




WESTERN COLORADO
COMMUNITY COLLEGE
A Division of Colorado Mesa University

Summer CAMPS

June 3 - August 9, 2019

Over 100 middle school and high school camps students can explore all summer long!

REGISTRATION:
ReachYourPeakColorado.org
970.255.2800





SUMMER CAMPS

Western Colorado Community College (WCCC), Colorado Mesa University (CMU) and the EUREKA! McConnell Science Museum support the growth and development of western Colorado youth during the summer break. They offer many experiential, hands-on learning opportunities for middle and high school students through summer camps. These interactive camps help students explore future career options, get a jumpstart on learning technical programs, develop strong personal skills and they are a lot of fun!



REGISTRATION IS EASY:

 ReachYourPeakColorado.org
 970.255.2800

Reach Your Peak camps at WCCC pages 4 – 12
WCCC/CMU/EUREKA! camps at Confluence Hall..... pages 13 – 15

This booklet provides you with all the information you need to keep your child engaged this summer. Page 3 provides a weekly summary of all WCCC, CMU and EUREKA! camps. The Reach Your Peak camps, offered at WCCC, are described in detail on pages 4 through 12. Through WCCC's and CMU's unique partnership with EUREKA!, the camps offered at Confluence Hall on the CMU campus are listed on pages 13 through 15.

ELIGIBILITY

Fifth graders going into the sixth grade in Fall 2019 are eligible for middle school camps. Eighth graders going into the ninth grade in Fall 2019 are eligible for high school camps.

REACH YOUR PEAK CAMPS AT WCCC

Reach Your Peak is a partnership between colleges in northwestern Colorado with the goal of creating excitement about learning and motivating students towards further education. Partners include Colorado Mesa University, Colorado Mountain College, Colorado Northwestern Community College and Western Colorado Community College.

The program is supported by the Northwest Regional Council of El Pomar Foundation. Through their generous Reach Your Peak grant program, WCCC is able to support these camps and make them affordable to all area youth. More camps are being offered in 2019 than in any other year. Be sure to review the camp descriptions in this catalog. You might find something your student never thought about exploring. Most of the camps are a week long and in most weeks campers can attend a session in the morning and then a different one in the afternoon. Camps fill quickly so please register as early as possible.



Camp scholarships and financial assistance: To assure all students can follow their passions, limited scholarships and financial assistance are available. Please call 970.255.2800 to discuss available options prior to registration.



From camps to college: Students who complete one or more summer camps and one or more concurrent courses* on a WCCC/CMU campus during the school year may be eligible for a \$2,000 scholarship each year for their first two years of college at CMU, WCCC, CMC or CNCC. Please call 970.255.2670 for more information.

*Concurrent courses are college courses taken while still enrolled in high school.

Western Colorado Community College and Colorado Mesa University reserve the right to cancel courses, change subject matter, alter time schedules or make other changes deemed necessary.

SUMMER CAMPS BY WEEK

► Titles of camps are color-coded according to age groups: **Middle School** | **High School** | **Middle & High School**

JUNE 3 – 7

- 3D Animation and the Virtual World 9
- Chef Camp: Pancakes, Waffles, Crepes 5
- Computer Aided Design/Computer-Aided Manufacturing (CAD/CAM)..... 12
- Engineering Design Camp..... 14
- Sports Physics 15
- Auto Mechanics, Level 1: Hands on Exploration 11
- Crypto Camp 7
- Digital Photography from Click to Computer 9
- Growing Sustainable Food in Your Back Yard: Phase 1 4
- Introduction to Public Safety 6

JUNE 10 – 14

- 3D Printing/Computer-Aided Design 3D Modeling 7
- Chef Camp: Petit Fours 5
- Anatomy and Physiology 501 13
- Basic Welding and Fabrication 12
- Building Internet of Things (IOT): Devices 7
- Early Childhood Education 5
- Anatomy and Physiology 401 13
- Auto Mechanics, Level 2: Hands on Exploration 11
- Introduction to Aviation..... 6
- Livestock Judging Level 1; Level 2..... 4
- Stop Motion Animation Magic 10
- Video Game Design Coding: Level 1 10
- Video Storytelling 11

JUNE 17 – 21

- Basic Welding and Fabrication 12
- Chef Camp: Southern Cooking 6
- Legend of Zelda..... 15
- Storm the Castle!..... 8
- 3D Printing/Computer-Aided Design 3D Modeling 7
- Design for Repurposing..... 14
- Comedy Acting 9
- Comic Book Creation..... 9

