

## Bachelor of Interdisciplinary Studies

**Department Chair:** Cynthia B Wright  
GC 203F ~ (435) 586-7798  
**Department Secretary:** Paula Lambeth  
GC 203 ~ (435) 865-8321

**Academic Advisor:** Deborah Franklin  
Science 311 ~ (435) 865-8703  
franklin@suu.edu  
Website: <http://www.suu.edu/sci/agns/>

### FACULTY:

*Professor:* Cynthia B. Wright; *Associate Professor:* Dean L. Winward; *Assistant Professor:* Lee Wood; *Farm and Ranch Manager:* Kirt M. Bussio; *Technician:* Jan M. Burr

### Agricultural Science and Industries.

Agricultural Science and Industry Bachelor of Interdisciplinary Studies	
Course Number and Title	Credits
<b>General Education Core (See page 105)</b>	
Core Course Requirements	17-18
Knowledge Areas Requirements (must take AGSC 1010)	19
<b>Agriculture Core (29 hours)</b>	
AGSC 1100 Principles of Animal Science	3
AGSC 1110 Crop Production	3
AGSC 1120 Crop Production Lab	1
AGSC 1990 Agriculture Leadership	1
AGSC 3020 Agribusiness Management	3
AGSC 3400 Feeding & Nutrition of Horses & Livestock	3
AGSC 3410 Feeding and Nutrition Lab	1
AGSC 3560 Soil Science	3
AGSC 3570 Soil Science Lab	1
AGSC 4990 Agriculture Seminar	1
ECON 2010 Principles of Microeconomics	3
ACCT 2010 Accounting Principles	3
ENGL 2040 Professional Business Writing Or	3
COMM 4240 Technical Report Writing	
<b>Select one of the following sets of courses:</b>	
<b>Agribusiness (18 hours)</b>	
ACCT 2020 Managerial Accounting	3
MKTG 3010 Marketing Principles	3
ACCT 2360 Business Law	3
MGMT 3180 Management Organization	3
3000 – LEVEL *Two Courses Plant or Animal Mgt (AGSC Prefix)	6
<b>Animal Science and Industries (17 hours)</b>	
AGSC 3150 Genetics of Livestock & Horse Improvement	3
AGSC 3500 Applied Reproduction in Livestock and Horses	3
AGSC 3510 Reproduction Lab	1

BIOL 3060 Genetics	3
BIOL 3065 Genetics Lab	1
3000 – LEVEL *Animal Management (AGSC Prefix)	6
<b>Plant Science and Industries (18 hours)</b>	
AGSC 3030 Forages	3
AGSC 3040 Forages Lab	1
AGSC 3230 Pests and Pest Management	3
AGSC 3240 Pest Mgt. Lab	1
AGSC 3700 Principles of Irrigation	3
AGSC 3710 Irrigation Lab	1
AGSC 3000 LEVEL – Plant Science (AGSC prefix)	6
*Up to 3 credit hours of AGSC 3600, Directed Studies, may be substituted.	
<b>General Agriculture (17 hours)</b>	
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 emphasis areas above. Examples might include agriculture, journalism, natural resources, GIS/GPS, international agriculture. The program must be approved by an advisor, department chair, and the dean.	
(Note: Set apart from General Agriculture Emphasis) Free Electives	37-38
<b>Total Credits, B.I.S. degree</b>	<b>120</b>

Other degrees in Interdisciplinary Studies may be generated in other disciplines. Contact appropriate Dean for information.

## Honors Program

**Advisor:** Matt Nickerson  
Sharwan Smith 177H ~ (435) 586-1955  
Website: <http://www.suu.edu/honors/>

### Mission Statement

The Honors Program provides enrichment opportunities for exceptionally talented, creative and academically committed students in a friendly, informal, and inter-disciplinary undergraduate experience. The program connects students with SUU's best faculty through small classes and participation in out-of-class activities. Students learn in a collaborative environment where their ideas and research carry respect. As a community of scholars, students and faculty work enthusiastically to achieve the following objectives:

- To understand complex issues from diverse perspectives.
- To process similarities and differences of how scholars in science, fine arts, humanities, or social science see their world.
- To develop skills in self-expression, critical thinking, information gathering and problem solving.
- To write analytical or scientific papers of substantial length and depth.
- To volunteer for service projects both on campus and in the community.

- To provide a competitive advantage for students desiring to pursue graduate education.

Additionally, honor students attend colloquials featuring artists, academics, native people, or political leaders. They participate in roundtable discussions and social events with faculty and other honor students.

