



Equine Sciences
Colorado State University
Fort Collins, Colorado 80523-1679
970-491-8373
www.csuequine.com

A Unique Educational Opportunity

Your education is the key to your future in the equine industry. Thus, it is vital you select an equine program that keeps abreast of the equine industry.

Equine Sciences at Colorado State University (CSU) is a unique educational program. It is a program with a rich history connected to equine leaders around the world.

CSU's Equine Sciences program has faculty recognized internationally for pioneering research in equine reproduction, lameness, nutrition and orthopedics.

The B.W. Pickett Equine Teaching and Research Center (ETRC) opened in the fall of 1987, and serves the University's equine program and local, regional and national equine interests.

Equine Sciences Major

Colorado State was the first land-grant university to offer a Bachelor's degree in Equine Sciences. Enrollment in the major has steadily increased since the fall of 1986. The program expects 124 incoming students in fall 2009, bringing the total program enrollment to more than 350.

The Equine Sciences curriculum provides the flexibility for balancing a rigorous biological science program with practical experience and business electives.

Equine Sciences students now have the opportunity to take advantage of over 22 equine specific classes offered by the program. Classes such as:

- Introduction to Equine Science
- Equine Disease Management
- Equine Sales Management
- Equine Event Management
- Horse Handling
- Equine Management
- Foaling Management
- Therapeutic Riding
- Equine Nutrition
- Equine Behavior
- Equine Production and Industry
- Equine Reproductive Management
- Farrier Science
- Packing and Outfitting
- Horse Training
- Riding Instructor Training
- Horse Judging
- Internships
- Additional equine practicum courses

These practical courses give students the opportunity to increase their hands-on skills and learn about new and exciting changes occurring in the industry. Practical courses coupled with the business and foundation science classes give CSU Equine Science majors an advantage when entering the ever changing equine industry. Students can also complete pre-veterinary medicine requirements with a major in Equine Sciences. Equine Science students can also pursue a minor in Business Administration or a double major in Agriculture Business.

Facilities

The hub of Equine Sciences at CSU is the B.W. Pickett ETRC, located west of the main campus, adjacent to the foothills. The \$5.2 million facility has a football field-sized indoor arena and includes seating for over 2,000 spectators, concession stands and ticket booths, faculty offices, a classroom complex, outdoor arena, round pens, sheds and paddocks. The Adams-Atkinson Arena is an additional indoor arena that houses 36 stalls, offices, a veterinary treatment area, tack and storage rooms, wash and grooming racks, farrier stations, and a classroom with an arena viewing area.

The ETRC is adjacent to the Equine Reproduction Laboratory, where research work is conducted in mare and stallion management, transported, cooled and frozen spermatozoa, hormonal therapy, embryo vitrification, superovulation, oocyte collection and maturation, and intracytoplasmic sperm insemination (ICSI). The close proximity of the Equine Reproduction Laboratory facilitates mutual use of equipment, personnel, classrooms and laboratory space.

Located at the base of the foothills, the Equine Center has access to miles of trails in nearby Lory State Park, Rocky Mountain National Park, and Roosevelt National Forest. Students in packing and outfitting classes are given the opportunity to enjoy the challenge and beauty of the Rockies.

Colorado State's ETRC is available for public use when not required for teaching or research purposes. The facility can accommodate horse shows, rodeos, dressage competitions, polo matches, livestock shows, judging contests and seminars.

Faculty

The interdisciplinary nature of the Equine Sciences program is enhanced by a collaboration of faculty and instructors from the Colleges of Agricultural Sciences and Veterinary Medicine and Biomedical Sciences and the College of Business. The international reputation of the equine reproduction laboratory, a world-renowned team of equine veterinary specialists and an animal sciences department with outstanding faculty and instructors make CSU the right choice for an Equine Science degree.

Research and Technology

Equine Sciences at Colorado State is an international leader in research with reproduction and orthopedics the two focuses of expertise. In addition, research is ongoing in equine nutrition. Notable achievements include:

- A reproductive program that sculpted technology for the world's first genetically identical twin foals produced by bisection of an embryo recovered from the uterus of one mare and transferred to the uterus of a surrogate dam; the development of new and currently used techniques for seminal collection, evaluation, and preservation by cooling and freezing; development of equine embryo transfer techniques that are used commercially worldwide.
- An orthopedic program that is pioneering research in the cause and treatment of traumatic arthritis and osteoarthritis, including development and testing of medical and surgical techniques for the treatment of joint disease.

Horses

Colorado State University's Foothill Campus is home to more than 300 horses that are utilized in teaching and research programs. The ETRC owns approximately 20 horses for use in therapeutic riding, packing and outfitting and the competitive show team. With the addition of equine sales management and preparation to the program's curriculum, two-year old fillies and geldings are sent to the university from well known ranches for use in the two classes. They are then sold at the Legends of Ranching sale each April, which is managed by equine students. The Four Sixes Ranch also supplies two-year olds for the horse training class. The Polo Team owns 25 horses for use in their matches, and the Equine Reproduction Laboratory has manages a commercial breeding program and research activities.

Graduate Program

Graduate programs in the College of Agricultural Sciences and the College of Veterinary Medicine and Biomedical Sciences exist for highly qualified and motivated students who wish to obtain a Master's or Doctoral degree. Graduate students in equine reproduction receive in-depth scientific and practical training in equine reproduction, sexual behavior, and embryo manipulation. Graduate students in orthopedic research are usually veterinarians who receive specialty training in equine surgery.

Financial Aid

Limited financial assistance is available to student in Equine Sciences. The Office of Financial Aid can be contacted at 970-491-6321 for applications for financial aid, grants, scholarships and work-study.

The College of Agricultural Sciences offers numerous awards and more than 100 scholarships to agricultural students each year. Applications are available late fall, and scholarships awarded each spring. For more information, contact the Office of the Dean at 970-491-6272.