- Finding the Voice Actor in You 10
- Information Technology Essentials & Computer Assembly 8
- Intro to Arduinos Coding..... 8
- Introduction to Aviation..... 6
- Start Your Career Right: Youth Employment Skills Training..... 5
- Video Game Design Coding: Level 2 10
- YouTube and Podcast Production..... 11

JUNE 24 – 28

- Chef Camp: Pancakes, Waffles, Crepes 5
- Critter Camp 6
- Hydrology 15
- Creative Writing..... 5
- Hydrologic & Geologic Engineering..... 15
- 2D Animation/Traditional Animation 9
- Acting for the Movies 9
- Growing Sustainable Food in your Back Yard: Phase 2..... 4
- Introduction to Coding 8
- Introduction to the Internet of Things.... 8
- Lego Robotics 8
- M*A*S*H..... 7
- Video Game Design Coding: Level 3 ... 10

JULY 1 – 3

- Geologic Engineering 14
- College Life Bootcamp 13
- How to Design/Shop/Build Your Own Computer 8

JULY 8 – 12

- Chef Camp: Taco Bar 6
- Creative Writing..... 5
- Environmental Engineering 14
- 3D Animation and the Virtual World 9
- Explore Engineering 14
- Introduction to Cisco Networking 7
- All about Drones 7
- Shakespeare Acting Camp 10
- Special Effects: Discovering the Magic of Visual Technology 10

- Writing for the Movies..... 11

JULY 12 – 15

- Hydrological Engineering 15

JULY 15 – 19

- Digital Illustration..... 9
- P-tech On-boarding for the Advanced Manufacturing Program..... 12
- Aerospace Engineering 13
- Build a 3D Printer..... 7
- Chef Camp: Petit Fours 5
- Intro to Arduinos Coding..... 8
- Video Production for the Movies..... 11

JULY 22 – 26

- Minecraft Engineering 15
- Creative Curation..... 13
- Digital Illustration..... 9
- P-tech On-boarding for the Advanced Manufacturing Program..... 12
- Build a 3D Printer..... 7
- Chef Camp: Taco Bar 6
- Crypto Camp 7
- Editing for the Movies! 10
- Finding the Voice Actor in You 10
- Folklore in My Family..... 5

JULY 29 – AUGUST 2

- Choose Your Paths E-Learning, Grades 5-6..... 4
- Choose Your Paths E-Learning, Grades 7-8..... 4
- Forensic Science 401 14
- Building Internet of Things (IOT): Devices 7
- Measuring Science 15
- P-TECH On-boarding for the Advanced Manufacturing Program..... 12

AUGUST 5 – AUGUST 9

- Junk Yard Wars 15



SUMMER CAMPS



Growing Sustainable Food in your Back Yard: Phase 1

Be a part of the green revolution by learning to grow tasty food without using chemicals. We will look into what makes healthy soil, how to plant different seeds and how to include bees and good insects in the garden. Everything we will do is hands-on and low technology so that each student can replicate what they learn! Great for any person considering a career in the agriculture field or who just want to know what goes into producing food. You can also take the phase 2 class to learn more and harvest the seeds that you planted during the phase 1 camp.

Instructor: Reed
 Price: \$100
 Age Group: Middle School & High School

Date: June 3 – 7
 Time: 1 – 5pm

Growing Sustainable Food in Your Back Yard: Phase 2

Jump into growing good food without chemicals. This class is held mid-gardening season so we get to work with soils and good insects, and we get to learn plant pruning and harvesting techniques. Taking the phase 1 course is not required as this phase 2 class does cover new topics. We will harvest plants that were started in the phase 1 camp. This camp is great for those considering careers in agriculture or just have an interest in gardening and organic food production.

Instructor: Reed
 Price: \$100
 Age Group: Middle School & High School

Date: June 24 – 28
 Time: 1 – 5pm

Livestock Judging Level 1

This is a great hands-on opportunity to learn the basics of animal evaluation and the differences between the different livestock species. We will learn to understand the importance of livestock conformation and composition, how to determine the difference between muscle and fat, structural correctness, femininity, masculinity, and breed character. This camp is ideal for someone interested in livestock animals and wants to gain

more knowledge about the different species. Instruction will be provided by experienced and friendly professionals.

Instructor: D'Aponti
 Price: \$120
 Age Group: Middle School & High School

Date: June 10 – 14
 Time: 8:30am – 12:30pm

Livestock Judging Level 2

This camp is designed to build onto the principals presented in the Livestock Judging I camp or for those that already have some livestock judging experience. We will be building their knowledge of evaluating livestock animals through selection principles, giving oral reasons, and participating in a mock judging competition. This camp is designed to prepare campers for a livestock judging competition. This camp is ideal for 4H and FFA youth who want to practice their skills prior to the Colorado 4-H State Conference. Instruction will be provided by experienced professionals who are currently practicing Livestock Judging at the national level. Attendance in Level 1 and Level 2 simultaneously is permitted and is designed for students to attend both in the same week.