### REQUIREMENTS

The Honors Program is open to freshmen, sophomores, juniors, and seniors. Registration for an honors course requires either admittance to the Honors Program or permission of the instructor. Students must complete an application, write a two page essay on a topic of their choice, and have at least a 3.5 grade point average and a 25 ACT score to be admitted to the Honors Program. Students may take more than one honors course each semester. All classes will have a limit of 25 students

Contact the honors advisor, or the Honors Program secretary, for approval to register for honors courses, Student Success Center 177H. You may contact the honors director by phone at (435) 586-1955, by e-mail honors@suu.edu, or by sending mail to the Honors Program, 351 W University Blvd, Cedar City, UT 84720.

University Honors is not a major or a minor but includes classes that students take when completing requirements for general education, for a major, for a minor or as electives.

Students can graduate with University Honors if they complete 10 lower division credits and 10 upper division credits totaling 20 credits in Honors designated courses and complete an Honors thesis (HONR 4970, and HONR 4971). Students must also earn a 3.5 Cumulative GPA.

Contact the honors advisor for admission forms or for a list of additional honors classes for 2005-2006.

## PRE-HEALTH SCIENCE PROFESSIONS

### PRE-MEDICINE

**Biology:** Joann S. Bowns - Science 116, (435) 586-7927  
**Physical Science:** J. Ty Redd - Science 208, (435) 586-7904  
<http://www.suu.edu/academics/prehealth.html#premed>

Admission to medical school is based on the following criteria: (1) excellent grades in undergraduate coursework, especially in science, (2) high scores on the Medical College Admission Test (MCAT), (3) interviews with medical school faculty. Medical schools do not require specific undergraduate majors for admission; however, most applicants major in biology or chemistry. Generally, medical schools require the following courses, which may be integrated into many majors:

Biology – one year	BIOL 1610, 1615, 1620, 1625
General chemistry – one-year	CHEM 1210, 1215, 1220, 1225
Organic chemistry – one year	CHEM 2310, 2320, 2325
Physics – one year	PHYS 2010, 2015, 2020, 2025
English – one year	
Seminar – one semester	BIOL 4990 or CHEM 4990
Seminar – one semester	BIOL 3990

In addition, mathematics through calculus is strongly recommended. Students who earn advanced placement or CLEP credit for the above courses must fill the requirements by taking alternative courses.

The MCAT is required for application to almost all medical schools.

The test is offered in the fall and spring each year and scores are submitted with the application in early fall of the year prior to planning entrance to medical school. Most students should plan to take the MCAT in the spring of their junior year in college. Most medical schools require applications compiled through the American Medical College Application Service (AMCAS). For AMCAS material, see advisor.

Students planning to attend medical school are strongly urged to contact their advisor immediately upon enrolling. Similar general considerations apply to students who plan to attend chiropractic, optometric or podiatric schools.

### PRE-DENTISTRY

**Biology:** Helen C. Boswell - Science 112, (435) 865-8163  
**Physical Science:** J. Ty Redd - Science 208, (435) 586-7904  
<http://www.suu.edu/academics/prehealth.html#predentistry>

Typical entrance requirements to dental school include:

Biology – one year	BIOL 1610, 1615, 1620, 1625
General chemistry – one year	CHEM 1210, 1215, 1220, 1225
Organic chemistry – one year	CHEM 2310, 2320, 2325
Physics – one year	PHYS 2010, 2015, 2020, 2025
Seminar – one semester	BIOL 3990

In addition to these courses many dental schools require one year of English composition and recommend coursework in social sciences, business, foreign language, and art, especially sculpture. No majors are specified. A four-year baccalaureate degree is not required and students may apply for admission as soon as they have completed the required courses.

The Dental Admission Test (DAT) is required of all applicants to dental school. The test is offered in the fall and spring of each year and scores are submitted with applications in the fall of the year prior to planned entrance to dental school. Most dental schools require applications compiled through the American Association of Dental Schools Admissions Service (AADSAS). For AADSAS material inquire of the advisor.

The state of Utah does not have a dental school, but participates with Creighton University in Omaha, Nebraska, in a cooperative dental school program with tuition support. Students must be admitted to Creighton University in the usual manner, then apply for support under the cooperative program. Information about this program is available through the advisor.

All students interested in careers in dentistry are strongly urged to consult the advisor before selecting courses every semester.

