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## Department of Applied Science

**Department Chair: Daniel R. Dail**

**GC 406L**

**(435) 586-7923**

**Department Secretary: Shari Grider**

**GC 406**

**(435) 865-8321**

### FACULTY LIST

*Professor:* Cynthia B. Wright;

*Associate Professors:* Bonnie K. Bishop, Shawn Christiansen, Daniel R. Dail, Rea Gubler, Artis Grady, Constance W. Nyman, Dean L. Winward; *Assistant Professors:* Gregory S. Colf, Kathy Croxall, Matthew Schmidt; Lee Wood

*Professional in Residence:* Robert Robertson

website: <http://www.suu.edu/sast/sci/>

### Degrees Offered

#### Bachelor of Interdisciplinary Studies:

- Agricultural Science and Industry (with emphases in Agribusiness, Animal Science, Plant Science and General Agriculture)

#### Bachelor of Arts and Bachelor of Science:

- Biology with an Agricultural Science or Pre-veterinary Advisement Option (consult Biology section of catalog)
- Family and Consumer Sciences (emphases in Early Childhood Development, Interior Design, and Nutrition and Food Science)
- Family and Consumer Sciences Education (Composite Degree)

#### Associate of Applied Science

- Agriculture: Livestock Farm Management
- Early Childhood Development
- Information Systems Applications (with emphases

in Networking and Telecommunications or User Support Services)

- Interior Design

#### Minors

- Agriculture
- Early Childhood Development
- Interior Design
- Nutrition and Food Science

### CERTIFICATES, LICENSURE

#### Certificates

- Agriculture: Livestock Farm Management
- Information and Office Systems Technology

#### Licensure

- Family & Consumer Sciences Education

### SUMMARY OF FIELDS OF STUDY

Agriculture  
Family and Consumers Sciences  
Information Systems Applications

### DEPARTMENT STATEMENT

#### Expanded Statement of Institutional Purpose

The applied science department reflects the mission of the School of Applied Science and Technology (SAST) that was accepted in 2002 as commensurate with the mission, vision, and goals of the

university. Because of the unique configuration of the department, sub-missions for each division exist, including Agriculture (AGSC), Family and Consumer Sciences (FCS), and Information Systems Applications (ISA). The composite mission of the department of applied science is to provide certificate, associate, and baccalaureate opportunities in AGSC, FCS, and ISA to those students whose interests are primarily applications oriented. The department is also involved in related scholarship of application, secondary licensure (FCS), industry certifications, and service activities. Through well educated, professionally qualified faculty and staff, excellent physical resources (classes and labs), and generous experiential learning opportunities, the department demonstrates how its mission embraces each of the five university mission items that "provide students a personalized learning environment to foster meaningful experiences involving the mind, heart and hands."

### AGRICULTURE

**Program and Resource Coordinator: Dean L. Winward**

**Location: GC 406J**

**(435) 586-7887**

**Department Secretary: Shari Grider**

**Location: GC 406**

**(435) 865-8321**

### FACULTY LIST

*Associate Professors:* Daniel R. Dail; Dean L. Winward;

*Assistant Professor:* Lee Wood; *Farm and Ranch Manager:* Kirt M. Bussio; *Technician:* Jan M. Burr

### Mission Statement

The mission of the agriculture division is to offer all students the opportunity to understand the discipline of agriculture as an applied science and a model for the principles of bioeconomics. The agriculture program is closely allied to the concept of service to the agricultural community. Recognizing the diversity of agriculture, faculty will articulate partnerships with colleagues and programs across the university campus. The agriculture program demonstrates teaching excellence by maintaining a faculty of well-educated and experienced agriculturalists. The agriculture program promotes a strong, hands-on, structured learning atmosphere and provides opportunities for independent inquiry and scholarship of application by students.

### Goals Statement

1. Through a broad offering of one, two, and four-year programs, the agriculture division prepares students for careers in agricultural science and industry, farm and ranch management, and related public or private service.
2. The agriculture division prepares students to pursue advanced degrees or admission to a professional school upon completion of their work in the agriculture program at SUU.

### Intended Outcomes/Objectives

1. Students will demonstrate knowledge and applications-based competency in their particular certificate program, degree, and emphasis (i.e., Certificate in Livestock Farm Management; AAS in Livestock Farm Management; BIS in Agricultural Science and Industry with an emphasis in agribusiness, animal science, plant science, or general agriculture; pre-veterinary studies).
2. Students will use scientific methodology, employ critical thinking skills and apply appropriate tools/methods/theories to address problems, carry out investigations, and meet the challenges of

Effective July 1, 2004 the divisions within the department of Applied Science moved.

Agriculture and Nutrition Science moved to the College of Science. <http://www.suu.edu/u/sci/agns>

Information Systems Application moved to the College of Computing, Integrated Engineering, and Technology. <http://www.suu.edu/u/ciet/csis>

Family and Consumer Science (including Apparel Design, Interior Design, and Early Childhood Development) moved to the College of Education. <http://www.suu.edu/u/ed>

Effective July 1, 2004 Agriculture Science moved to the College of Science. <http://www.suu.edu/u/sci/agns>

providing food, fiber, by-products, and recreational opportunities to others.

