



AGRICULTURE & EQUINE

Bachelor of Applied Science in Organizational Management and Leadership: Agricultural Leadership Option

Degree Outcomes

Integrate management and behavioral principles when leading and organizing agricultural producers and consumers of agricultural products.

- Develop the intrapersonal and interpersonal skills necessary to become ethical, effective leaders in the agricultural industry.
- Evaluate the impact of individual and organizational decision-making on the ever-changing global systems of food, fiber, and medicine production.
- Formulate effective communication skills across multiple media systems, including oral, written, and digital communications.



- Develop strategies for building and sustaining an ethical organizational culture that is respectful and mindful of our limited natural resources.
- Integrate cultural awareness and an appreciation for diversity into the management and leadership of the agricultural industry.
- Articulate the effects of various forms of power and influence in both private and public (USDA) agricultural organizations.

Courses

- Applied Ethics: US and World Agriculture
- Agriculture Capstone: Crops and Forages
- Communications and Conflicts
- Management and Leadership Capstone
- Industrial Organizational Psychology Leading Others
- Agricultural Economics
- Agriculture Internship: Innovative Change Leadership
- Financial Analysis Budgeting
- Personal Leadership
- Business Ethics Innovation Management
- Agriculture Law
- Business and Entrepreneurship Capstone: Agriculture Marketing
- Foundations of Leadership
- Cross-Cultural Psychology
- Management and Organization

Non-Discrimination Statement

Consistent with its mission to value diversity and to treat all individuals with dignity and respect, Central Wyoming College does not discriminate on the basis of race, color, religion, sex (including pregnancy, sexual orientations, marital status, or gender identity), national origin, age, disability (mental and/or physical), veteran status, or genetic information in admission, or access to, or treatment, or employment in its educational program services or any other activities. The college makes reasonable accommodations to serve students with special needs and offers services to students who have the ability to benefit. Inquiries concerning:

- Title VII and Title IX may be referred to Jennifer Appleby, Director of Human Resources, Central Wyoming College, 2660 Peck Avenue, Riverton, WY 82501 (307) 855-2112

- Section 504 of the Rehabilitation Act may be referred to: Nicole Schoening, CWC Counselor and Disability Services Coordinator, Central Wyoming College, 2660 Peck Avenue, Riverton, WY 82501 (307) 855-2011. Inquiries may also be sent to the Office of Civil Rights for Wyoming at Denver Office, Office of Civil Rights, U.S. Department of Education, Federal Building, 1244 Speer Blvd, Suite 310, Denver, CO 80204-3582, 303-844-5695, Fax 303-844-4303, TDD 303-844-3417, email OCR_Denver@ed.gov.

Agri-Business / Ag/ Animal Science / Ag/ Agriculture Range Management

Agri-Business: Learn the foundations of business procedures to efficiently manage financial operations in an ag-related business.

Ag/ Animal Science: Learn aspects of the animal science field and related industries. Focus on the economics of livestock production, which includes management and marketing. Gain knowledge in the nutrition of domestic livestock such as cattle, sheep, goat and swine. Livestock reproduction and disease treatment and prevention are also at the basis of this program. Gain knowledge and skills for a successful career in the animal science field.

Agriculture Range Management is focused on experiential, field-based learning that explores range management, domestic livestock, wildlife management, soil and plant life as well as production techniques. Learn applied techniques to best manage land, resources, livestock, and wildlife sustainably. This program has an emphasis on internships and professional development by utilizing co-op work experience in the community.



Degree/Certificates

- Associate of Science

Learn Skills

- Farm & Ranch Business Management
- Feeds & Feeding
- Livestock Production
- Rangeland Plant Identification
- Soil Science
- Water Resources

Snapshot

- Work with local ranchers & farmers
- Experience fieldwork
- Explore agriculture industry concepts & practices
- Explore & learn agriculture technology
- Acquire the knowledge & skills to handle today's challenges in agriculture
- Scholarships

Pathways to...

- Transfer to a four-year college or university
- Careers in:
Ag Business, Loan Officers, Range Conservation
Farm and Ranch Management, Animal Care and
Nutrition, Park/Forestry Service, Farm and Crop
Support, Government Supports/Services

Animal Science/ Meat Science

Be a leader in the shift of our country's food systems! Today's consumer wants a face behind their food. To support the revision of the meat economy, the meat science program will train the next generation of butchers to be able to invigorate and establish a refreshed meat processing and marketing system supported by small to mid-scale, locally-minded meat enterprises.