Instructor: VanWinkle
 Price: \$120
 Age Group: Middle School & High School

Date: June 10 – 14
 Time: 1 – 5pm



Choose Your Paths E-Learning

Students will learn what their interests and passions for their career, hobby or lifestyle look like locally, globally and historically. Students will reach out with polished interview questions to local field experts, and then create a PowerPoint presentation. Students are more engaged in academics when they have a vision for their future, and they will work harder today if they see how it will help them tomorrow. With more knowledge, experiences and a village of supporters, young people come out of high school with a clearer vision of what they want and don't want, and how they'll get to where they want to be.

Instructor: Sündermann
 Price: \$100
 Age Group: Grades 5 – 8

GRADES 5 – 6

Date: July 29 – August 2
Time: 8:30am – 12:30pm

GRADES 7 – 8

Date: July 29 – August 2
Time: 1 – 5pm

Creative Writing

This camp will cover setting, character development, plot structure, creating scenes from narrative and revision. Students will create and revise a short story/novel chapter to share with the class and parents on the last day. Students will design a cover and we will bind their work. Students will edit each other's work and the instructor will cover methods and sources for publishing original work.

Instructor: Weeks
Price: \$110
Age Group: Middle School & High School

MIDDLE SCHOOL

Date: July 8 – 12
Time: 8:30am – 12:30pm

HIGH SCHOOL

Date: June 24 – 28
Time: 1 – 5pm

Early Childhood Education

This camp is for those who are interested in working with young children from preschool age through second grade or are interested in how children develop. We will explore childhood growth and development using a variety of fun hands-on activities. We will explore careers in childcare and education, and learn more about what is involved in running a day care facility or school program.

Instructor: Stelljes
Price: \$100
Age Group: High School

Date: June 10 – 14
Time: 8:30 – 12:30pm

Folklore in My Family!

Where did your ancestors come from? How and when did they get here? How did your little brother get his nickname? Where did you get your curly hair? These and many other questions may be answered by finding out about how your own family's folklore affects you in your life right now! Explore how cultures are developed through the passing of folklore artifacts.

Instructor: Meyer
Price: \$100
Age Group: Middle School & High School

Date: July 22 – 26
Time: 1 – 5pm

Start Your Career Right: Youth Employment Skills Training

Join this interactive and hands-on camp to learn essential skills for your summer and future job searches. Get started early in building a resume that will showcase your talents and experiences to help in the transition from school to the workplace. Learn who you are through fun personality testing and ability profiling activities. Explore ways of marketing yourself to employers and discover your abilities and assets. Learn how to build a resume, complete job applications, do well in an interview and find employment.

Instructor: Englund

Price: \$100
Age Group: Middle School & High School

Date: June 17 – 21
Time: 1 – 5pm



Chef Camp: Pancakes, Waffles, Crepes

Not all pancakes, waffles, crepes and blintzes are limited to breakfast. This week students are going to change up these famous recipes so they can be eaten for breakfast, lunch or dinner. We will focus on simple recipes that can be traditional or exotic. How about a pancake topped with Captain Crunch, bananas and peanut butter for breakfast? Or a pancake made into a taco and filled with a meat and salsa for dinner? Or a crepe with chicken salad for lunch? We will make waffles into French toast or bread pudding topped with a blueberry sauce. We will make rich cheese blintzes with a fruit compote, and Russian blinis with smoked salmon and a spring salad. To touch on the exotic, we will have a little caviar with our blinis. Students will work in the culinary and baking lab to develop knife skills, cutting vegetable skills, baking skills and understanding recipes. Come have fun and work in a professional kitchen!

Instructors: Henderson (Options 1, 3); Arenas (Options 2, 4)
Price: \$170
Age Group: Middle School

OPTION 1

Date: June 3 – 7
Time: 8:30am – 12:30pm

OPTION 2

Date: June 3 – 7
Time: 1 – 5pm

OPTION 3

Date: June 24 – 28
Time: 8:30am – 12:30pm

OPTION 4

Date: June 24 – 28
Time: 1 – 5pm

Chef Camp: Petit Fours

The French word for "small ovens" is petit fours. This class will cover all types of Petit Fours: small bits of cheese cake squares with fruit and chocolate garnishes; lava cakes drizzled with a caramel sauce; French madeleine cookies served with hot-spiced teas; mini lemon tartlets topped in meringue finished with a blowtorch to give it that fireside look; florentine cookies coated in chocolate and served with ice cream; truffles, bite-sized cakes and more bite-sized desserts. Your summer will be filled with sweets and fun.