3. Students will communicate effectively using terminology appropriate to the discipline.
4. Students will express satisfaction with their learning experience and be well prepared for post-graduation plans and opportunities.

**DIVISION OF FAMILY & CONSUMER SCIENCES**

**Division Head: Kathy Croxall**  
**(435) 586-7796**  
**General Classroom 203B**  
**Division Secretary: Debbie Forman**  
**General Classroom 203**  
**(435) 586-1979**

Professor: Cynthia B. Wright; *Associate Professors:* Bonnie K. Bishop, Shawn Christiansen, Artis Grady, Rea Gubler; *Assistant Professors:* Kathy Croxall, Matthew Schmidt.  
 Website: <http://www.suu.edu/sast/sci/facs/>

**Mission Statement**

Education in family and consumer sciences (FCS) empowers individuals and families to manage the challenges of living within a family and working in a diverse global society. Our

mission is to prepare individuals for family life and careers by providing opportunities to develop needed knowledge, skills, attitudes and behaviors. This is accomplished in a nurturing educational environment that is rich in exposure to the varied academic content of the discipline and solid in practical application of theories related to the disciplines encompassed within the field of FCS. Central to our focus as a division is superior teaching, including courses taught in traditional classrooms, laboratories, and internships/co-op/student teaching experiences.

The primary aim of the FCS program is to provide high quality undergraduate education to students and meaningful service to the communities served by the university. The division offers teacher certification in secondary schools and trains students in the areas of nutrition and food science, early childhood development, and interior design.

**Goals Statement**

1. The goal of the family and consumer sciences division at SUU is to prepare individuals for family life and careers in early childhood development, interior design, teaching in the secondary schools, or entrance into graduate school.
2. The curriculum of the FCS division consists of a careful blend of classroom courses in theory, methodologies and histories of the disciplines as well as laboratory experiences incorporating hands-on applications of these principles.
3. The intent of the FCS faculty and curriculum is to produce well-rounded graduates who are conversant with the material in the FCS field and who can also proficiently apply that material.

**Intended Outcomes and Objectives**

1. Students will demonstrate their knowledge and mastery of their particular discipline (i.e., nutrition and food sciences, early childhood development, interior design).
2. Students will be satisfied with the learning experiences afforded them by the division.
3. Students will be prepared for post-graduation opportunities.

**DIVISION OF INFORMATION SYSTEMS APPLICATIONS**

**Division Head: Robert Robertson**  
**ELC 413 (435) 865-8560**  
**Department Secretary: Shari Grider**  
**Location: GC 406 (435) 865-8321**

*Associate Professor:* Constance W. Nyman;  
*Assistant Professor:* Gregory S. Colf;  
*Professional in Residence:* Robert Robertson  
 Website: <http://www.suu.edu/sast/sci/isa/>

**Mission Statement**

The information systems applications (ISA) division supports the University Mission Statement by providing students with a personalized learning environment and encouraging superior teaching by the faculty. The role of the division is to afford students the opportunity for professional education and training in three distinct areas: networking and telecommunications, user support services, and business applied technology.

Associate degrees are offered in Networking and Telecommunications and User Support Services. The Networking and Telecommunications, and User Support Services degrees serve as an entry point to the baccalaureate degrees in Information Systems and serve as emphases in that degree. A one-year certificate is offered in Information and Office Systems Technology.

Faculty members strive to provide superior teaching through continued professional development by maintaining memberships in appropriate professional organizations, attending regional and national conferences, receiving counsel from the ISA Advisory Committee, and updating their knowledge and skills.

**Goals Statement**

As indicated in the mission statement, the division's goal is to prepare individuals for employment in a variety of computer-related careers in the business world or entrance into a four-year degree in Business Education and/or Information Systems.

The curriculum of the ISA division consists of a combination of theories, methodologies, applications, and hands-on laboratory experiences designed to develop individuals' skills. The intent of the courses offered is to produce a well-rounded graduate who is knowledgeable with the material in the ISA field and who can proficiently apply his/her knowledge.

The primary goal of the ISA Division is to provide high quality associate-level education to students and meaningful service to the communities served by the university.

**Intended Outcomes and Objectives**

1. Students will be prepared for meaningful employment after graduation.
2. Students will demonstrate their knowledge and mastery of their particular discipline; i.e., networking and telecommunications, user support services, or information and office systems technology.
3. Students will recognize and be satisfied with the learning opportunities afforded them by the division. Students will know the options for, and be prepared for, baccalaureate opportunities.

Effective July 1, 2004 Information Systems Application moved to the College of Computing, Integrated Engineering and Technology.  
<http://www.suu.edu/ciet/csis>

Effective July 1, 2004 Family and Consumer Science (including Apparel Design, Interior Design, and Early Childhood Development) moved to the College of Education  
<http://www.suu.edu/ed>  
 Nutrition Science moved to the College of Science  
<http://www.suu.edu/sci/agns>

<b>Agricultural Science and Industry Bachelor of Interdisciplinary Studies</b>	
Effective July 1, 2004 the Department of Agriculture Science moved to the College of Science. <a href="http://www.suu.edu/sci/agns">http://www.suu.edu/sci/agns</a>	
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 Microeconomics	3
ACCT 2010 Accounting Principles	3
ISA 2300 Written Business Communications or COMM 4240 Technical Report Writing	3
<b>Select one of the following emphases:</b>	
<b>Agribusiness Emphasis (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 Emphasis (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 3070 Genetics Lab	1
3000 - LEVEL * Two courses Animal Management (AGSC Prefix)	6
<b>Plant Science and Industries Emphasis (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 *Two courses Plant Science (AGSC prefix)	6

\*Up to 3 credit hours of AGSC 3600, Directed Studies, may be substituted.