Student Organizations

Extracurricular equine organizations at Colorado State offer students opportunities to expand their education, increase their professional contacts and enjoy recreational activities.

- Collegiate Horsemen's Association
- Horse Judging Team
- Polo Club and Team
- Rodeo Club and Team
- Mountain Riders Horse Club
- Block & Bridle Club
- Ranch Horse Versatility Team

Service and Outreach

Equine Sciences provides educational opportunities for those in the equine industry through its publications and annual short courses. From around the world, over 400 people annually attend courses in equine reproduction, lameness, and orthopedics. Equine sciences and equine orthopedic related newsletters, numerous publications, and a complete list of books, bulletins and proceedings are available.

A horse program for youth is available through the Colorado State Cooperative Extension Service and Equine Sciences program, including training workshops, clinics and 4-H horse activities. Additionally, commercial services are available to the horse owner through the Equine Reproduction Laboratory and Veterinary Teaching Hospital.

Information

For more information on undergraduate and graduate programs, continuing education opportunities, and services available, contact: Equine Sciences, Colorado State University, Fort Collins, Colorado 80523. Phone: 970-491-8373, fax 970-491-8419.

Colorado State University is an equal opportunity/affirmative action institution and complies with all Federal and Colorado State laws, regulations, and executive orders regarding affirmative action requirements in all programs. The Office of Equal Opportunity is located in 101 Student Services. In order to assist Colorado State University in meeting its affirmative action responsibilities, ethnic minorities, women and other protected class members are encouraged to apply and to so identify themselves.

Equine Science Course Descriptions

ANEQ 102 Introduction to Equine Sciences (F, S)

Equine physiology, production systems and management systems as it pertains to the equine industry and management.

Prerequisite: None

ANEQ 202 Horse Handling (F)

Focus will be on haltering, leading, ground handling skills, general behavior and grooming.

Prerequisite: ANEQ 102

ANEQ 203 Equine Management (S)

Focus will be on advanced grooming skills, identification and management of herd health issues, and identification and implementation of training equipment.

Prerequisite: ANEQ 202

ANEQ 292 Orientation (S)

This class emphasizes dressing for success, career and skill identification, résumés, cover letters and interview skills.

Prerequisite: None

ANEQ 315 Equine Behavior (S)

This class reviews all instinctive behaviors and studies, in detail, behaviors related to training and learning.

Prerequisite: ANEQ 102, Sophomore Standing or Higher

ANEQ 340 Horse Training Laboratory I (F)

Practical training skills using a yearling or two year old: in-hand, restraint, ground driving, lunging, first rides, stable management.

Prerequisite: ANEQ 315 and/or Written Approval

ANEQ 341 Horse Training Laboratory II (S)

Skills in training for specific riding maneuvers, conditioning, fitting for sale and stable management.

Prerequisite: ANEQ 340

ANEQ 344 Principles of Equine Reproduction (F)

Principles of reproduction and reproductive management of the mare and stallion.

Prerequisite: ANEQ 102; ANEQ 230 or ANEQ 310 or BMS 300 or BMS 305 or VS 333

ANEQ 345 Principles of Equine Nutrition (F, S)

Principles of nutrition and their application in feeding horses in different physiological states to promote their health and well-being.

Prerequisite: ANEQ 102; ANEQ 230 or ANEQ 320 or BMS 300 or BMS 305 or VS 333; 3 credits 100-level chemistry; 3 credits of math

ANEQ 346 Equine Disease Management (F)

Lameness and common diseases of horses.

Prerequisite: ANEQ 230 or BMS 300 or BMS 305 or VS 333

ANEQ 347 Equine Event Management (F, S)

Production and management of equine related events.

Prerequisite: ANEQ 102

ANEQ 349 Packing and Outfitting (F, S)

Outfitting and packing the horse; hitches, knots, and horse care; planning pack trips, setting up camp. Overnight pack trip included.

Prerequisite: ANEQ 102 and Written Approval of Instructor

ANEQ 351 - Practicum in Therapeutic Riding (F, S)

This two credit lecture and laboratory course introduces equine assisted activities (EAA). This class will give an overview of equine assisted activities such as therapeutic horseback riding, hippotherapy, driving and vaulting, equine assisted mental health, and at risk youth programs. Lectures in the history of therapeutic riding and EAA, the history of the North American Riding for the Handicapped Association, the use of the horse in EAA, cognitive and physical disabilities, riding equipment and adaptive equipment, non-profit organizations, and therapeutic riding instructor certification will be included as well. Students will be required to participate in a two hour laboratory in addition to attending lecture.

Prerequisite: ANEQ 102

ANEQ 352 Introduction to Horse Evaluation (S)

Successful completion of this course implies the student will be able to do the following: 1) Give an oral set of reasons 2) Score in the 90 percentile in placings by the end of the semester 3) Make decisions quickly and confidently 4) Comfortably speak in front of a group and 5) Gain the skills to successfully compete at the intercollegiate level if so desired.

Prerequisite: ANEQ 102

ANEQ 353 Advanced Horse Evaluation (F)

Advanced criteria/techniques for horse evaluation; logical decision process development to establish comparative value; intercollegiate competition.

Prerequisite: ANEQ 352

ANEQ 358 Equine Sales Management I (F)

Emphasizes skills necessary to organize, promote, and host an equine sale. Students will begin working towards preparing the Legends of Ranching Performance Horse Sale to be held at the end of the semester. Emphasis will be placed on advertising, marketing, catalog development and pedigree research.

Prerequisite: ANEQ 102

ANEQ 359 Equine Sales Management II (S)

Emphasizes skills necessary to host and evaluate an equine sale. Students will continue working towards preparing the Legends of Ranching Performance Horse Sale to be held at the end of the semester. This will include completion of sales catalog, advertising, sales facility preparation, and personnel hiring (e.g. auctioneer, announcer, ring personnel).