Instructor: Henderson (Option 1); Arenas (Option 2)
Price: \$170

SUMMER CAMPS

MIDDLE SCHOOL, OPTION 1

Date: June 10 – 14
Time: 8:30am – 12:30pm

MIDDLE SCHOOL, OPTION 2

Date: June 10 – 14
Time: 1 – 5pm

MIDDLE & HIGH SCHOOL

Date: July 15 – 19
Time: 8:30am – 12:30pm

Chef Camp: Southern Cooking

From Virginia to Texas, there is a whole range of southern cooking. In the South, food is a celebration, a memory and history. The state of Louisiana is known for its cajun, creole and barbeques including spicy flavor filled grits topped with crawfish or shrimp, gumbo, etouffee, jambalaya and muffaletta sandwiches. The South is known for its desserts like beignets, pralines, bread puddings and bananas foster. In this class, you will taste it all! Note: Students who attend cannot have a seafood allergy.

Instructor: Henderson (Option 1); Arenas (Option 2)
Price: \$170
Age Group: Middle School

OPTION 1

Date: June 17 – 21
Time: 8:30am – 12:30pm

OPTION 2

Date: June 17 – 21
Time: 1 – 5pm

Chef Camp: Taco Bar

What's so special about a taco bar? Well, to start it includes homemade corn tortillas with all the fixins like salsa, chips, guacamole, fresh corn, black beans and cheese. Students will learn chopping skills, sauté skills and baking skills all with hands-on participation and teamwork. We will end the week with a sweet dessert called flan. Come join us for a week of fun!

Instructor: Arenas
Price: \$170
Age Group: Middle School & High School

MIDDLE SCHOOL

Date: July 8 – 12
Time: 8:30am – 12:30pm

MIDDLE & HIGH SCHOOL

Date: July 22 – 26
Time: 8:30am – 12:30pm



**HEALTH SCIENCES,
PUBLIC SAFETY
AND AVIATION**

Critter Camp

Students will learn about a wide variety of animals during this exciting week. Camp will start out with animal behavior and handling. We will learn

how animals communicate with each other and how they communicate with us. We will discuss what it means to be an “exotic” pet and how we can correctly care for these fascinating critters because they need specialized care. We will then have an opportunity to see many of the exotic animals we talked about while on a tour at the Children’s Nature Center. The week will close with a large animal/livestock discussion regarding how we get these giants to cooperate with us without hurting or frightening them using Dr. Temple Grandin’s work as a template. Finally, students will have an opportunity to demonstrate what we learned during the week for their parents.

Instructor: Knapton
Price: \$120
Age Group: Middle School

Date: June 24 – 28
Time: 1 – 5pm

Introduction to Aviation

This camp is for anyone who is interested in aviation. Explore the intriguing aspects of aviation from how an aircraft is built to the aerodynamic aspects of what makes planes fly and how weather affects flight. This camp is also an opportunity to discover aviation careers and possible routes to get there.

Instructor: Miller
Price: \$120
Age Group: Middle School & High School

OPTION 1

Date: June 10 – 14
Time: 8:30am – 12:30pm

OPTION 2

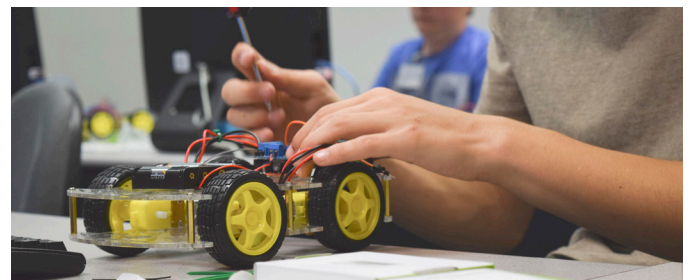
Date: June 17 – 21
Time: 8:30am – 12:30pm

Introduction to Public Safety

This camp will cover some of the career options available within the public safety career field. This camp includes classroom instruction with actual videos from different scenes and hands-on experiences to prepare students for an actual emergency. The first day will cover law enforcement careers from the Police Academy director. The second day will focus on emergency medical technician skills with life-like scenarios where students participate as patients and as first aid providers. They will also receive an introduction to ambulances and get to ride in one. During day three, students will experience more EMS skills combined with wildland fire career information.