<b>General Agriculture Emphasis (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 A-C 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.	
Free Electives	36-38
<b>Total Credits, B.I.S. degree</b>	<b>120</b>

<b>Agriculture Minor</b>	
Effective July 1, 2004 the Department of Agriculture Science moved to the College of Science. <a href="http://www.suu.edu/sci/agns">http://www.suu.edu/sci/agns</a>	
Course Number and Title	Credits
<b>Required</b>	
AGSC 1010 Agriculture and Society	3
AGSC 1100 Principles of Animal Science	3
AGSC 1110 Crop Production	3
AGSC 1120 Crop Production Lab	1
AGSC 3020 Agribusiness Management	3
AGSC 3560 Soil Science	3
AGSC 3570 Soils Lab	1
Minimum of three credit hours selected from: AGSC 2600, 2610, 2620, 2630, 3100, 3200, 3250, 3350.	3
<b>Total Credits</b>	<b>20</b>

<b>Agriculture Associate of Applied Science</b>	
Effective July 1, 2004 the Department of Agriculture Science moved to the College of Science. <a href="http://www.suu.edu/sci/agns">http://www.suu.edu/sci/agns</a>	
Course Number and Title	Credits
<b>General Education Core (see page 105)</b>	
Complete a minimum of 20-21 credit hours in general education as follows: A minimum of one course in each of the core categories. Three courses representing three of six remaining general education categories. Students should check the department AAS requirements to determine if specific general education classes are recommended (English 1010 will satisfy the requirement for an AAS degree).	20-21
<b>Core Requirements (21 hours)</b>	
AGSC 1010 Agriculture and Society	3
AGSC 1100 Principles of Animal Science	3
AGSC 1990 Agriculture Leadership	1
AGSC 3020 Agribusiness Management	3
AGSC 3150 Genetics of Livestock & Horse Improvement	3
AGSC 3400 Feeding & Nutrition of Horses & Livestock	3
AGSC 3410 Feeding and Nutrition Lab	1
AGSC 3500 Applied Reproduction in Livestock & Horses	3

AGSC 3510 Reproduction Lab	1
<b>Practicum/Internship (8 hours)</b>	
AGSC 1950 Agriculture Enterprise Practicum-Production	4
AGSC 2950 Agriculture Enterprise Practicum-Management	4
Students who will apply AAS degree credit toward a four year degree may consult with an advisor to substitute AGSC 4894, Internship, for practicum.	
<b>Production/Management Courses (10 hours)</b>	
Courses are to be selected from those listed below. Students must select at least one combination of production and same-species management course. Under special circumstances and with faculty advisor consent, students may fulfill the balance of the production/management requirement by submitting an agricultural science prefix course not listed below:	
AGSC 3100 Beef Management	3
AGSC 2610 Beef Production Practices	2
AGSC 3200 Swine Management	3
AGSC 2600 Swine Production Practices	2
AGSC 3250 Sheep and Wool Management	3
AGSC 2620 Sheep Production Practices	2
AGSC 3350 Horse Science and Industry	3
AGSC 2630 Horse Production Practices	2
<b>Crops/Soils/Range Courses (8 hours)</b>	
AGSC 1110 Crop Production	3
AGSC 1120 Crops Lab	1
AGSC 3030 Forage Crops	3
AGSC 3040 Forages Lab	1
AGSC 3230 Pests and Pest Management	3
AGSC 3240 Pests Lab	1
AGSC 3560 Soil Science	3
AGSC 3570 Soils Lab	1
AGSC 3700 Principles of Irrigation	3
AGSC 3710 Irrigation Lab	1
RANG 3600 Range Management	3
RANG 3610 Range Lab	1
<b>Total Credits (minimum)</b>	<b>67</b>

<b>Agriculture Certificate in Agriculture with Emphasis In Livestock Farm Management</b>	
Effective July 1, 2004 the Department of Agriculture Science moved to the College of Science. <a href="http://www.suu.edu/sci/agns">http://www.suu.edu/sci/agns</a>	
Course Number and Title	Credits
<b>Core Requirements (15 hours)</b>	
AGSC 1010 Agriculture and Society	3
AGSC 1100 Principles of Animal Science	3
AGSC 1990 Agriculture Leadership	1
AGSC 3400 Feeding & Nutrition of Horses & Livestock	3
AGSC 3410 Feeding and Nutrition Lab	1
AGSC 3500 Applied Reproduction in Livestock & Horses	3