Prerequisite: ANEQ 358 and Written Approval

ANEQ 384 Teaching Assistant / Supervised College Teaching

ANEQ 386 (B) Equine Reproduction Management (S)

Prerequisite: ANEQ 344

ANEQ 386 (C) Farrier Practicum (S)

Prerequisite: ANEQ 102

ANEQ 440 Equine Production and Industry (F, S)

For students planning a career in the horse industry; management of facilities, production systems, personnel, marketing, and biological systems.

Prerequisite: ANEQ 344, ANEQ 345, ANEQ 346

ANEQ 442 Riding Instructor Training (F, S)

Teaching techniques; theory; handling of large mounted groups, beginner through advanced levels.
Prerequisite: ANEQ 102, Written Approval

ANEQ 445 Foaling Management (S)

The goal of the class is to provide an overview of normal and abnormal events associated with pregnancy, foaling, the newborn foal and the postpartum period in the horse. The class meets once per week for lecture (1 hour) and the lab experience involves monitoring and foaling out one or two mares in a small group (5-6 students per mare).

Prerequisite: ANEQ 344

ANEQ/SOCR 448 Manure Management

Manure management; maximizing benefits to soils and crops; minimizing air and water quality hazards; complying with regulations.

Prerequisite: ANEQ 102, SOCR 240, Three credits 100-level chemistry

ANEQ 475 Travel Abroad**ANEQ 487 Internship****ANEQ 495 Independent Study**

CLUBS, SPECIAL PROGRAMS, AND RELATED ORGANIZATIONS

Collegiate Horseman's Association

The Colorado State University Collegiate Horseman's Association (CHA) is an organization of students interested in horses and the horse industry. CHA attempts to further the knowledge and activities of the growing horse-oriented population on the Colorado State campus and in the community. Specific interests of the members are addressed through activities that include guest speakers, educational films, field trips, and horse-related activities at the Equine Center. Each year CHA also participates in the Little National Western Stock Show, produces an open horse show, and a spring seminar. CHA activities also include promoting the Colorado State University horse program and Equine Sciences major and assisting with major equine activities and events. A number of recreational activities are planned, including a hayride and steak fry, a dance, participation in the homecoming parade and an appreciation picnic. There is high demand at Colorado State for equine-related classes, lectures and activities, and there is a need in the horse industry for knowledgeable and capable individuals. The Collegiate Horseman's Association strives to fulfill these needs.

Judging Team

The Colorado State University Horse Judging Team competes at the major national contests. The team consists of students interested in learning more about judging horses and who enjoy the opportunity to improve their speaking ability and decision-making skills. The judging team visits major horse farms across the country, enabling students to see many great horses of various breeds. All of the major horse judging contests are held during established national breed shows, which allows the judging team members to observe the show as part of their activities. The judging team provides an opportunity for students not only to observe great horses, but also to compete against the best collegiate student judges in the United States.

Polo Club and Team

The Colorado State University Polo Club is comprised of both team participants and club members. The team has some of its own horses and practices several days per week. All club members have the opportunity to participate in riding activities, with opportunities for both the established polo player and the student who simply wants to enjoy an exciting and colorful sport.

Rodeo Club and Team

The Colorado State University Rodeo Club and team participate in many college rodeos throughout the Western United States and frequently finish near the top of the Central Rocky Mountain Region competitions. Members are active participants in all events at these rodeos. The club sponsors two rodeos per year and is comprised of members who participate as well as those who support the club activities.

Riding Instructor Training Program

The Riding Instructor Training Program is designed for individuals interested in a career as a certified instructor. Students gain valuable practical teaching experience at various clinics and participation in local 4-H events. Upon completion of the course requirements, students receive an instructor's certificate.

Training Class Program

Colorado State University offers three separate training classes – Equine Behavior, Training Techniques and the Horse Training Lab. Equine Behavior is a lecture series pertaining to horse behavior and training methods in preparation for Training Techniques and the Horse Training Lab. Training Techniques is a series of lectures with guest clinicians detailing various training methods used in the industry. The Horse Training Lab is a class that focuses on the training of two-year-old horses. Each student is assigned a colt to take through basic training stages from haltering to riding.

COLLEGIATE HORSEMAN'S ASSOCIATION

Collegiate Horseman's Association (CHA) is an exciting educational opportunity, allowing members to participate in industry-wide activities not traditionally offered in the classroom.

CHA strives to be the umbrella organization of Colorado State's Equine Sciences, providing the perfect outlet for students to explore and become involved in all facets of the equine industry. CHA is neither a riding club nor do you have to be an Equine Science major. Instead, fun events such as clinics, tours, guest speakers, road trips and fund-raising activities provide members of diverse interests and backgrounds with enriching experiences that expand their knowledge and broaden their perspectives of the horse world.

Activities include:

- Spring Fling Horse Show - Our major fundraiser of the year; members are responsible for all aspects of planning, organizing and managing this event.
- Annual road trips – past trips have included attending the Rolex 3-Day Event in KY while also visiting area farms and the KY Horse Park; traveling through AZ to see different aspects of the industry and local attractions; and going to the KY Derby. This year we sponsored members to participate in the Equine Breeds Across the U.S. travel course, which will expose them to different breeds throughout KY and TN.
- Regular clinics conducted by trainers and other professionals, in all aspects of the industry. We are currently in the process of developing an educational symposium for students and community members alike.
- CHA remains active in the community and strives to educate community members about the equine industry, while also creating programs to assist younger equestrians. One of our major events is Horsin' Around, our children's clinic.

