

## **Agriculture, Food & Natural Resources**

- Animal Science\*
- Agribusiness Systems
- Food Products & Processing Systems\*
- Natural Resource & Environmental Systems\*
- Plant Science\*
- Power, Structural & Technical Systems\*

## **Energy**

- Electromechanical Generation & Maintenance\*
- Electrical Energy Transmission & Distribution\*
- Energy Efficiency & Environmental Technology\*
- Fossil Energy Extraction, Processing & Distribution\*
- Renewable Energy Production\*

\* *STEM affiliated pathway*

**Agriculture, Natural  
Resources & Energy**

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Career Planning to explore more career options.**

# Careers in Agriculture, Natural Resources & Energy

These are just a few careers available in each category. There are hundreds more!  
For more careers in each cluster, go to [CollegelInColorado.org](http://CollegelInColorado.org).

## Agriculture, Food & Natural Resources

- Agricultural Equipment Operator**
- Animal Breeder**
- Animal Caretaker**
- Arborist**
- Avalanche Technician**
- Brewmaster**
- Cereal Chemist**
- Commercial Driver**
- Crop/Livestock Manager**
- Dolphin Researcher**
- Drilling Engineer**
- Environmental Scientist/Specialist**
- Exotic Animal Farmer**
- Farmer/Rancher**
- Fish and Game Warden**
- Forester**
- Killer Whale Trainer**
- Marine Biologist**
- Miner**
- Oil Well Driller**
- Soil Scientist**
- Wildlife Rehabilitator**

## Energy

- Alternative Energy Researcher**
- Commercial and Industrial Designer**
- Computer & Information Scientist**
- Construction Laborer**
- Electrical Engineer**
- Electrical Power-Line Installer & Repairer**
- Electrician**
- Environmental Engineer**
- Environmental Engineer Technician**
- Gas Plant Operator**
- Geoscientist**
- Industrial Engineer**
- Microbiologist**
- Mechanical Engineer**
- Petroleum Engineer**
- Pipelayer**
- Power Plant Operator**
- Power Trader**
- Semiconductor Technician**
- Wellhead Pumper**

## Skilled Trades & Technical Sciences

### Architecture & Construction

- Construction
- Design & Pre-construction\*
- Maintenance & Operations

### Manufacturing

- Health, Safety & Environmental Assurance
- Logistics & Inventory Control
- Manufacturing Production
- Maintenance, Installation & Repair
- Production/Process Technology\*
- Quality Assurance

### Transportation, Distribution & Logistics

- Facility & Mobile Equipment Maintenance
- Health, Safety & Environmental Management
- Logistics, Planning & Management Services
- Planning, Management & Regulation
- Sales & Service
- Transportation Operations
- Transportation/Systems Infrastructure
- Warehousing & Distribution Center Operations

\* STEM affiliated pathway

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# Careers in Skilled Trades and Technical Sciences

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## Architecture & Construction

Architect  
Brick Mason  
Chimney Sweep  
Construction and Building Inspector  
Construction Manager  
Electrician  
Facility Designer  
Feng Shui Consultant  
Furniture Designer  
Golf Course Designer  
Home Inspector  
Land Surveyor  
Landscape Architect  
Mechanical Drafter  
Painter  
Pipefitter  
Plumber  
Roofer  
Stonemason  
Surveyor  
Installer/Repairer

## Manufacturing

Civil Engineer Technician  
Drilling/Boring Machine Worker  
Electrical Engineering Technician  
Engraver/Etcher  
Furniture Finisher  
Gemstone Cutter  
General Maintenance Repairer  
Home Appliance Repairer  
Industrial Machinery Mechanic  
Iron Worker  
Jewelry Designer  
Machinist  
Mechanics and Repairer Supervisor  
Millwright  
Production Supervisor  
Pyrotechnician  
Robotics Technologist  
Shoemaker and Repairer  
Tool and Die Maker  
Underwater Welder  
Welder/Cutter

## Transportation, Distribution & Logistics

Air Traffic Controller  
Aircraft Mechanic  
Aircraft Pilot/Flight  
Auto Detailer  
Automobile Mechanic  
Automotive Body Repairer  
Aviation Accident Investigator  
Bicycle Repairer  
Bike Designer  
Boat/Ship Captain  
Flight Attendant  
Harbor Master  
Heavy Equipment Operator  
House and Structural Mover  
Locomotive Engineer  
Longshore Worker  
Motorcycle Mechanic  
Postal Worker  
Rail Car Repairer  
Test Pilot  
Traffic Engineer  
Urban Planner