AGSC 3510 Reproduction Lab	1
<b>Practicum/Internship (4 hours)</b>	
AGSC 1950 Agriculture Enterprise Practicum-Production	4
<b>Production/Management Courses (8 hours)</b>	
Courses are to be selected from those listed below. Students must select at least one combination production and same-species management course. Under special circumstances and with faculty advisor consent, students may fulfill the balance of the production/management requirement by substituting an agricultural science prefix course not listed below.	
AGSC 3100 Beef Management	3
AGSC 2610 Beef Production Practices	2
AGSC 3200 Swine Management	3
AGSC 2600 Swine Production Practices	2
AGSC 3250 Sheep and Wool Management	3
AGSC 2620 Sheep Production Practices	2
AGSC 3350 Horse Science and Industry	3
AGSC 2630 Horse Production Practices	2
<b>Crops/Range Courses (4 hours)</b>	
AGSC 1110 Crop Production	3
AGSC 1120 Crops Lab	1
AGSC 3030 Forage Crops	3
AGSC 3040 Forages Lab	1
AGSC 3700 Principles of Irrigation	3
AGSC 3710 Irrigation Lab	1
RANG 3600 Range Management	3
RANG 3610 Range Lab	1
<b>Total Credits</b>	<b>31</b>

BS Degree in Biology with an Agricultural Science or Pre-veterinary Advisement Option: consult the biology section of the catalog for details on these options.

Note: Any course applied to the major with a grade below a C- must be retaken and a better grade achieved.

<b>Family and Consumer Sciences Education Bachelor of Arts/Bachelor of Science</b>	
Effective July 1, 2004 The Department of Family and Consumer Science moved to the College of Education . <a href="http://www.suu.edu/ed">http://www.suu.edu/ed</a>	
Course Number and Title	Credits
<b>General Education Core (see page 105)</b>	
Core Course Requirements	17-18
Knowledge Areas Requirements (must take ECD 1500, NFS 1020, CHEM 1110/1130)	19
<b>University Requirements</b>	
BA Degree – Foreign Language/ASL Requirement (16 hours or proficiency test) BS Degree – Math or Science minimum requirement (12 hours)	
<b>Family and Consumer Science Core Requirements (6 hours)</b>	
FCS 2400 Marriage & Family Relations OR FCS 3700 Principles of Effective Parenting	3
<i>We highly recommend students take both FCS 2400 and 3700.</i>	

FCS 3400 Consumer in American Society (NFS 4020 not required but highly recommended in education major)	3
<b>Other Requirements (44 hours)</b>	
ADT 1210 Intro to Apparel Selection	2
ADT 1220 Apparel Selection Lab	1
ADT 2220 Apparel Construction Techniques	3
ADT 3240 Textiles & Lab	3
ADT 4210 Advanced Construction/Flat Pattern Design	3
CHEM 1120 Elementary BioOrganic Chem & Lab	5
CHEM 1140 Elementary BioOrganic Chem Lab	1
ECD 2610 Intro to Child Care	2
ECD 2620 Intro to Child Care Lab	1
ECD 3610 Play and Advanced Guidance	2
ECD 3620 Advanced Preschool Lab	1
FCS 1000 Foundations of FCS	1
FCS 3500 Home, Family, and Resource Management	3
ID 1950 Design I	3
ID 2950 Design II (Housing & Equipment)	3
NFS 2020 Nutrition in Lifecycle	3
NFS 2200 Culinary Arts	1
NFS 2210 Culinary Arts Lab	1
NFS 4200 Food Science	3
NFS 4210 Food Science Lab	2
Free Electives (includes completing B.A./B.S. requirement, and/or Education Licensure)	24-37
<b>Total Credits, B.S. degree</b>	<b>120</b>
<b>Total Credits, B.S. degree with licensure (see below)</b>	<b>133</b>

<b>Family and Consumer Sciences Education</b>	
<b>Professional Education Requirements for Secondary Licensure</b>	
Effective July 1, 2004 The Department of Family and Consumer Science moved to the College of Education . <a href="http://www.suu.edu/ed">http://www.suu.edu/ed</a>	
<b>Course Number and Title</b>	<b>Credits</b>
<b>Required Credits: 30-31 minimum in Education</b>	
EDUC 2000 Exploring Education in Society*	3
EDUC 3170 Instructional Technology for Educators	3
SCED 3200 Secondary Educational Psychology	3
SPED 3030 Foundations of Special Education	2
FCS 3950 Vocational and Occupational Education	3
FCS 4900 Curriculum Development	3
Secondary Block as noted below	
SCED 3570 Motivation and the Management of Diverse Instructional Environments for Secondary Teachers	3
SCED 3590 Instructional Planning, Delivery, and Assessment for Secondary Teachers	3
SCED 3720 Content Literacy	2
SCED 4520 Secondary Practicum/Seminar Clinical Practice (student teaching) is taken the semester prior to secondary block as noted below	3
SCED 4980 Clinical Practice	7
FCS 4980 Clinical Practice	2

<b>Total Credits</b>	<b>36-37</b>
*Meets general education requirement in the interdisciplinary knowledge area	