CHA is open to students in any major who share a mutual interest in horses. Everyone has the chance to build leadership by participating in meetings, holding offices and contributing to committees. The organization is always open to new members and fresh ideas. Join CHA and explore a world of equine opportunities!

Contact: cha@lamar.colostate.edu, (970) 491.4051

CHA Activities

- Spring Fling Horse Show
- Western and English Clinics
- Guest Speakers/Demonstrations
- Road Trips
- Community Education Programs

CHA gets you out in the community, and you meet more people outside the university. Since it is an umbrella organization, you stay in touch with other equine organizations.

-Monica Flaim

COLORADO STATE UNIVERSITY HORSE JUDGING TEAM

Colorado State University's Horse Judging Team, in existence since 1978, competes against other major universities throughout the country in judging halter and performance horses, in addition to giving oral reasons.

The team competes at five to six contests each year. In the spring, the American Paint Horse Association hosts and sponsors the Spring Sweepstakes Collegiate Judging Contest in Fort Worth, TX. Prior to the spring contest, the team travels for one week to various show farms, training stables and horse shows to prepare for the contest. In the fall, the team travels to the following contests: The All-American Quarter Horse Congress, Columbus, OH; The Arabian Nationals, Albuquerque, NM or Louisville, KY; The Quarter Horse World Championships, Oklahoma City, OK and the National Reining Horse Association Futurity, Oklahoma City, OK. By traveling to these contests, students have the opportunity to visit top industry breeding and training facilities and to see some of the best horses in the world.

Students in the horse judging class gain skills in evaluating horses shown at halter, western pleasure, hunter under saddle, reining, western riding, hunter hack, trail, pleasure driving, cattle events, and equitation. In addition to decision-making skills, students also sharpen their communication skills. Many students enrolled in the course wish to become an accredited judge after graduation.

In recent years, Colorado State has had one of the country's most successful horse judging teams. For instance, Colorado State has won each of the major contests at least once, including the Spring Sweepstakes, Morgan Nationals, Quarter Horse Congress, Arabian Nationals, Quarter Horse World Show, NRHA Futurity, and the National Western Stock Show. Colorado State is the only school to have won the AQHA World Show for three consecutive years.

For more information, contact Equine Sciences, Colorado State University, Fort Collins, CO 80523, (970) 491-8373.

COLORADO STATE UNIVERSITY POLO CLUB

Colorado State University Polo Club has been in existence since 1972, but the formal establishment of the club took place in 1977, largely due to club members Louis Lopez and Dylan Williams.

At one point in Colorado State's history, polo was a class taught in the Physical Education Department. The club obtained horses in January of 1979. Polo is currently funded through the Sports Recreational Department with a yearly-allocated amount directed by the Student Budget Committee. All members pay club dues each semester, which go toward feeding and care of the club ponies and the maintenance of tack, etc.

Prior to 1988, the club boarded the horses privately and held practice at an off-campus facility. In September 1988, the polo ponies were moved to the newly constructed Equine Teaching and Research Center at the Colorado State Foothills Campus, and the team began practicing in the indoor arena one night each week. In May, 1989, both the men's and the women's teams qualified for the National Championship games, both teams winning Reserve National Champion.

With increased enthusiasm and support in 1990 from faculty and administration within the Equine Science Program, Polo Club began a more focused approach to playing competitive collegiate polo, resulting in two consecutive National Championships in 1990 and 1991.

In the spring semester of 1996, 1997, 1998, and 1999, the club played in the regional tournament, which was a qualifier for nationals. In recent years, Colorado State Polo has gained national exposure, having again won the National Championship in 1999, drawing outstanding men and women players from all over the country.

The Polo Training Foundation, a division of the United States Polo Association, recognized the strong potential of talent at Colorado State and in 1989 began to help sponsor management for the organization. A hitting cage for practice purposes was donated to the Polo Club in 1995.

For more information, please contact:

Jason Bruemmer, Ph.D.
Faculty Advisor
Colorado State University Polo Club
Fort Collins, CO 80523
(970) 491-8373
jason.bruemmer@colostate.edu

RODEO CLUB

The Colorado State University (CSU) Rodeo Club is one of the largest and most active “club sports” organizations on the CSU campus. Our club consists of approximately 50 active members who work to promote the sport of rodeo and compete within the ranks of the National Intercollegiate Rodeo Association (NIRA). We have 25 club members who are active members of NIRA, who compete at the 10 NIRA sanctioned rodeos within the Central Rocky Mountain Region (Colorado and Wyoming). The top two individuals in each event and the top two teams within the region qualify to compete at the College National Finals Rodeo in June. CSU not only has the distinction of holding the first official college rodeo, but also has competed successfully on the regional and national level since then. The club members that do not compete in NIRA sanctioned rodeos enjoy the sport, friendships and activities of the club, and are an integral part of our organization.

Our club provides member students many opportunities to develop in areas such as leadership, social skills, ethics, business management, athletics, etc., all of which provide experiences beneficial to the overall education of its students. During the year, the club holds practice twice weekly as well as sponsors and hosts the *Skyline Stampede Rodeo*, the oldest collegiate rodeo in the country. We have additional fun raising activities during the year, which help provide support for the rodeo team and the club in general. Such efforts by the rodeo club in the past generated an endowment fund, from which scholarships are available on an annual basis.

The CSU Rodeo Club provides a rare opportunity for our students to compliment their education. Colorado State University provides educational opportunities that are not available at other institutions in the geographic region. CSU is the home of the premier Equine Sciences Program and College of Veterinary Medicine. All of this adds up to the fact that CSU is an excellent place for a rodeo contestant or enthusiast to obtain an exceptional education while being able to enjoy “their sport.”