Instructor: Holder/ Piatanesi/ Simpson
Price: \$75
Age Group: Middle School & High School

Date: June 3 – 5
Time: 8am – 12pm



M*A*S*H

The M*A*S*H camp was created for young adolescents interested in health careers and to build basic skills common to all health careers (CPR, first aid, infection control, etc.). There are four levels of M*A*S*H camp, which will allow students the opportunity to advance their learning during four summers. This exciting weeklong-day camp utilizes the nursing faculty, students and many community members from various health professions to provide fun hands-on learning. Students are exposed to campus life, eating in the college dining hall and utilizing the recreation center.

Instructor: CMU Health Sciences Faculty
 Price: \$150
 Age Group: Middle School & High School

Date: June 25 – June 28
 Time: 9am – 4pm



3D Printing/Computer-Aided Design 3D Modeling

Learn how 3D printing is changing manufacturing and how you can make things for yourself. Using the 3D Computer Aided Design software Autodesk Inventor, you will learn how to draw 3D models and download them to the 3D printer to generate real parts from your drawings. No experience necessary. Join us and experience the world of 3D printing.

Instructor: Mahoney
 Price: \$130
 Age Group: Middle School & High School

MIDDLE SCHOOL	HIGH SCHOOL
Date: June 10 – 14	Date: June 17 – 21
Time: 8:30am – 12:30pm	Time: 8:30am – 12:30pm

All About Drones

Learn how drones work by programming and flying your own CoDrone (must be registered). All drone operation fundamentals are covered in this camp. Campers will program their drone to fly by remote control (iPhone or Android phone required) and autonomously fly a route programmed into it. Each camper will have a drone to take home to continue to enjoy. From CoDrone: "The CoDrone only weighs 40 grams, but packs a lot of technology in a small body. Inside each CoDrone is an accelerometer, barometer, gyrometer and a special optical flow sensor to stabilize flight. CoDrone supports Bluetooth 4.0 for fast transmission and range control of up to 65 feet." Registration deadline is June 30.

Instructor: McGraw
 Price: \$270
 Age Group: Middle School & High School

Date: July 8 – 12
 Time: 8:30am – 12:30pm

Build a 3D Printer

3D printing changed the way inventors take their ideas from thought to reality. In this camp, you will build and tune your very own 3D printer that is capable of printing plastic parts. You will take your 3D printer to enjoy making products at home. No experience required. Registration deadline is July 1.

Instructor: Castleton
 Price: \$360
 Age Group: Middle School & High School

OPTION 1	OPTION 2
Date: July 15 – 19	Date: July 22 – July 26
Time: 1-5pm	Time: 8:30am – 12:30pm

Building Internet of Things (IOT): Devices

Do you want to create your own fitness tracker? Do you want to make a device that lights up based on your movement? In this summer camp, you will learn how to use the latest embedded devices that are used in the Internet of Things. You will be able to create anything from a coffee pot that tells you it's ready to a dress that lights up as you move. You get to keep the kit of parts and no prior experience is needed.

Instructor: Castleton
 Price: \$170
 Age Group: High School

OPTION 1	OPTION 2
Date: June 10 – 14	Date: July 29 – Aug. 2
Time: 1 – 5pm	Time: 1 – 5pm

Crypto Camp

Do you wonder how secret messages work? Would you like to learn how to create secret messages? Even better would you like to learn how to "crack" a secret code? This is the camp for you. Learn how to encrypt and decrypt messages, even messages that are not your own. You will learn how to do this on paper and on the computer after the necessary computer skills have been taught in the camp. See what it is like to work in the field of cyber security while having hand-on experiences.

Instructor: Castleton
 Price: \$120
 Age Group: Middle School & High School

OPTION 1	OPTION 2
Date: June 3 – 7	Date: July 22 – July 26
Time: 8:30am – 12:30pm	Time: 1 – 5pm

Introduction to Cisco Networking

This camp is a gateway to entry-level networking jobs and IT careers. Students will learn how networks are set up, how network devices are configured, how communication takes place on a network and the basics of implementing network security best practices. Learn the basics of networking in a summer camp class using Cisco Academy curriculum enhanced with hands-on activities.

Instructor: McGraw
 970.255.2800 ReachYourPeakColorado.org

SUMMER CAMPS

Price: \$120
Age Group: High School

Date: July 8 – 12
Time: 1 – 5pm

How to Design/Shop/Build Your Own Computer

If you've thought about building your own custom computer this camp is for you! Learn all about selecting the right parts and how to buy them at the best price. Hands-on assembly of computers in our lab will ensure that you receive the skills you need to build your own computer.