<b>Family and Consumer Sciences</b>	
<b>Early Childhood Development Emphasis</b>	
<b>Bachelor of Arts/Bachelor of Science</b>	
Effective July 1, 2004 The Department of Family and Consumer Science moved to the College of Education . <a href="http://www.suu.edu/ed">http://www.suu.edu/ed</a>	
<b>Course Number and Title</b>	<b>Credits</b>
<b>General Education Core (see page 105)</b>	
Core Course Requirements	17-18
Knowledge Areas Requirements (must take ECD 1500, NFS 1020)	19
<b>University Requirements</b>	
BA Degree – Foreign Language/ASL Requirement (16 hours or proficiency test)	
BS Degree – Math or Science minimum requirement (12 hours)	
<b>Family and Consumer Science Core Requirements (6 hours)</b>	
FCS 2400 Marriage & Family Relations	3
FCS 3400 Consumer in American Society	3
<b>Core Requirements (27 hours)</b>	
ECD 2610 Intro to Child Care & Guidance	2
ECD 2620 Child Care & Guidance Lab	1
ECD 2650 Child Care Issues	1
ECD 2660 Child Care Lab	2
ECD 3500 Child Development: Infancy & Early Childhood	3
ECD 3600 Child Development: Age 6-12	3
ECD 3610 Play and Advanced Guidance	2
ECD 3620 Advanced Preschool Lab	1
ECD 3800 Child Care Administration/Management	3
ECD 3900 Methods of Preschool Curriculum	3
FCS 3700 Principles of Effective Parenting	3
NFS 2120 Nutrition of the Infant and Child	3
<b>Elective Courses (select a minimum of 15 hours)</b>	
ACCT 2010 Accounting Principles	3
ART 3900 Art for Elementary Teachers	1.5
DANC 3900 Creative Movement for Children	1.5
ECD 4650 Current Issues in Child Care	1
ECD 4660 Current Issues in Child Care (advanced lab)	2
ECD 4880 Child Care Teaching Practicum	4
ELED 3930 Teaching Creative Arts in Early Childhood	4
FCS 1000 Foundations of FCS	1
LM 4180 Utilization of Literature in the Classroom	3
MGMT 3210 Entrepreneurship	3
MUSC 3900 Music for Elementary Teachers	1.5
PSY 3210 Infant and Child Development	3
PSY 3220 Adolescent Development	3
PSY 3320 Cognitive Psychology	3
PSY 4330 Theories of Learning	3
TA 3900 Theatre for Elementary Teachers	1.5

Note: Students are strongly encouraged to consult their advisor before selecting coursework. Some courses are only taught one semester per year. Also, note that a grade below "C" will not be accepted in the major or minor courses.	
Free Electives (includes completing minor & BA/BS requirement)	36
<b>Total Credits, B.A. or B.S. degree (minimum)</b>	<b>120</b>

Early Childhood Development Minor	
Effective July 1, 2004 The Department of Family and Consumer Science moved to the College of Education . <a href="http://www.suu.edu/ed">http://www.suu.edu/ed</a>	
Course Number and Title	Credits
<b>Requirements</b>	
ECD 1500* Human Development Through the Lifespan	3
ECD 2610 Intro to Child Care and Guidance	2
ECD 2620 Child Care and Guidance Lab	1
ECD 3610 Play and Advanced Guidance	2
ECD 3620 Advanced Preschool Lab	1
NFS 1020* Scientific Foundations of Human Nutrition	3
NFS 2120 Nutrition of the Infant and Child	3
ECD 3900 Methods of Preschool Curriculum	3
*These courses may satisfy GE requirements.	
<b>Select two electives (6 hours)</b>	
ECD 3500 Child Development: Infancy & Early Childhood	3
ECD 3600 Child Development: Age 6-12	3
FCS 2400 Marriage and Family Relations	3
FCS 3700 Principles of Effective Parenting	3
ECD 3800 Childcare Administration and Management	3
<b>Total Credits</b>	<b>24</b>
Comment: An Early Childhood Education License is offered through the college of education with support courses offered by the division of family and consumer sciences. The license authorizes teaching in grades K-3 in the public schools of Utah. Students seeking the license should contact the department of teacher education for detailed information.	

Early Childhood Development Associate of Applied Science	
Effective July 1, 2004 The Department of Family and Consumer Science moved to the College of Education. <a href="http://www.suu.edu/edu/ed">http://www.suu.edu/edu/ed</a>	
Course Number and Title	Credits
<b>General Education Core (see page 105)</b>	
Complete a minimum of 20-21 credit hours in general education as follows: A minimum of one course in each of the core categories. Three courses representing three of six remaining general education categories. Students should check the department AAS requirements to determine if specific general education classes are recommended (English 1010 will satisfy the requirement for an AAS degree).	20-21
<b>Requirements (44 hours)</b>	
ACCT 2010 Accounting Principles	3
DANC 3900 Creative Movement for Children	1.5

TA 3900 Theatre For Elementary Teachers	1.5
ECD 1500* Human Development Through the Lifespan	3
ECD 2610 Intro to Child Care and Guidance	2
ECD 2620 Child Care and Guidance Lab	1
ECD 2650 Child Care Issues	1
ECD 2660 Child Care Lab	2
ECD 3500 Child Development: Infancy and Early Childhood	3
ECD 3610 Play and Advanced Guidance	2
ECD 3620 Advanced Preschool Lab	1
ECD 3800 Child Care Administration & Management	3
ECD 3900 Methods of Preschool Curriculum	3
ECD 4880 Child Care Teaching Practicum	4
FCS 3700 Principles of Effective Parenting	3
NFS 1020* Scientific Foundations of Human Nutrition	3
NFS 2120 Nutrition of the Infant and Child	3
PE 2750 Advanced First Aid	2
Free Electives	2
<b>Total Credits</b>	<b>64</b>
*These courses may satisfy GE requirements.	
Note: Please see academic advisor for suggested electives and general education courses. Also, note that a grade below "C" will not be accepted in the required core courses.	