Students will learn livestock handling, animal processing, and butchering techniques. Open to all adult students from 18+. This program is perfect for those who enjoy hands-on work.

There are plenty of job opportunities with processing plants nationwide urgently seeking graduates.

The new Rustler Ag and Equine complex has a state-of-the-art new Meat lab. We are USDA and will be processing animals from around the community. This will give the students a hands-on program where they learn all aspects of the meat industry. The new facility will allow us to teach students to be part of the industry. The meat industry is in dire need of workers, inspectors, researchers, and many other careers.

Central Wyoming College is the only community college in the state offering a hands-on meat science degree and certificates.



Degree/Certificates

- Associate of Science
- Certificates

Learn Skills

- Animal Science
- Biology
- Food & Well Being- Food Safety
- Livestock Harvest
- Meat Animal Fabrication

Snapshot

- Work with local ranchers & farmers
- Learn food safety
- Experience hands-on learning
- Explore the meat processing field and beyond
- Learn meat processing technology
- Acquire the knowledge & skills to handle today's challenges in agriculture
- Scholarships

Pathways to...

- Transfer to a four-year college or university
- Careers in:
Meat Processing, Meat Departments in Grocery or Retail Stores, State or USDA Inspectors, Own and Operate Your Own Processing Plant



Farm & Ranch Resource Management

In-field experience around the community is at the core of this program. Gain practical skills and learn the foundations of any agriculture-related degree. Hands-on opportunities such as feed efficiency trials, local meat processing, bull testing, crop studies, and more, are essential in this field of study.

Farm & Ranch Management develops basic analytical skills for livestock production, water resources, and grazing and forage management. Learn about the importance of crop rotation, soil science, and livestock nutrition.

Utilize key business concepts such as strategic planning, analyzing financial feasibility, cash flow, marketing, and human resource management that are essential to managing or operating an ag-related business.



Degree/Certificates

- Associate of Science
- Certificates

Learn Skills

- Agroecology
- Feeds & Feeding
- Intro to Range Management
- Livestock Production
- Rangeland Plant Identification
- Soil Science

Snapshot

- Work with local ranchers and farmers
- Experience fieldwork
- Explore and learn agriculture technology
- Acquire the knowledge and skills to handle today's challenges in agriculture
- Learn highly sought-after skills in farm management by creating value-added solutions for promoting agricultural goods
- Scholarships

Pathways to...

- Own/operate an agriculture business
- Manage crop production operations
- Manage livestock production operations

Equine Science / Equine Management / Equine Training

Interact and learn with horses through this program. Utilize the year-round facilities and livestock to hone in on the science, philosophy and methodology of training, caring for, and management for horses. Earn a degree or earn certificates to advance equine skills for the workforce.

Equine Management provides equine management artistry and opportunities to integrate the experience into day-to-day equine production, health, business, and training practices. Seize opportunities for specific interests and take electives to learn additional skills in equine.

The Equine Science program offers a variety of knowledge in the equine world. Learn skills in equine management, equine nutrition, horsemanship, horse training and have the foundations needed to continue an education at a four-year institute or start your own business. Students must supply a horse and tack for this program. You and your horse will leave this program with more skills and knowledge.



Degree/Certificates

- Associate of Applied Science
- Associate of Science
- Certificates - Training Option, Farrier Science, Teaching Riding, Equine Training

Learn Skills

- Horsemanship
- Equine Nutrition
- English Equitation
- Teaching Riding
- Farrier Science
- Horse Production
- Stock Horse and Showing
- Training the Cutting Horse
- Training the Rope Horse
- Training the Barrel Horse
- Developing the Young Horse

Snapshot

- Learn Western and English riding
- Work cattle with your horse
- Study equine nutrition; the key to a happy, healthy horse
- Become a CHA Certified Riding Instructor
- Learn key leadership skills through your horsemanship journey
- Join the Collegiate Ranch Horse Team or Rodeo Team
- Scholarship Opportunities Available

Pathways to...

- Transfer to a four-year college or university for a bachelor's of equine or animal science
- Internships
- Starting your own business
- Careers in:
 - Equine Nutrition, Horse Training, Riding Instruction, Broodmare Managing, Equine Event Producing, Equine Sales, Marketing and more.

Regenerative Food Systems

Focusing on diverse crop production practices, business development skills, and community engagement, the regenerative food systems program prepares students to run their own farm business or be employed in a variety of positions focusing on soil health, horticulture, food security, and production

As a community college, we know local. Our goal is to help aspiring and beginning farmers develop financially and environmentally sustainable farm businesses through hands-on learning at our student farm and controlled environment agriculture facilities, showcasing unique and diverse production practices.