Instructor: McGraw
Price: \$70
Age Group: Middle School & High School

Date: July 1 – 3
Time: 8:30am – 12:30pm

Information Technology Essentials & Computer Assembly

The IT Essentials (ITE) course introduces students to the fundamentals of computer hardware and software; mobile devices; security and networking concepts; and the responsibilities of an IT professional. This camp includes mobile devices; Linux; client side virtualization; Microsoft Windows operating systems; security; networking; and troubleshooting.

Instructor: McGraw
Price: \$120
Age Group: Middle School & High School

Date: June 17 – 21
Time: 8:30am – 12:30pm

Introduction to Arduinos Coding

Arduinos are inexpensive, easy-to-program microcomputers that have spawned thousands of new inventions. In this course, you will learn how to build and program a simple robotic car that uses an Arduino for its "brain." At the end of the five-day camp, you will compete with other camp participants to see whose car can finish an obstacle course in the shortest amount of time. You get to keep the kit of parts. No prior experience necessary.

Instructor: Castleton
Price: \$170
Age Group: Middle School & High School

OPTION 1

Date: June 17 – 21
Time: 1 – 5pm

OPTION 2

Date: July 15 – July 19
Time: 8:30am – 12:30pm

Introduction to Coding

Learn the basics of computer coding in this camp. We use a program called Scratch, to learn the structure of programming to create your own games and animations. No coding experience needed, we start from ground zero! Explore career options in the field of computer coding and IT while learning by hands-on experiences what it would be like to work in a technology field.

Instructor: Mahoney

Price: \$120
Age Group: Middle School & High School

Date: June 24 – 28
Time: 8:30am – 12:30pm

Introduction to the Internet of Things

The Internet of Things (IOT) brings together people, processes, data and things to make networked connections more relevant and valuable than ever before. IOT turns information into actions creating new capabilities, richer experiences and unprecedented opportunity for everyone. Learn the basics of the IOT in a summer camp class using Cisco Academy curriculum enhanced with hands-on activities.

Instructor: McGraw
Price: \$120
Age Group: Middle School & High School

Date: June 24 – 28
Time: 1 – 5pm

Lego Robotics

Build – Code – Experiment! During this camp, you will design, build and program robots using the LEGO Boost Creative Toolbox. Through this process, campers will gain advanced building skills, use a drag and drop software program and use their robot to compete against other teams. Boost your LEGO building experience with the amazing LEGO BOOST Creative Toolbox. Build and customize Vernie, your own personal talking robot friend, and code its behavior then take it home to do even more. Registration deadline is June 17.

Instructor: McGraw
Price: \$270
Age Group: Middle School & High School

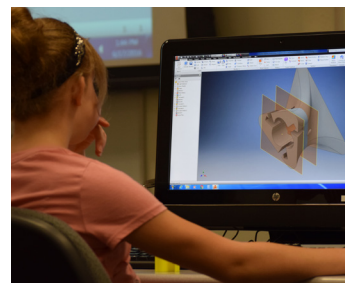
Date: June 24 – 28
Time: 8:30am – 12:30pm

Storm the Castle!

Design and build a model of a medieval war machine, called a trebuchet, that will throw a projectile against a castle wall. Students will investigate math and physics concepts through the construction of various types of catapults and trebuchets. Each student will design, build and test their own trebuchet using everyday PVC pipe and fittings.

Instructor: Quesenberry
Price: \$100
Age Group: Middle School

Date: June 17 – 21
Time: 8:30am – 12:30pm





STEAM: DIGITAL DESIGN AND FILMMAKING

2D Animation/Traditional Animation

Now's the chance to take your drawing skills to a whole new level — by making them move. Discover the fun of basic 2D animation with the latest computer software and find the joy of seeing your creations come to life.

Instructor:Hoffman
 Price: \$120
 Age Group: Middle School & High School

Date: June 24 – 28
 Time: 8:30am – 12:30pm

3D Animation and the Virtual World

Jump into the world of your own creation using a professional 3D animation program. You will model, texture and bring to life your own computer-generated creations.

Instructor:Hoffman
 Price: \$120
 Age Group: Middle School & High School

MIDDLE SCHOOL	HIGH SCHOOL
Date: June 3 – 7	Date: July 8 – 12
Time: 8:30am – 12:30pm	Time: 8:30am – 12:30pm

Acting for the Movies (Movie Series)

Have you ever dreamed of being on the silver screen? Ever wondered what it takes for an actor to work on a movie? During this camp, you'll work with both comedic and dramatic material; learn on-camera acting techniques through fun games and exercises; perform monologues and scenes on camera. Each student will receive a digital copy of their monologue and scene at the end of the camp.