## Hospitality, Human Services & Education

### Hospitality & Tourism

- Lodging
- Recreation, Amusements & Attractions
- Restaurants & Food & Beverage Services
- Travel & Tourism

### Human Services

- Consumer Services
- Counseling & Mental Health Services
- Early Childhood Development
- Family & Community Services
- Personal Care Services

### Education & Training

- Administration and Administrative Support
- Professional Support Services
- Teaching and Training

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# Careers in Hospitality, Human Services & Education

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## Hospitality & Tourism

**Athletic Director**  
**Bed and Breakfast Operator**  
**Camp Director**  
**Caterer**  
**Chef**  
**Concierge**  
**Cruise Director**  
**Food Science Technician**  
**Football Coach**  
**Golf Club Manager**  
**Hotel/Motel Manager**  
**Mountain Guide**  
**Pool and Spa Operator**  
**Recreation Therapist**  
**Scuba Diving Instructor**  
**Ski Resort Manager**  
**Snowboard Designer**  
**Sports Scout**  
**Travel Agent**  
**Tour Guide**  
**Umpire/Referee**  
**Yoga Instructor**

## Human Services

**Adoption Counselor**  
**Behavioral Analyst**  
**Child Psychologist**  
**Clergy**  
**Community Organizer**  
**Counseling Psychologist**  
**Criminologist**  
**Dream Therapist**  
**Eating Disorder Counselor**  
**Hairdresser/Cosmetologist**  
**Image Consultant**  
**Makeup Artist**  
**Manicurist/Pedicurist**  
**Marriage and Family Therapist**  
**Missionary**  
**Music Therapist**  
**Personal and Homecare Aide**  
**Psychologist**  
**Skin Care Specialist**  
**Social Worker**  
**Sports Psychologist**  
**Victim Advocate**  
**Wedding Consultant**

## Education & Training

**Adult Education Teacher**  
**Aerobics Instructor**  
**Athletic Trainer**  
**Basketball Coach**  
**Child Care Center Administrator**  
**College Academic Advisor**  
**College Admissions Counselor**  
**Elementary School Teacher**  
**English Language Teacher**  
**Fitness Trainer**  
**High School Drama Teacher**  
**Interpreter/Translator**  
**Kindergarten Teacher**  
**Media Trainer**  
**Pre-School Teacher**  
**Principal**  
**Secondary School Teacher**  
**School Superintendent**  
**School/Career Counselor**  
**Ski Instructor**  
**Special Education Teacher**  
**Swim Coach**

## Health Science, Criminal Justice & Public Safety

### Health Science

- Biotechnology Research & Development\*
- Diagnostic Services\*
- Health Informatics
- Supportive services
- Therapeutic Services\*

### Law, Public Safety, Corrections & Security

- Correction Services
- Emergency & Fire Management Services\*
- Law Enforcement Service
- Security & Protective Services

*\* STEM affiliated pathway*

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# Careers in Health Science, Criminal Justice & Public Safety

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## Health Science

- Art Therapist
- Chinese Medicine Practitioner
- Clinical Research Physician
- Dermatologist
- Dietitian/Nutritionist
- DNA Analyst
- Embalmer
- Emergency Medical Technician
- ER Nurse
- Family Physician
- Forensic Nurse
- Kinesiologist
- Massage Therapist
- Midwife
- Pediatric Nurse
- Pediatrician
- Radiation Therapist
- Registered Nurse
- Sports Doctor
- Surgeon
- Veterinarian
- Veterinary Technician

## Law, Public Safety, Corrections & Security

- Air Crew Member
- Automotive Forensic Investigator
- Correctional Officer
- Crime Prevention Specialist
- Cryptographer
- Cyber Detective
- Emergency Management Specialist
- FBI Agent
- Fingerprint Expert
- Fire Fighter
- Flight Operations Specialist
- Forensic Artist
- Hostage Negotiator
- Intelligence Officer
- Juvenile Detention Officer
- Missile Crew Member
- Police Detective
- Police Patrol Officer
- Search and Rescue Coordinator
- Smokejumper
- Space Operations Officer
- Survival Equipment Specialist
- Weapons Maintenance Technician



## **Management and Administration**

- Administrative Services
- Business Information Technology
- Corporate/General Management
- Human Resource Management
- Operations Management

## **Marketing**

- Marketing Communications
- Marketing Management
- Marketing Research
- Merchandising
- Professional Sales/ Sales Management

## **Finance**

- Accounting
- Banking Services
- Corporate Finance
- Insurance
- Securities & Investments

## **Government & Public Administration**

- Foreign Service
- Governance
- Legal Services
- Planning
- Public Management & Administration
- Regulation
- Revenue & Taxation