For further information, please contact:

Dr. Norm Dalsted
Advisor
(970) 491-5627
norman.dalsted@colostate.edu

**Internship Program
Equine Sciences
Colorado State University**

History. The Internship Program was initiated during the Spring Quarter of 1971 to provide off-campus experiential learning for undergraduate students in Animal Sciences. Since its inception, more than 1500 students have participated in the voluntary program. Many of these students have been in majors other than Animal and Equine Sciences. Types of experiences have varied from commercial cow-calf operations to horse breeding farms, poultry, finance, agri-business, general farming, extension work, livestock marketing, veterinary medicine, zoos and many others. These experiences have occurred in nearly every state and numerous foreign countries. Now, the Equine Science Program has developed an internship program specific to the Equine Science undergraduates, to be coordinated by Equine instructor Tiare Wells.

Objectives. The objective of the program is to find students an opportunity to participate in an off-campus EDUCATIONAL experience. This experience helps the student to make more realistic choices of courses after returning to campus, and often challenges the student to make more realistic choices of courses after returning to campus, and often challenges the student to evaluate a particular carrier objective. Also, the cooperator or the “off-campus teacher” has an excellent opportunity to evaluate the employment potential of the student.

Requirements of the Program. A maximum of 12 credits per semester during the academic year and 8 credits during the summer period are allowed. No more than 16 total credits can be used towards graduation with Internship (AN 487) and Independent Study (AN 495). Forty (40) hours of Internship experience is expected per one (1) academic credit. It is strongly recommended that a student not use the last term of his/her senior year for the experience. Only students with a grade point average of 2.0 or above are eligible to participate. Grading is on a Satisfactory/Unsatisfactory basis.

The student is responsible for making all contacts and arrangements. To finalize the program, a Memorandum of Agreement is developed and signed by the student, the cooperator, the student’s adviser, the on-campus faculty member, the program coordinator and the department head. The program should be finalized by pre-registration time of the term prior to the time period that the student does the internship.

The student and cooperator are responsible for arranging for transportation to and from the place of employment, for housing and board and for protection and coverage (health and accident insurance, workman’s compensation, and liability insurance). A stipend (negotiable) may be paid to the student by the cooperator.

Evaluation. The on-campus supervisor has the primary responsibility of evaluating the internship experience. The student is responsible for obtaining their on-campus supervisor. This person can be any faculty member (usually the student’s adviser) in the Department of Animal Sciences. The recommendations of either “S” or “U” by the on-campus supervisor is based on weekly reports, a final paper and an evaluation form submitted by the student plus an evaluation form from the cooperator. The recommendation along with all documents is then submitted to the Program Coordinator.

Cooperator. Initial contact with a potential cooperator may be made by the student or at the suggestion of the adviser or program coordinator. Most cooperators desire to participate in the program because of their deep interest in helping young people with their education in agriculture. These programs are to be looked upon as educational experiences and not inexpensive labor. The cooperator becomes an educator primarily by involving the student in meaningful experiences. It is expected the student contribute enough effort to the operation to warrant the time spent by the cooperator.

For further information about the Internship Program, contact Tiare Wells, Program Coordinator, Equine Sciences, Colorado State University, Fort Collins, CO 80523

Phone: (970) 491-8373

Fax: (970) 491-8419

email: tiare.wells@colostate.edu

Equine Science Check Sheet FA 09

Name: _____ PID: _____

University Core Required

1A Written Communication

_____ CO 150 College Comp 3

1B Mathematics (3 crs)

_____ MATH 117, 118, and 124
OR one of the following:
 _____ MATH 141, 155 or 160

2B Advanced Writing

_____ CO 300, 301, 302, or JTC 300 3

3A Biological/Physical Sci

One Pair Required:

_____ CHEM 107/108 Fund Chemistry 5
 _____ CHEM 111/112 General Chem I 5

Required

_____ LIFE 102 Attrib of Living Sys 4

3B Arts/Humanities (6 crs)

_____ _____
 _____ _____

3C Social/Behavioral Sciences

_____ AREC 202 or ECON 202 3

3D Historical Perspectives (3 crs)

_____ _____

3E Global & Cultural Aware (3 crs)

_____ _____

University Graduation Requirements

Minimum: 120 credits
 42 upper division credits
 (300+ course level)
 2.0 CORE GPA
 2.0 Overall GPA

A minimum grade of C (2.0) is required in all ANEQ courses which are required for graduation

Equine Science Required

Orientation & Base Courses

_____ ANEQ 292 Eq. Industry Seminar 1
 _____ ANEQ 102 Intro to Equine Sci 4
 _____ ANEQ 230 A&P or BMS 300 3-4
 _____ SOCR 330, BZ 350 or MIP 450 3
 _____ SPCM 200 3
 _____ STAT 101, 110, 201, 301 or 307 3
3C _____ AREC 202 or ECON 202 3

4B Foundation Courses

_____ ANEQ 344 Equine Repro Mgt (F) 4
 _____ ANEQ 345 Equine Nutrition 3
 _____ ANEQ 346 Equine Disease Mgt (F) 3

4A,C Capstone Course

_____ ANEQ 440 Equine Prod & Ind 3

Experience (1 Course)

_____ ANEQ 475 Travel Abroad 2
 _____ ANEQ 487 Internship var
 _____ Study Abroad var

Applied (8 credits from 4 courses

Max 2 Food Animal Courses)