Family and Consumer Sciences Interior Design Emphasis Bachelor of Arts/Bachelor of Sciences	
Effective July 1, 2004 The Department of Family and Consumer Science moved to the College of Education . <a href="http://www.suu.edu/ed">http://www.suu.edu/ed</a>	
Course Number and Title	Credits
<b>General Education Core (see page 105)</b>	
Core Course Requirements	17-18
Knowledge Areas Requirements (must take ECD 1500, NFS 1020)	19
<b>University Requirements</b>	
BA Degree – Foreign Language/ASL Requirements (16 hours or proficiency test)	
BS Degree – Math or Science minimum requirement (12 hours)	
<b>Family and Consumer Science Core Requirements (6 hours)</b>	
FCS 2400 Marriage & Family Relations	3
FCS 3400 Consumer in American Society	3
<b>Requirements (23 hours)</b>	
ADT 1220 Intro to Apparel Selection and Construction Lab	1
ADT 3240 Textiles and Lab	3
ART 1110 Drawing I	3
CCET 3610 Architectural Design	3
CM 3650 Residential Drafting	3
ID 1950 Design I	3
ID 2950 Design II (Housing and Equipment)	3
ID 3950 Design III	3
ID 4960 Design Seminar	1

<b>Elective Courses (select a minimum of 18 hours):</b>	
ACCT 2010 Accounting Principles	3
ADT 1260 Instructional Weaving and Lab	2
ADT 4260 Advanced Weaving Instruction	2
ADT 2220 Apparel Construction Techniques	3
ART 1120 Two-Dimensional Design	3
ART 1240 Three Dimensional Design	3
ART 1610 Ceramics I	3
COMM 1180 Introduction to Photography	3
CCET 1610 Engineering Technology Graphics	3
CCET 1640 Computer Aided Design	3
CCET 2650 Mechanical Blueprint Reading	2
CCET 3620 3-D Design	2
CCET 3670 Civil Design	4
FCS 1000 Foundations of FCS	1
MGMT 3210 Entrepreneurship, or MGMT 2220, or MGMT 3180	3
TECH 3850 Construction	3
Note: Students are strongly encouraged to consult their advisor before selecting coursework. Some courses are only taught one semester per year. Also, note that a grade below "C" will not be accepted in the major or minor courses.	
Free Electives (includes completing minor, &B.A./B.S. requirement)	37
<b>Total Credits, B.A. or B.S. degree</b>	<b>120</b>

<b>Interior Design Minor</b>	
Effective July 1, 2004 The Department of Family and Consumer Science moved to the College of Education . <a href="http://www.suu.edu/ed">http://www.suu.edu/ed</a>	
Course Number and Title	Credits
<b>Requirements</b>	
ART 1110* Drawing I	3
ID 1950 Design I	3
ID 2950 Design II (Housing and Equipment)	3
ID 3950 Design III	3
ID 4960 Design Seminar	1
ADT 3240 Textiles and Lab	3
*These courses may satisfy GE requirements.	
<b>Elective Courses (select a minimum of 4 hours):</b>	
ADT 1220 Intro to Apparel Selection/Const Lab	1
ADT 2220 Apparel Construction Techniques	3
ADT 1260 Instructional Weaving and Lab	2
ADT 4260 Advanced Weaving Instruction	2
CCET 3610 Architectural Design	3
CM 3650 Residential Drafting	3
FCS 1000 Foundations of FCS	1
<b>Total Credits</b>	<b>20</b>

<b>Interior Design Associate of Applied Science</b>	
Effective July 1, 2004 The Department of Family and Consumer Science moved to the College of Education . <a href="http://www.suu.edu/ed">http://www.suu.edu/ed</a>	
Course Number and Title	Credits
<b>General Education Core (see page 105)</b>	
Complete a minimum of 20-21 credit hours in general education as follows: A minimum of one course in each of the core categories. Three courses representing three of six remaining general education categories. Students should check the department AAS requirements to determine if specific general education classes are recommended (English 1010 will satisfy the requirement for an AAS degree).	20-21
<b>Requirements (34 hours)</b>	
ADT 1210 Intro to Apparel Selection/Construction	2
ADT 1220 Intro to Apparel Selection/Const Lab	1
ADT 3240 Textiles and Lab	3
ART 1110* Drawing I	3
ART 1120 Two-Dimensional Design	3
ART 1240 Three-Dimensional Design	3
ACCT 2010 Accounting Principles	3
CM 3650 Residential Drafting	3
ID 1950 Design I	3
ID 2950 Design II (Housing and Equipment)	3
ID 3950 Design III	3
ID 4960 Design Seminar	1
MGMT 2220 Small Business Management, or MGMT 3210, or 3180	3
*These courses may satisfy GE requirements.	
<b>Elective Courses (select a minimum of 4 hours):</b>	
ADT 1260 Instructional Weaving and Lab	2
ADT 2220 Apparel Construction Techniques	3
ADT 4260 Advanced Weaving Instruction	2
CCET 3610 Architectural Design	3
FCS 1000 Foundations of FCS	1
Note: Please see academic advisor for suggested electives and general education courses. Also, note that a grade below "C" will not be accepted in the required core courses.	
Free Electives	6
<b>Total Credits (min)</b>	<b>64</b>

