	17,500	1,500	19,000	1,500	20,500
Total Expense (Personnel + Current)	196,553	7,500	206,053	9,000	215,053	1500	224,053
Departmental Funding							
Appropriated Fund	118,180	2,000	120,180	2,000	122,180	2,000	124,180
Other:							
Special Legislative Appropriation	0	0		0		0	
Grants and Contracts	78,794		86,180	0	93,000		100,000
Special Fees / Differential Tuition	0	0	0	0	0	0	0
Total Revenue	196,974	0	206,360	0	215,180	0	224,180
Difference							
Revenue-Expense	421	\$	307	\$	127	\$	127
Departmental Instructional Cost / Student Credit Hour* (as reported in institutional Cost Study for "current" and using the same Cost Study)	291		291		291		291

Funding Sources

Existing budgets and resources will support the program's needs. The Agribusiness Department has a five-year history of securing grants through the United States Department of Agriculture (USDA) Risk Management Education and the USDA Benchmarking programs. It is anticipated that these grants will continue into the foreseeable future.

Reallocation

No reallocation of funds is expected.

Impact on Existing Budgets

The current Agribusiness Department budget will absorb the costs of implementing the degree. All classes required for the Certification of Completion or the AAS degree in Agribusiness are currently in place and offered in the Business and Applied Technologies Division, the Natural Science and Mathematics Division, and the Social and Behavioral Science Division.

No additional library resources will be required. Currently, all the courses for the certificate and degree are being taught and the needed library academic resources and educational materials are currently available.

Section VI: Program

Curriculum All Program Courses Certificate of Completion Agribusiness

Course Prefix and Number	Title	Credit Hours
ENGL 1010	Expository Composition	3
AGBS 1010	Fundamentals of Animal Science	4
AGBS 1100	Agriculture Career Exploration	2
AGBS 2020	Intro. to Agricultural Economics & Agribusiness Mgt.	3
AGBS 2030	Analysis and Decision Making	3
BUS 1010	Introduction to Business	3
BUS 1060	QuickBooks for Small Business	3
BUS 1170	Team and Interpersonal Dynamics	3
BUS 1210	Personal Finance	3
BUS 1600	Entrepreneurship Seminar	2
BUS 1300	Social Media Marketing	3
	Sub Total	32

AAS Agribusiness

Course Prefix and Number	Title	Credit Hours
<u>General Education</u>		
ENGL 1010	Expository Composition	3
AGBS 1715 or MATH 1030 or MATH 1040	Technical Math or Quantitative Literacy or Intro to Statistics	3
BUS 1170	Team and Interpersonal Dynamics	3
ECON 1740	US Economic History	3
Fine Arts	Any Class that meets the Fine Arts GE Requirement	3
Humanities	Any Class that meets the Humanities GE Requirement	3
BIOL 1010	General Biology (Agronomy Emphasis BIOL 1610)	3
BIOL 1015	General Biology Lab (Agronomy Emphasis BIOL 1615)	1
	Sub Total	22
<u>Required Courses</u>		
AGBS 1010	Fundamentals of Animal Science	4
AGBS 1100	Agriculture Career Exploration	2
AGBS 2020	Intro. to Agricultural Economics & Agribusiness Mgt.	3
AGBS 2030	Analysis and Decision Making	3
BUS 1010	Introduction to Business	3
BUS 1060	QuickBooks for Small Business	3
BUS 1300	Social Media Marketing	3
	Sub Total	21
<u>Areas of Emphasis</u>		
	<u>Agribusiness & Management</u>	
PHSC 1000	Interdisciplinary Physical Science	3

BUS 1210	Personal Finance	3
BUS 1600	Entrepreneurship Seminar	2
ACCT 2010	Financial Accounting	3
ACCT 2020	Managerial Accounting	3
ECON 2010	Introduction to Microeconomics	3
ECON 2020	Introduction to Macroeconomics	3
	Sub Total	20
	<u>Animal Science</u>	
PHSC 1000	Interdisciplinary Physical Science	3
BUS 1600	Entrepreneurship Seminar	2
AGBS 2200	Anatomy & Physiology of Domestic Animals	3
AGBS 2205	Anatomy & Physiology of Domestic Animals (Lab)	1
AGBS 2400	Livestock Feeds and Feeding	4
NR 2040	Introduction to Range Management	3
NR 2050	Range Management and Monitoring	4
	Sub Total	20
	<u>Agronomy</u>	
PHSC 1000	Interdisciplinary Physical Science	3
BIOL 1610	Biology I	4
BIOL 1615	Biology I Lab	1
BIOL 2300	Plant Taxonomy	3
BIOL 2305	Plant Taxonomy Lab	1
NR 2040	Introduction to Range Management	3
NR 2060	Survey of Hydrology	3
NR 2805	Short Term Training in Natural Resources	2
	Sub Total	20
	<u>Range</u>	
BIOL 2300	Plant Taxonomy	3
BIOL 2305	Plant Taxonomy Lab	1
AGBS 2400	Livestock Feeds and Feeding	4
NR 2040	Introduction to Range Management	3
NR 2050	Range Management and Monitoring	4
NR 2060	Survey of Hydrology	3
NR 2805	Short Term Training in Natural Resources	2
	Sub Total	20
	Total Number of Credits	63