Instructor:Brachfeld
 Price: \$100
 Age Group: Middle School & High School

Date: June 24 – 28
 Time: 1 – 5pm

Comedy Acting (Movie Series)

Want to develop your self confidence and comedy chops? This camp will bring out the comedian in you! We'll explore the wonderful world of comedic acting through exercises and games at each class. In a supportive and encouraging environment, you'll be able to stretch your comedy wings. You'll learn short form improvisational technique, commedia dell'arte, classic comedy routines and styles and perform your own short stand up routine or comedy monologue. All experience levels are welcome.

Instructor:Brachfeld
 Price: \$100
 Age Group: Middle School & High School

Date: June 17 – 21
 Time: 1 – 5pm

Comic Book Creation

This camp will cover fundamental skills and techniques required to design and complete a hand-drawn comic book. Western, Japanese and alternative styles will be explored as students learn the process of transforming a script into storyboards and a final inked product. Technical elements include framing and panel layout, shading techniques, inking with micron and dip pens and digital lettering.

Instructor:Hoffman
 Price: \$120
 Age Group: Middle School & High School

Date: June 17 – 21
 Time: 8:30am – 12:30pm

Digital Illustration

Would you like your drawings to look like the professional artwork you see on your favorite websites? From concept art to final illustration, this class will train you in everything you need to know about drawing digitally. Learn essential fine art skills while gaining experience drawing with a tablet. Come draw with us!

Instructor:Hoffman
 Price: \$120
 Age Group: Middle School & High School

MIDDLE SCHOOL	HIGH SCHOOL
Date: July 15 – 19	Date: July 22 – 26
Time: 1 – 5pm	Time: 1 – 5pm

Digital Photography from Click to Computer

Explore and share your vision from behind the lens. This camp will use DSLR cameras and Adobe Photoshop to produce pictures like a pro. We will experiment with artistic and technical tricks of the trade and host an end-of-session gallery opening to highlight your favorite pieces. You will be able to take home the start of your very own professional portfolio.

Instructor:Meuwly
 Price: \$120
 Age Group: Middle School & High School

Date: June 3 – 7
 Time: 8:30am – 12:30pm

SUMMER CAMPS

Editing for the Movies (Movie Series)

Here's a chance to make your videos look good. In this camp, students will find out how professionals edit, color correct, mix the soundtrack and add professional-looking graphics. Students who took the production camp can use the movies they created to edit in this camp.

Instructor: McClintock
Price: \$120
Age Group: Middle School & High School
Date: July 22 – 26
Time: 1 – 5pm

Finding the Voice Actor in You

Have you ever wondered how you can become a voice in the next big cartoon? Would you like to add the world of animation, video games and commercials to your acting resume? Then this workshop is for you! Students will develop characters and find comedy with their voice all while creating a dynamic performance.

Instructor: Hoffman
Price: \$120
Age Group: Middle School & High School

OPTION 1

Date: June 17 – 21
Time: 1 – 5pm

OPTION 2

Date: July 22 – 25
Time: 8:30am – 12:30pm

Shakespeare Acting Camp

All great actors study Shakespeare. During this camp, you'll learn fundamental acting techniques, develop the ability to transform into character through movement and voice work, establish tools for script analysis, learn basic stage combat with swords, and perform a scene in front of your friends and family from one of the Bard's plays. This camp is open to all levels of experience.

Instructor: Brachfeld
Price: \$100
Age Group: Middle School & High School

Date: July 8 – 12
Time: 8:30am – 12:30pm

Special Effects: Discovering the Magic of Visual Technology

In this camp, you will discover how special effects in motion pictures and on television are created. Students will also learn the essentials of compositing; how to add people into animated environments with green-screen keying; how to blow up a car the legal and safe way and much, much more!

Instructor: Hoffman
Price: \$120
Age Group: Middle School & High School

Date: July 8 – 12
Time: 1 – 5pm

Stop Motion Animation Magic

Want to recreate the Nightmare Before Christmas? How about The Lego Movie with real Legos? Stop motion animation allows your creations to come to life through the magic of film and photography. We will experiment with Claymation, construction paper animation and action figure/Lego animation to create unique videos.