<b>Family and Consumer Sciences Nutrition and Food Sciences Emphasis Bachelor of Arts/Bachelor of Sciences</b>	
Effective July 1, 2004 The Department of Family and Consumer Science moved to the College of Education . <a href="http://www.suu.edu/ed">http://www.suu.edu/ed</a>	
Course Number and Title	Credits
<b>General Education Core (see page 105)</b>	
Core Course Requirements	17-18
Knowledge Areas Requirements (must take ECD 1500, NFS 1020)	19
<b>University Requirements</b>	
BA Degree – Foreign Language/ASL Requirements (16 hours or proficiency test)	

BS Degree – Math or Science minimum requirement (12 hours)	
<b>Family and Consumer Science Core Requirements (6 hours)</b>	
FCS 2400 Marriage & Family Relations	3
FCS 3400 Consumer in American Society	3
<b>Core Requirements (19 hours)</b>	
NFS 2020 Nutrition in the Life Cycle	3
NFS 2200 Culinary Arts	1
NFS 2210 Culinary Arts Lab	1
NFS 3020 Nutrition as Related to Fitness and Sports	3
NFS 4020 Advanced Human Nutrition	3
NFS 4200 Food Science	3
NFS 4210 Food Science Lab	2
NFS 4480 Community Nutrition	3
<b>Elective Courses (select a minimum of 18 hours)</b>	
ACCT 2010 Accounting Principles	3
BIOL 1030* General Biology I	3
BIOL 1040 General Biology I Lab	1
BIOL 1050* General Biology II	3
BIOL 1060 General Biology II Lab	1
BIOL 2010* Human Physiology	3
BIOL 2020 Human Physiology Lab	1
BIOL 2110* Microbiology	3
BIOL 2120 Microbiology Lab	1
BIOL 3060 Genetics	3
BIOL 3070 Genetics Lab	1
BIOL 2210* Human Anatomy	3
BIOL 2220 Human Anatomy Lab	1
BIOL 3050 Biomedical Ethics	2
CHEM 1210*Chemical Principles I	4
CHEM 1220 Chemical Principles II	4
CHEM 1230 Chemical Principles I Lab	1
CHEM 1240 Chemical Principles II Lab	1
CHEM 2310 Organic Chemistry I	4
CHEM 2320 Organic Chemistry II	4
CHEM 2330 Organic Chemistry Lab	2
CHEM 4110 Biochemistry I	4
ECON 1010* Economics as a Social Science	3
or	
ECON 2010 Principles of Microeconomics	3
FCS 1000 Foundations of FCS	1
MATH 1040 Introduction to Statistics	4
PE 3070 Exercise Physiology	3
SOC 4100 Sociology of Health and Medicine	3
*These courses may satisfy GE requirements.	
Note: Students are strongly encouraged to consult their advisor before selecting coursework. Some courses are only taught one semester per year. Also, note that a grade below "C" will not be accepted in the major or minor courses.	
Free Electives (includes completing minor, & B.A. or B.S. requirement)	41
<b>Total Credits, B.A. or B.S. degree (minimum)</b>	<b>120</b>

Nutrition and Food Sciences Minor	
Effective July 1, 2004 the Department of Agriculture Science moved to the College of Science. <a href="http://www.suu.edu/sci/agns">http://www.suu.edu/sci/agns</a>	
Course Number and Title	Credits
<b>Option I (Nutrition Related) Requirements</b>	
BIOL 2010 Human Physiology	3
BIOL 2020 Human Physiology Lab	1
CHEM 1110* Elementary Chemistry (or 1210)	3
CHEM 1120 Elementary BioOrganic Chemistry (or 1220)	5
CHEM 1130* Elementary Chemistry Lab (or 1230)	1
CHEM 1140 Elementary BioOrganic Chemistry Lab (or 1240)	1
NFS 1020* Scientific Foundations of Human Nutrition	3
NFS 2020 Nutrition in the Life Cycle	3
NFS 3020 Nutrition as Related to Fitness and Sports	3
NFS 4020 Advanced Human Nutrition	3
NFS 4480 Community Nutrition	3
*These courses may satisfy GE requirements.	
<b>Option II (Food Science Related) Requirements</b>	
BIOL 2110 Microbiology	3
BIOL 2120 Microbiology Laboratory	1
CHEM 1110* Elementary Chemistry (or 1210)	3
CHEM 1130* Elementary Chemistry Lab (or 1220)	1
CHEM 1120 Elementary BioOrganic Chemistry (or 1230)	5
CHEM 1140 Elementary BioOrganic Chemistry Lab (or 1240)	1
NFS 1020* Scientific Foundations of Human Nutrition	3
NFS 2020 Nutrition in the Life Cycle	3
NFS 2200 Culinary Arts	1
NFS 2210 Culinary Arts Lab	1
NFS 4200 Food Science	3
NFS 4210 Food Science Lab	2
*Pre-requisite course to be taken as general ed	
Note: Students are strongly encouraged to consult their advisor before selecting coursework. Some courses are only taught one semester per year. Also, note that a grade below "C" will not be accepted in the major or minor courses.	
<b>Total Credits (Option I)</b>	<b>29</b>
<b>Total Credits (Option II)</b>	<b>27</b>