Degree/Certificates

- Associate of Science
- Certificates

Learn Skills

- Seed-to-harvest vegetable crop production
- Crop planning
- Soil health management
- Season extension and controlled environment agriculture
- Pest, disease, and weed management
- Irrigation management
- Basic business planning
- Financial recordkeeping

Snapshot

- Visit well-established local and regional farms
- Gain skills in hydroponic vegetable production
- Experience developing and maintaining markets for produce
- Create individual business plans
- Upon completion, students will have the opportunity to lease farm incubator plots to apply their new skills and start their own farm business

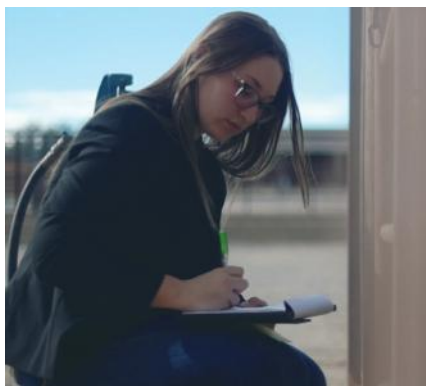
Pathways to...

- Internships
- Non-profit work
- Advocacy and policy
- Careers in:
Market farming, Horticulture, Community food security, Food system development, Agricultural resource management, Agritourism, and more.

Rodeo Team

The Central Wyoming College Rodeo team competes in the Central Rocky Mountain Region of the National Intercollegiate Rodeo Association. The success of our Student Athletes in the classroom and in the arena is highly important to us. For the Fall of 2024 our men's team GPA was 3.4 our women's team GPA was 3.2. Our Complex offers our athletes the ability to board horses through the academic year in options of runs or pens.

We use our state-of-the-art practice facility with two indoor arenas and one outdoor arena throughout the entire academic year. With 4 coaches on staff and four clinic opportunities for multiple disciplines throughout the academic year, the athletes are encouraged to develop their skills to the best of their abilities through individual instruction. Utilizing Smarty roping and rodeo tools such as the Smarty Horse Saver, Smarty Bronc, Smarty Bulldogger steer, Smarty the Calf and Smarty the Steer, our athletes are able to maximize their growth inside the practice pen. We provide multiple sets of quality stock year round for all events - goats, calves, and steers. As well as horses and bulls from Sankey Pro Rodeo and Howl Rodeo Bulls.



Ranch Horse Team

CWC Ranch Horse Team competes in various Divisions and Classes to show their horses' skills and abilities as well as their own!

The 4 Classes consist of Trail, Pleasure, Reining, and Cow Work. The 4 Divisions include Open, Non-Pro, Limited Non-Pro and Novice. Our goal is to improve students' horsemanship skills, training abilities, and overall showmanship.

Horses and riders are judged on appearance, confirmation, willingness, and efficiency.

Livestock Judging Team

The livestock judging team travels and competes on a local, regional, and national level. Travel with the team allows students with an interest in livestock to see some of the most progressive and influential livestock operations throughout the country.

Students on the judging team are not responsible for any costs associated with travel, lodging, or contest entry fees, because we work hard through our fundraising efforts. Students will learn about market and breeding beef, swine, sheep and goats.

Academics are a strong component of the program and our students are committed to academic excellence. With a quality education, livestock judging experience students can bring that knowledge back to the community, their own herds or businesses. Students can transfer onto a 4-year University or stay here and get the BAS Ag Leadership degree.

Students will learn to identify characteristics of high-quality animals and bring that knowledge back to the community, their own herds or businesses.



All about the Rustler Ag & Equine Complex

There are generations of knowledge on Wyoming farms and ranches. To share it, Wyoming needs agriculture innovation centers and exchanges. CWC's Rustler Ag & Equine Complex will research and teach the best of traditional practices alongside new livestock production and health methods and technologies. It will explore new techniques in farm-to-table, food production, agribusiness, and entrepreneurship.

By leveraging local resources and the Rustler Ag & Equine Complex, Central Wyoming College can:

- Educate and equip the agriculture workforce
- Train the leaders essential for building a robust agricultural economy for the region
- Attract regional events to enhance existing agriculture and equine operations
- Be a catalyst for opportunities within our tourism corridor for local food, culinary, agriculture, and equine economic development and advancement



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To learn more about the program, visit
www.cw.edu/programs/agriculture-equine