Equine Science Courses

_____ ANEQ 202 Horse Hand/Safety (F) 1
 _____ ANEQ 203 Equine Management (S) 2
 _____ ANEQ 249 Intro Trail Riding 1
 _____ ANEQ 315 Equine Behavior (S) 2
 _____ ANEQ 340 Horse Train Lab I (F) 3
 _____ ANEQ 341 Horse Train Lab II (S) 3
 _____ ANEQ 347 Equine Event Mgt (F,S,SS) 2
 _____ ANEQ 349 Packing & Outfitting 2
 _____ ANEQ 351 Therapeutic Riding 2
 _____ ANEQ 352 Intro Horse Eval 2
 _____ ANEQ 353 Advanced Horse Eval 3
 _____ ANEQ 358 Equine Sales Mgt I (F) 2
 _____ ANEQ 359 Equine Sales Mgt II (S) 2
 _____ ANEQ 384 Supv'd College Teach var
 _____ ANEQ 386A Stable Mgt (F) 2
 _____ ANEQ 386B Eq Repro Mgt (S,SS) 2
 _____ ANEQ 386C Farrier Pract (S) 1
 _____ ANEQ 442 Riding Inst Train 2
 _____ ANEQ 445 Foaling Mgt (S) 2
 _____ ANEQ 495 Independent Study var
 _____ ANEQ 496 Group Study var
 _____ 2__ Foreign Language (1course) var

Credit Limit for Graduation

ANEQ 352-357 & 361-364 Judging (5 crs)
 ANEQ 384 Supv'd College Teach (6 crs)
 ANEQ 487 Internship (6 crs)
 ANEQ 495 Independent Study (6 crs)
 ANEQ 496 Group Study (6 crs)

Maximum combination of above: 12 credits

Applied Continued

_____ ANEQ 220 Feeds & Feeding 2
 _____ ANEQ 250 Live Animal & Carcass Eval 3
 _____ ANEQ 286 Livestock Practicum 2
 _____ ANEQ 300 courses var
 _____ ANEQ 310 Animal Repro 3
 _____ ANEQ 312 An. Ultrasonography 2
 _____ ANEQ 320 Animal Nutrition 3
 _____ ANEQ 330 Animal Breeding 3
 _____ ANEQ/SOCR 448 Manure Mgt (F) 3

Business (15 credits) – Required

Select a total of 15 credits from any AREC or ECON course (except AREC202/ECON 202) or any business course of which 3 credits (maximum) may be a computer course. Access granted for the following business courses: ACT 205, BUS 205, FIN 305, MGT 305, MKT 305,

Elective Credits

Suggested Courses: ANEQ 500 Rec. Develop., ANEQ 522 An Metabolism, ANEQ 551 Field Necropsy, ANEQ 565 Interp. AnSc Res., BMS 430 Endocrinology, BMS 450 Pharmacology, MIP 300 General Microbiology + MB 302 Lab, MIP 342 Immunology, VS 331 Histology or BMS 330 Microscopic Anatomy

CSU: Vet School Requirements

For Vet School requirements see web site: <http://www.cvmb.colostate.edu/cvmb/PVMInforResources.htm>

 Student Signature Date

 Adviser Signature Date

Typical 4-Year Equine Science Program

Fall

Spring

Freshman

ANEQ 102	Intro to Equine Science	4
LIFE 102	Living Systems (CORE 3A)	4
SELECT	Hist Persp (CORE 3D)	3
MATH	Math 117, 118, 124	<u>3-4</u>
	Or Math 141,155,160,125 or 126	
		14-15

SELECT	Chemistry (CORE 3A)	5
CO 150	College Composition (CORE 1A)	3
SELECT	Arts & Hum (CORE 3B)	3
SPCM 200	Public Speaking	3
ANEQ 292	Equine Industry Seminar	<u>1</u>
		15

Sophomore

AREC 202	Ag./Nat. Res Econ (CORE 3C)	3
SELECT	Statistics	3
SELECT	Business Elective	3
ANEQ 230	Farm Animal Anatomy	3
SELECT	Elective	<u>3</u>
		15

SELECT	Business Elective	3
SELECT	Arts & Hum (CORE 3B)	3
SOCR 330/BZ 350	Genetics	
	OR	
ANEQ 345	Equine Nutrition	3
SELECT	Electives	<u>6</u>
		15

Junior

EXPERIENCE: Internship/Study Abroad/ Travel Abroad (F, S, SS) Min 2- Max 6

SELECT	Applied Course	2
ANEQ 346	Equine Disease Mgt	
	OR	
ANEQ 344	Equine Repro Mgt	3-4
SELECT	Global and Cult (CORE 3E)	3
SELECT	Business Elective	3
SELECT	Elective	<u>3</u>
		14-15

SELECT	Applied Course	2
SELECT	Advanced Writing (CORE 2B)	3
SELECT	Business Elective	3
ANEQ 345	Equine Nutrition	
	OR	
SOCR 330/BZ 350	Genetics	3
SELECT	Electives	<u>3</u>
		14

Senior

SELECT	Electives	4
ANEQ 346	Equine Disease Mgt	
	OR	
ANEQ 344	Equine Repro Mgt	3-4
SELECT	Business Elective	3
SELECT	Applied Course	<u>2</u>
		12-13

ANEQ 440	Equine Production & Industry	3
SELECT	Applied Course	2
SELECT	Electives	<u>5-14</u>
		10-19

(F) Fall only, (S) Spring only (SS = Summer session)

See tab RAMweb then under "Class Schedule" at (<http://rampoint.colostate.edu/cp/home/loginf>) for list of available courses, registration and CORE requirements! Course Catalog is also available at the same location.