### PRE-VETERINARY MEDICINE

**Agriculture Science:** Cindy Wright - GC 203 (435) 586-8321  
<http://www.suu.edu/academics/prehealth.html#prevet>

Preparation for veterinary school application ordinarily includes:

General chemistry – one year	CHEM 1210, 1215, 1220, 1225
Organic chemistry – one year	CHEM 2310, 2320, 2325
Biochemistry – one semester	CHEM 4110
Biology – one year	BIOL 1610, 1615, 1620, 1625
Genetics – one semester	BIOL 3060, 3065
Physics – at least one semester of science-based physics	PHYS 2010, 2015
Math – statistics – one semester	Math 1040
Math – College algebra or higher	Math 1050

Required minimum course work in the sciences, English, behavioral and social sciences, and humanities varies widely among schools of veterinary medicine. While applications can be made after approximately two years of concentrated pre-veterinary course

## Other Programs of Study

work, veterinary schools report about four years of undergraduate study is typical of entering veterinary students.

Veterinary schools do not require a specific undergraduate major; however, the departments of agriculture and nutrition science and biology cooperate closely in offering students the appropriate combination of courses and experiences to meet admission requirements. An SUU Bachelor's Degree in biology with complementary elective courses or a minor in agriculture/animal science can be earned in approximately four years and is excellent preparation for veterinary school or graduate studies in animal sciences or biology. A second option is the BIS degree in Agricultural Science and Industries with an appropriate concentration of biological and physical science courses incorporated into a general agriculture emphasis.

Above-average grades and satisfactory scores on the Veterinary Medicine Aptitude Test (VMAT) or the Graduate Record Exam (GRE) are required for admission to a school of veterinary medicine. Most applicants take the examination in the spring of their third year at SUU and apply to veterinary school in the fall of their senior year.

Utah does not have a school of veterinary medicine but participates with other states in cooperative programs with tuition support. Since requirements and application procedures vary among veterinary schools, students should consult with the advisor before selecting courses every semester.

### PRE-OPTOMETRY

**Biology:** Joann S. Bowns - Science 116, (435) 586-7927

**Physical Science:** J. Ty Redd - Science 208, (435) 586-7904  
<http://www.suu.edu/academics/prehealth.html#preoptometry>

Minimum requirements for application to optometry school include:

Biology – one year	BIOL 1610, <b>1615</b> , 1620, <b>1625</b>
General chemistry – one year	CHEM 1210, 1215, 1220, 1225
Organic chemistry – one year	CHEM 2310, 2320, 2325
Physics – one year	PHYS 2010, 2015, 2020, 2025
English – one year	
Mathematics	MATH 1050, 1060, 1210
Behavioral Science 3-6 cr hrs	
Seminar – one semester	BIOL 3990

Additional coursework in statistics is recommended. Applicants may be admitted after two years of undergraduate work but preference is given to students who have completed three or four years.

The Optometry College Admission Test (OCAT) is required of all applicants. The test is offered in the fall and spring of each year and scores are typically sent with applications in the fall of the year prior to planned admission to optometry school.

### PRE-PHARMACY

**Physical Science:** J. Ty Redd - Science 208, (435) 586-7904  
<http://www.suu.edu/academics/prehealth.html#prepharmacy>

Pharmacy is an undergraduate major not available at SUU. Students intending a career in pharmacy should plan to complete two years of preparatory work at SUU and then transfer to a pharmacy program.

The pharmacy degree requires general education courses which can be completed at SUU. Preparatory coursework typically includes:	BIOL 1610, <b>1615</b> , 1620, <b>1625</b> ; CHEM 1210, 1215, 1220, 1225 2310, 2320, 2325; MATH 1050, 1060, 1210; and PHYS 2010, 2015, 2020, and 2025.
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The Pharmacy College Admission Test (PCAT) is required. Applications must be completed before mid-June of the year of admission to pharmacy school.

### PRE-ALLIED HEALTH SCIENCES

**Biology:** Dean of Science 310, (435) 586-7920

<http://www.suu.edu/academics/prehealth.html#preallied>

A variety of professions are included in this category including medical technology, physical therapy, radiological technology, cytotechnology, dental hygiene and respiratory therapy. All of these professions require training not available at SUU. Some are undergraduate majors at other institutions; some are post-graduate training programs of varying durations; and some are available in both forms. Since entrance requirements and application procedures are so variable, students must consult the advisor each semester to outline courses of study appropriate for their personal goals.

### PRE-LAW PROFESSION

#### PRE-LAW

**Social Sciences:** Rodney D. Decker or Dianne Werber  
 CN 225N (435) 586-7898

<http://www.suu.edu/hss/polsci/programs.html>

#### Pre-legal education

The student's undergraduate GPA and his/her score on the Law School Admission Test (LSAT) are the primary factors on which admission decisions are based. The importance of these factors cannot be overestimated.