Apparel Design and Textiles Minor	
Effective July 1, 2004 The Department of Family and Consumer Science moved to the College of Education. <a href="http://www.suu.edu/ed">http://www.suu.edu/ed</a>	
Course Number and Title	Credits
<b>Requirements</b>	
ADT 1210 Intro to Apparel Selection/Construction	2
ADT 1220 Intro to Apparel Selection/Const Lab	1
ADT 1260 Instructional Weaving & Lab	2

ADT 2220 Apparel Construction Techniques	3
ADT 3240 Textiles & Lab	3
ADT 4210 Advanced Construction/Flat Pattern Design	3
ADT 4260 Advanced Weaving Instruction	2
CHEM 1110* Elementary Chem	3
CHEM 1130* Elementary Chem Lab	1
*Pre-requisite course to be taken as general ed	
<b>Total Credits</b>	<b>20</b>

<b>Information Systems Applications All Emphases Associate of Applied Science</b>	
Effective July 1, 2004 Information Systems moved to the College of Computing, Integrated Engineering and Technology. <a href="http://www.suu.edu/ciet/csis">http://www.suu.edu/ciet/csis</a>	
Course Number and Title	Credits
<b>General Education Core (see page 105)</b>	
Complete a minimum of 20-21 credit hours in general education as follows: A minimum of one course in each of the core categories. Three courses representing three of six remaining general education categories. Students should check the department AAS requirements to determine if specific general education classes are recommended (English 1010 will satisfy the requirement for an AAS degree).	20-21
<b>ISA Common Core (20 hours)</b>	
ISA 1300 Business English	
Or	
ISA 2300 Written Business Communication	3
<b>ISA 1950 Professional Leadership Development</b>	<b>1+1</b>
ISA 2000 Web Development	3
<b>ISA 2200 Resume/Interview Preparation</b>	<b>2</b>
ISA 2600 Telecommunications and Networking	3
<b>ISA 2900 Computer Tutorial Internship</b>	<b>1</b>
CS 1050 Introduction to Programming	3
IS 3000 Fundamentals of Information Systems	3
<b>Select one of the two following emphases:</b>	
<b>Networking and Telecommunications Emphasis (21 hours)</b>	
ISA 2050 Web Server Management	3
ISA 2500 Advanced Spreadsheets	3
ISA 2620 Network Administration I	3
ISA 2640 Network Administration II	3
ISA 2660 Network Service and Support	3
ISA 2680 Network Design	3
<b>EET 2750 Computer Hardware (A+ Certification)</b>	<b>3</b>
***The students must pass at least one certification examination such as A+, CNA, MCP, etc. Note: Please see academic advisor for suggested electives and general education courses. Also, note that a grade below "C-" will not be accepted in the required core courses.	
<b>User Support Services Emphasis (21 hours)***</b>	
ISA 1800 Word Processing	3
ISA 2100 Database	3
ISA 2400 Desktop Publishing	3
ISA 2450 Multi-Media Presentations	3

ISA 2500 Advanced Spreadsheets	3
ISA 2620 Network Administration I	3
ISA 2800 Advanced Computer Applications	3
***The students must pass at least one certification examination such as Microsoft Office Specialist, Excel, Word, Access, or PowerPoint. Note: Please see academic advisor for suggested electives and general education courses. Also, note that a grade below "C" will not be accepted in the required core courses.	
Free Electives	3
<b>Total Credits (either emphasis)</b>	<b>64</b>
Students who elect to complete an information systems applications associate degree must have an overall GPA of 2.5 or better. Any course with a grade below a C- must be retaken and a better grade achieved. The AAS degree in information systems applications is based on a 2 + 2 program after which a bachelors degree in information systems may be completed.	

<b>Information and Office Systems Technology Certificate</b>	
Effective July 1, 2004 Information Systems moved to the College of Computing, Integrated Engineering and Technology. <a href="http://www.suu.edu/ciet/csis">http://www.suu.edu/ciet/csis</a>	
Course Number and Title	Credits
<b>Core Requirements (13 credit hours)</b>	
ISA 1050 Overview of Computer Applications	3
ISA 1300 Business in English	3
ISA 1800 Word Processing	3
ISA 1950 Professional Leadership Development	1
ISA 2000 Web Development	3
<b>Electives (17 credit hours from the following courses)</b>	
ISA 2050 Web Server Management	3
ISA 2100 Database	3
ISA 2200 Resume/Interview Preparation	2
ISA 2300 Written Business Communication	3
ISA 2400 Desktop Publishing	3
ISA 2450 Multi-Media Presentations	3
ISA 2500 Advanced Spreadsheets	3
ISA 2600 Telecommunications and Networking	3
ISA 2620 Network Administration I	3
ISA 2640 Network Administration II	3
ISA 2660 Network Service and Support	3
ISA 2680 Network Design	3
ISA 2800 Advanced Computer Applications	3
The student is encouraged to pass at least one certification exam.	
<b>Total Credits</b>	<b>30</b>