INFORMATION FOR POTENTIAL TRANSFER STUDENTS

It is not unusual for students to begin their college career at an institution and then wish to transfer to another. In 2001-02, transfer students made up approximately 50% of the new undergraduates in the Equine Sciences program. However, unlike incoming freshman from high schools, transfer students have special concerns related to the loss of credits for courses they have already taken. Following is a list of considerations for transfer students:

1. If you plan to transfer to Colorado State University, we strongly suggest that you obtain a course checklist for the Equine Sciences major and use it as a guide when planning your course schedule. Lack of planning may result in loss of credits.
2. General studies courses such as composition, math, speech, arts, humanities, computer science, economics, biology, chemistry and social science are easier to transfer than technical courses and will usually transfer to fill the groups required for graduation from Colorado State University. Classes of a vocational or technical nature will generally not transfer. This usually includes courses related to horses.
3. A maximum of 64 credits are transferable to Colorado State University from a two-year or junior college. A maximum of 96 credits can be transferred from a four-year land-grant institution. The difference between the number of credits transferred and 120 credits is the minimum requirement for graduation from Colorado State University. A minimum of 32 credits must be completed in residence at Colorado State as an Equine Science major.
4. Credit will only be given for courses with a C grade or better, but transfer grades do not calculate into a student's Colorado State University GPA.
5. Graduation from Colorado State University requires completion of 42 upper division credits (300 or 400 level). Courses from a two-year community or junior college do not fulfill these requirements. Do not assume that if a course transfers, that it automatically will be accepted by the Department of Animal Sciences to fulfill anything other than an elective. Check with a Key Advisor if you have any concerns or questions.

COLORADO STATE UNIVERSITY SCHOLARSHIP LINKS

[http:// www.colostate.edu/](http://www.colostate.edu/)

For Scholarship Information

<http://www.sfs.colostate.edu>

Go to Scholarships, then go to Freshman Scholarship Guide.
Click on Academic College Scholarships, then choose the college
your major is located in.

Equine Sciences falls under the Colleges of Agricultural Sciences
and Veterinary Medicine and Biomedical Sciences.

College of Agricultural Sciences Scholarship Data for 2005:

Total Awards given: 238

Total Award Dollars given: \$514,796.00

FORT COLLINS AREA BOARDING AND TRAINING FACILITIES

Name	Amenities	Trainer/Instructor
Buckeye Ranch 3724 N CR 13 Fort Collins, CO 80524 (970) 224-2501 buckeyeran@aol.com	Small Indoor Arena Outdoor Arena Roundpen	Horse Trainer: No Instructor: No Lesson Horses Available: No
Canyon Equine Center 6109 N US Hwy 287 La Porte, CO 80535 (970) 484-7351 sandykarn@frii.com	Indoor Arena Outdoor Arena Roundpen Heated Barn	Horse Trainer: English and Western Instructor: Same Lesson Horses Available: Yes
Clearview Farm 120 S CR 3 Fort Collins, CO 80524 (970) 221-4035	Outdoor Arena Roundpen	Horse Trainer: Dressage and Jumping Instructor: Dressage, Jumping, and Eventing Lesson Horses Available: N/A
Deer Valley Ranch (970) 690-1478	Private Paddocks Pasture Board w/ Shelters Stalls w/ Turnout	Lessons & Training Available
Stone Gate Ranch 3628 N. Taft Hill Rd. Fort Collins, CO (970) 430-0181	Indoor, Outdoor Arena Cross-Country Course Roundpen	Horse Trainer: Dressage and Eventing Instructor: Same Lesson Horses Available: Yes
Equines, Etc 35655 N. Hwy 287 Virginia Dale, CO 80536 (970) 221-3176	Outdoor Arena Dressage Arena	Horse Trainer: Eventing, Hunter, and Western Instructor: Same Lesson Horses Available: Yes
Flying Star Stables 1044 WCR 15 Brighton, CO 80601 (303) 655-1815	Outdoor Arena Roundpen	Trainer: Colt Breaking, Dressage Instructor: Same Lesson Horses Available: Yes
Fort Collins Equestrian Center 5400 E. Hwy 14 (Mulberry) Fort Collins, CO 80524 (970) 221-3010 fortcollinsequestrian.com	Heated Indoor Arena 2 Outdoor Arenas Roundpen	Trainers: Hunter/Jumper and Dressage Lessons: Same Lesson Horses Available: Yes
Four Winds 2504 N Shields Fort Collins, CO 80524 (970) 482-0767 www.fourwinds.net	Indoor Arena 2 Outdoor Arenas Roundpen	Horse Trainer: Hunter/Jumper Instructor: Hunter/Jumper, and Equitation Lesson Horses Available: Yes
Fox Ridge Ranch 5005 E CR 66 Wellington, CO 80549 (970) 568-3268	Outdoor Arena Roundpen	Horse Trainer: No Instructor: No Lesson Horses Available: No