Suggested Class Schedule
Certificate of Completion Agribusiness

<u>Fall</u>		Total		17
<u>Class</u>	<u>Credits</u>		<u>Spring</u>	
AGBS 1010	4		<u>Class</u>	<u>Credits</u>
AGBS 1100	2		AGBS 2020	3
BUS 1010	3		AGBS 2030	3
BUS 1300	3		BUS 1060	3
BUS 1210	3		BUS 1170	3
BUS 1600	<u>2</u>		ENGL 1010	<u>3</u>
			Total	15

Agribusiness Associate of Applied Science Degree Areas of Emphasis and Suggested Class Schedules

Agribusiness & Management Emphasis

<u>Fall Freshman Year</u>		<u>Spring Freshman Year</u>	
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>
AGBS 1010	4	BIOL 1010	3
AGBS 1100	2	BIOL 1015	1
BUS 1010	3	BUS 1170	3
ENGL 1010	3	AGBS 2020	3
BUS 1210	3	PHSC 1000	3
BUS 1600	<u>2</u>	MATH	<u>3</u>
Total	17	Total	16

<u>Fall Sophomore Year</u>		<u>Spring Sophomore Year</u>	
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>
ACCT 2010	3	AGBS 2030	3
ECON 2010	3	BUS 1060	3
BUS 1300	3	ACCT 2020	3
FA or HU	3	ECON 1740	3
FA or HU	<u>3</u>	ECON 2020	<u>3</u>
Total	15	Total	15

Animal Science Emphasis

Fall Freshman Year

<u>Class</u>	<u>Credits</u>
AGBS 1010	4
AGBS 1100	2
BUS 1010	3
ENGL 1010	3
PHSC 1000	3
<u>BUS 1600</u>	<u>2</u>
Total	17

Fall Sophomore Year

<u>Class</u>	<u>Credits</u>
AGBS 2200	3
AGBS 2205	1
BUS 1060	3
BIOL 1010	3
BIOL 1015	1
<u>BUS 1300</u>	<u>3</u>
Total	14

Spring Freshman Year

<u>Class</u>	<u>Credits</u>
NR 2040	3
AGBS 2400	4
AGBS 2020	3
MATH	3
<u>FA or HU</u>	<u>3</u>
Total	16

Spring Sophomore Year

<u>Class</u>	<u>Credits</u>
AGBS 2030	3
BUS 1170	3
NR 2050	4
FA or HU	3
<u>ECON 1740</u>	<u>3</u>
Total	16

Agronomy Emphasis

Fall Freshman Year

<u>Class</u>	<u>Credits</u>
AGBS 1100	2
BUS 1060	3
BIOL 1010	3
BIOL 1015	1
BUS 1010	3
<u>NR 2040</u>	<u>3</u>
Total	15

Fall Sophomore Year

<u>Class</u>	<u>Credits</u>
AGBS 1010	4
BIOL 2300	3
BIOL 2305	1
BUS 1300	3
NR 2060	3
<u>FA or HU</u>	<u>3</u>
Total	17

Spring Freshman Year

<u>Class</u>	<u>Credits</u>
AGBS 2020	3
BIOL 1610	4
BIOL 1615	1
ENGL 1010	3
PHSC 1000	3
<u>NR 2805</u>	<u>2</u>
Total	16

Spring Sophomore Year

<u>Class</u>	<u>Credits</u>
AGBS 2030	3
BUS 1170	3
ECON 1740	3
MATH	3
<u>FA or HU</u>	<u>3</u>
Total	15

Range Emphasis

Fall Freshman Year

<u>Class</u>	<u>Credits</u>
AGBS 1010	4
AGBS 1100	2
BUS 1010	3
BUS 1060	3
FA or HU	3
Total	15

Fall Sophomore Year

<u>Class</u>	<u>Credits</u>
BIOL 2300	3
BIOL 2305	1
NR 2040	3
NR 2060	3
BUS 1300	3
FA or HU	3
Total	16

Spring Freshman Year

<u>Class</u>	<u>Credits</u>
BIOL 1010	3
BIOL 1015	1
BUS 1170	3
AGBS 2020	3
ENGL 1010	3
MATH	3
Total	16

Spring Sophomore Year

<u>Class</u>	<u>Credits</u>
AGBS 2030	3
AGBS 2400	4
NR 2050	4
NR 2805	2
ECON 1740	3
Total	16

Section VII: Faculty

Jay Olsen - BS in Ag Economics, MS in Animal Science

Employed at Snow College 17 years

Farm/Ranch Business Management instructor, 12 years

Department Director of Agriculture and Farm/Ranch Business Management, 5 years

Full-time faculty

Assistant Rodeo team coach

Two adjuncts:

1 - Chris Larsen - Doctor Veterinary Medicine

1 - Russell Yardley – MS, Animal Nutrition