There is no established major for pre-law students. It is suggested that the pre-law student choose a major which interests him/her and supplement this curriculum with as many courses from other areas as possible. In addition to this, the pre-law student should read widely in areas outside the major. Developing the ability to teach oneself will be essential throughout one's career.

Curriculum guidance is readily available and students considering entering the legal profession are urged to consult with a pre-legal advisor early in their undergraduate career. The following areas of study encompass these suggested courses which prepare students for the study of law: Oral and written communication, history and government, economics, mathematics, social and behavioral sciences, science and engineering, business, computer science, political science.

#### Grades

Good grades are essential to those interested in being accepted at a well-regarded school. However, it should be clear that one does not benefit from being so grade conscious that the major criterion for course selection becomes the likelihood of receiving an "A." Challenging, thought-provoking courses are the best way to prepare for the LSAT, for success in law school, and a member of the legal profession.

#### LSAT

The LSAT is the second major factor considered by law schools in determining admissibility. The test measures abilities and skills related to problem identification, analysis, logical reasoning, and reading. In addition, the LSAT includes a written essay, copies of which will be sent to individual law schools to enable them to evaluate a candidate's writing ability.

## ATHLETICS

**Director of Athletics:** Thomas Double  
**Assist. Director of Athletics/Compliance SWA:** Myndee Larsen  
 Harris Center ~ (435) 586-1937  
 Website: <http://www.suu.edu/athletics/>

### Staff

Marlene Barth, Scott Bauman, Dan Bennion, Ken Carillo, Richard Church, Kevin Clune, David Eldredge, Bill Evans, Neil Gardner, Tony Giannotti, Laura Gonsalves, Ali Gressmen, Shannon Henrie, Jodi Hermanek, Joe Hillock, Eric Houle, Steve Johnson, Lenny Lee, Marsha Leeder, Jared Martin, Wes Meier, Tami Melton, Ricky Mendini, Jeramie Murray, Alena Ogden, Mark Rinehart, Aaron Roderick, Sam Sharp, Kalani Sitaki, Brian Stock, Julie Strand, Gisele Terrones, Cole Wilson.

### Mission Statement

Southern Utah University's Athletic Department is dedicated to providing quality programs that assist in complimenting and fulfilling the University's educational objectives and mission.

The athletic program adheres to the policies and procedures of the NCAA and the rules of any conference, league or association of which it is a member.

The Athletic Department is committed to excellence in academics as well as athletics and focuses on fielding competitive teams at the Division 1 level. Participation in intercollegiate athletics is an integral part of the student's overall educational experience.

The University strives to reach the highest possible graduation rate for all of its student-athletes while focusing on their social, cultural and intellectual development.

The Athletic Department recognizes the importance of equity in all of its programs and promotes diversity in both student-athletes and staff. Student-athletes, coaches and all others associated with intercollegiate athletics are expected to embrace the principles of sportsmanship and ethical conduct.

The intercollegiate program competes at the NCAA Division I level in the sports of men's and women's basketball, men's and women's cross country, women's tennis, women's softball, men's golf, baseball, women's gymnastics, and men's and women's indoor and outdoor track and field, women's soccer, and I-AA football.

### Physical Education/ Intercollegiate Athletics Courses

Participation in fitness courses and intercollegiate athletics is encouraged for all eligible students. Fitness courses are available to all students. However, to compete in intercollegiate athletics, a student must enroll in the appropriate physical education courses, have a medical examination, and obtain permission of the instructor. Further, a student must be declared eligible under NCAA and conference rules. Some courses may be repeated for credit.

## ETHNIC STUDIES

**Coordinator:** Lynne Brown  
 SUU Multicultural Center  
 Sharwan Smith Center ~ (435) 586-7771  
 Website: <http://www.suu.edu/ss/mcc/>

Academic enrichment programming with a multicultural emphasis is offered for HIST 2920/4920 credit. Course work is based on lectures, workshops, book and film discussions and panel discussions relative to the issue of ethnic minorities, and in conjunction with African-American focus, Native American focus, as well as other cultural awareness programs.

**International Studies Coordinator:** Lynne Brown  
 SUU Multicultural Center  
 Sharwan Smith Center ~ (435) 586-7771

Fall semester of each year an International Studies Focus Week delivers to campus a variety of speakers, films and discussion groups designed to provide an orientation to and awareness of international issues and cultural diversity. Various guest faculty and campus faculty are involved in creating annual programming as well as in lecturing and leading discussions during International Week. HIST 2920/4920 credit is offered.