**Business, Marketing & Public Administration**

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# Careers in Business, Marketing & Public Administration

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## Finance

- Accountant
- Auditor
- Bank Teller
- Bankruptcy Trustee
- Budget Analyst
- Commercial Account Manager
- Credit Analyst
- Credit Checker
- Currency Trader
- Economist
- Financial Analyst
- Financial Planner
- Insurance Claim Examiner
- Insurance Inspector
- Investment Banker
- Loan Officer
- Payroll Clerk
- Power Trader
- Risk Manager
- Statistician
- Stockbroker
- Tax Examiner/Revenue Agent

## Government & Public Administration

- Ambassador
- Bailiff
- Building Inspector
- Corporate Lawyer
- Court Reporter
- Criminal Defense Lawyer
- Foreign Service Officer
- Health Inspector
- Immigration Lawyer
- Judge/Magistrate
- Lawyer
- Legal Technician
- Licensing Examiner/Inspector
- Notary Public
- Paralegal
- Political Lobbyist
- Political Strategist
- Politician
- Protocol Officer
- Safety Supervisor
- Trade Specialist
- Treaty Negotiator

## Management & Administration

- Administrative Assistant
- Agent/Manager of Artists, Performers, or Athletes
- Airport Manager
- Arts Administrator
- Chief Operating Officer
- Compensation & Benefits Manager
- Data Entry Keyer
- Employee Training Specialist
- Employment Interviewer
- General Office Clerk
- Human Resources Assistant
- Legal Secretary
- Medical Secretary
- Meeting & Convention Planner
- Office Manager
- Organizer
- Public Relationship Manager
- Road Manager
- Small Business Owner
- Swimming Pool Manager

## Marketing

- Advertising Account Planner
- Advertising Sales Agent
- Art Dealer
- Brand Manager
- Concert Promoter
- Creative Director
- Event Planner
- Fashion Designer
- Floral Designer/Florist
- Funeral Director/Mortician
- Grant Writer
- Interior Designer
- Internet Marketer
- Location Manager
- Marketing Manager
- Model
- Promotions Manager
- Real Estate Sales Agent
- Retail Salesperson
- Sponsorship Coordinator
- Sports Agent
- Talent Agent

**STEM** (Science, Technology, Engineering & Math)

*See also STEM affiliated pathways noted by \**

- Research, Exploration & Innovation
- Design, Development & Application

**Arts, A/V Technology and Communication**

- Audio/Video Technology & Film
- Journalism & Broadcasting
- Performing Arts
- Printing/Publishing
- Visual & Design Arts

**Information Technology**

- Information Support and Services
- Interactive Media
- Network Systems & Telecommunications\*
- Programming & Software Engineering\*

**STEM, Arts, Design &  
Information  
Technology**

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# Careers in STEM, Arts, Design & Information Technology

These are just a few careers available in each category. There are hundreds more!  
For more careers in each cluster, go to [CollegelInColorado.org](http://CollegelInColorado.org).

## STEM

- Aerospace Engineer
- Alternative Energy Researcher
- Anthropologist
- Astronaut
- Athletic Shoe Designer
- Biological Technician
- Chemist
- Civil Engineer
- Custom Boat Builder
- Custom Golf Clubmaker
- Forensic Anthropologist
- Forensic Science Technician
- Geneticist
- Geographer
- GIS Expert
- Guitar Maker
- Inventor
- Mapping Technician
- Oceanographer
- Racetrack Designer
- Storm Chaser
- Surfboard Designer

## Arts, A/V Technology & Communication

- Actor
- Book Editor
- Broadcast Technician
- Car Body Designer
- Cartoon Animator
- Casting Director
- Comic Illustrator
- Commercial Art Director
- Copywriter
- Costume Designer
- Creative Writer/Poet
- Dancer
- Disc Jockey
- Fashion Editor
- Film Critic
- Graphic Designer
- Magazine Editor
- Music Producer
- Photographer
- Public Speaker
- Stage Technician
- TV Host

## Information Technology

- Artificial Intelligence Specialist
- Automation Consultant
- Computer Engineer
- Computer Game Designer
- Computer Security Specialist
- Computer Systems Analyst
- Database Administrator
- E-mail Administrator
- Internet Consultant
- Internet Researcher
- Multimedia Designer
- Multimedia Writer
- Network/Computer Systems Administrator
- Online Community Host
- Online Help Desk Technician
- Online Producer
- School Technology Coordinator
- Software Product Manager
- Software Trainer
- Video Game Tester
- Website Designer