<p>Greenshire Stables 4205 S CR 7 Fort Collins, CO 80525 (970) 226-4664 hcnorris@aol.com</p>	<p>Outdoor Arena Roundpen</p>	<p>Horse Trainer: English and Dressage Instructor: English, Dressage, and Western Pleasure Lesson Horses Available: Yes</p>
<p>High Country Stables 2000 N Whitcomb Fort Collins, CO 80524 Barn: (970) 493-9428 Cell: (970) 581-1455 www.highcountrystables.biz</p>	<p>Heated Indoor Arena, Huge Lighted Outdoor Arena, Outdoor Lesson Arena 2 Round Pens, 2 Turn- out Areas, On-site Tack Store</p>	<p>Horse Trainer: Dressage, English, Western, Saddle Seat, Driving Instructor: Dressage, English, Western, Saddle Seat, Driving, Children's program Lesson Horses Available: Yes Horses for sale and lease available</p>
<p>High Flying Farm 1025 E Douglas Rd Fort Collins, CO 80524 (970) 482-0433</p>	<p>2 Outdoor Arenas Mechanical Calf</p>	<p>Horse Trainer: Western, English, and Centered Riding Instructor: Same Lesson Horses Available: Yes</p>
<p>Jolly Ridge Farm 4528 CR 54G Fort Collins, CO 80535 (970) 221-3237</p>	<p>Indoor Arena Outdoor Arena 2 Roundpens</p>	<p>Horse Trainer: No Instructor: Beginner Dressage and Jumping Lesson Horses Available: Yes</p>
<p>Last Resort Equine Center 851 W County Rd. 70 Fort Collins, CO 80524 (970) 568-7682</p>	<p>Indoor Arena Outdoor Arena 2 Roundpens</p>	<p>Horse Trainer: No Instructor: Yes Lesson Horses Available: N/A</p>
<p>Last Stand Stable 7875 N. Taft Hill Rd. Fort Collins, CO 80524 (970) 568-7903 info@laststand.com</p>	<p>Indoor Arena 2 Outdoor Arenas Roundpen</p>	<p>Trainer: No Instructor: No</p>
<p>Legacy Stables 4501 NCR 9 Fort Collins, CO 80524 (970) 493-3013 sykesben@aol.com www.legacystable.com</p>	<p>Indoor arena 2 Outdoor arenas Roundpen</p>	<p>Trainer: Hunter, Dressage, and Saddle Seat Instructor: Same Lesson Horses Available: Yes</p>
<p>Lone Wolf Farms 6025 Otero Ave Loveland, CO 80538 (970) 667-7117 choisington@gmail.com</p>	<p>Indoor Arena Outdoor Arena Roundpen</p>	<p>Trainer: Yes Instructor: Yes Lesson Horses Available: Yes</p>
<p>Lynchland Stables Prospect & I-25 Fort Collins, CO (970) 412-7070 Jackielynch@earthlink.net www.lynchlandstables.com</p>	<p>Indoor Arena 2 Outdoor Arena Dressage Arena Roundpen</p>	<p>Trainer: Susan Herlihy—Hunter and Jumper Jackie Lynch—English and Western Bridgette Schmidt—Dressage Instructors: Same Lesson Horses Available: Yes</p>

Moonraker Quarter Horses 51320 CR 33 Nunn, CO 80648 (970) 897-3185	Outdoor Arena Roundpen	Trainer: Western Instructor: Same Lesson Horses Available: Yes
Mountain View Stables 2100 SE Frontage Rd. Fort Collins, CO 80525 (970)490-5981 rperson2@aol.com mvsaa.com	Indoor Arena 2 Outdoor Arenas 2 Roundpens	Trainer: Western, English, Dressage, and Hunter/Jumper Instructor: Same Lesson Horses Available: Yes
Nytes Boarding Stable 5318 S. Timberline Rd. Fort Collins, CO 80528 (970) 988-6587	Outdoor Arena Available	Trainer: No Instructor: No Lesson Horses Available: No
Phantom Hill Farm 7808 S. Lemay Fort Collins, CO 80525 (970) 225-1408 www.phantomhillfarm.com	Indoor Arena Outdoor Arena	No Boarding—Training Only Trainer: Dressage Instructor: Same Lesson Horses Available: Yes
Odyssey Farms, LLC aka Just-A-Buck Ranch 11759 Buckhorn Rd. Masonville, CO 80541 (970) 227-1425	Outdoor Arena(s) lighted Roundpen(s)	Trainer: Yes Western/ranch horse Instructor: Yes Western/ranch horse
Poudre River Stables 930 N. Shields Fort Collins, CO 80521 (970) 224-1215 PRStables@aol.com PRStables@msn.com	Outdoor Arena(s) Roundpen(s) Trails Jumps Farm borders extensive river trail system	Trainer: No Instructor: Yes Western & English
Rivendell Ranch 6408 ECR 44 Fort Collins, CO 80524 (970) 224-2081	Outdoor Arena	No Boarding—Training Only Trainer: Yes Instructor: Yes Lesson Horses Available: Yes
Rocky Mountain Lazy J Bar S Ranch 3756 W. County Rd. 16 Loveland, CO 80537 (970)669-1349 jbars@aol.com www.jbars.com	Indoor Arena Outdoor Arena 4 Roundpens	Trainer: All Disciplines Instructor: Same Lesson Horses Available: Yes
Silver Cloud Arabians	Lighted Outdoor Arena	Trainer: English and Western Instructor: English and Western

40720 N. WCR 15 Fort Collins, CO 80524 (970) 402-3437 www.silvercloudarabians.com	Lighted 60' round pen Trails Trail Course	Lesson Horses Available: Yes
Southwinds 4400 CR 34E Fort Collins, CO 80528 (970) 282-3612	Outdoor Arena Roundpen	Trainer: Western Instructor: Same Lesson Horses Available: No
Stonestreet Stables 5429 E. County Rd. 58 Fort Collins, CO 80524 (970) 568-7939 www.stonestreetstables.com	Indoor Arena Outdoor Arena Jumping Arena 3 Roundpens	Trainer: English and Western Instructor: Same Lesson Horses Available: Yes
Stout Wild Ranch 8467 NCR 17 Fort Collins, CO 80524 (970)568-3224		
Sunset Stables 1340 N. Taft Hill Rd. Fort Collins, CO 80521 (970)484-6039 estanton@lamar.colostate.edu www.fortcollinsstables.com	Outdoor Arena Trails Therapeutic riding class	Trainer: No Instructor: No
Sunset Stables West 1632 N. Overland Trail Fort Collins, CO 80521 (970) 217-1016 www.fortcollinsstables.com	Indoor Arena Outdoor Arena	Trainer: Dressage, Jumping, and Western Instructor: Same Lesson Horses Available: No
Town & Country Stables 2407 W. Drake Rd. Fort Collins, CO 80526 (970) 223-8404	Outdoor Arena Indoor Arena Roundpen	Trainer: No Instructor: No
WE2 Quarter Horses 6520 E. County Rd. 44 Fort Collins, CO 80524 (970) 481-7507 Vet owned www.sisboldt@aol.com	Indoor Arena Outdoor Arena Roundpen Hot Walker	Trainer: No Instructor: Neighboring Hunter/Jumper Instruction Lesson Horses Available: No