Instructor: Hoffman
Price: \$120
Age Group: Middle School & High School

Date: June 10 – 14
Time: 8:30am – 12:30pm

Video Game Design Coding: Level 1

Power up and find out what it takes to create a unique video game universe. Explore the basics of gameplay and game mechanics. Take on the role of interaction designer, graphic lead, software engineer or creative director. Build a game from paper prototype to playable demo. Beta test your original game and share it at an end-of-session game expo. Experience what it would be like to be in a career of designing and coding games for the future.

Instructor: Cox
Price: \$120
Age Group: Middle School & High School

OPTION 1

Date: June 10 – 14
Time: 8:30am – 12:30pm

OPTION 2

Date: June 10 – 14
Time: 1 – 5pm

Video Game Design Coding: Level 2

In this exciting continuation video game design, you will delve further into the world of game development. We will spend the first few days going over what was learned in Level 1 while developing new skills and the last two days will be dedicated to a game jam where we make a game in two days. This class is for those who are dedicated and willing to learn about games and how they work.

Instructor: Cox
Price: \$120
Age Group: Middle School & High School

OPTION 1

Date: June 17 – 21
Time: 8:30am – 12:30pm

OPTION 2

Date: June 17 – 21
Time: 1 – 5pm

Video Game Design Coding: Level 3

Continue building on the foundation you started with Levels 1 and 2. In this class, we will delve even deeper into the technical aspects of programming for video games as well as some animation and sound design.

Instructor: Cox
Price: \$120
Age Group: Middle School & High School

OPTION 1

Date: June 24 – 28
Time: 8:30am – 12:30pm

OPTION 2

Date: June 24 – 28
Time: 1 – 5pm

Video Production for the Movies (Movie Series)

Here's a chance to make your videos look good. In this camp, students will find out how professionals edit, color correct, mix the soundtrack and add professional-looking graphics. Students who took the production camp can use the movies they created to edit in this camp.

Instructor: McClintock
 Price: \$120
 Age Group: Middle School & High School
 Date: July 15 – 19
 Time: 8:30am – 12:30pm

Video Storytelling

Everybody is shooting digital video these days. Let's make the most of it with our video editing summer camp. We will spend a week in a digital moviemaking environment and learn the tricks of the trade. You'll write a script, shoot it and finally put your production together in a video editor. Lights, camera, action!

Instructor: Meuwly
 Price: \$120
 Age Group: Middle School & High School
 Date: June 10 – 14
 Time: 8:30am – 12:30pm

Writing for the Movies (Movie Series)

Do you want to learn how to write scripts for movies or TV shows? During this weeklong camp, you will find out how a screenplay is structured and learn best practices for writing naturally. You will discover how to create strong characters and the importance of how they interact with their world. Best of all you will learn the importance of writing from personal belief. Students can take the scripts they have written to the video production camp and put their words into actions.

Instructor: McClintock
 Price: \$120
 Age Group: Middle School & High School
 Date: July 8 – 12
 Time: 1 – 5pm

YouTube and Podcast Production

The takeover of video content has been a long time coming as more and more brands creators and people have made the leap to YouTube, Twitch, Vimeo and Facebook. Whether you're creating how-to's or tutorials, artistic expressions, funny skits or gaming — YouTube content represents a cost-effective way to educate, entertain, capture and publish to your audience. Youtube and Facebook account required for this class and parent permission forms to publish to a public website.

Instructor: Meuwly
 Price: \$120
 Age Group: Middle School & High School
 Date: June 17 – 21
 Time: 8:30am – 12:30pm



Auto Mechanics, Level 1: Hands-on Exploration

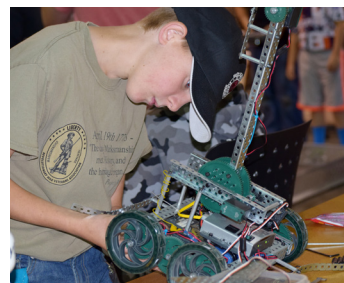
Come to WCCC this summer and get a taste of what it is like to work on automobiles. You will learn how engines work and about the other eight main components of cars. You will work in fully equipped shops with tools and automobiles that can be taken apart and put back together. With the guidance of our experienced instructors, you will apply science and math skills in real work situations and learn about careers in the automobile industry.

Instructor: Goetz/Carsten
 Price: \$120
 Age Group: Middle School & High School
 Date: June 3 – 7
 Time: 8:30am – 12:30pm

Auto Mechanics, Level 2: Hands-on Exploration

Come back to WCCC auto camp for a week of more in-depth and technical work, including electrical, brakes, suspension and more. Find out if you really enjoy working on cars by using advanced tools and exploring the automotive field in more detail. If you have attended the auto camp before, have completed Level 1 this year, or have previous experience you are welcome to join us.

Instructor: Goetz/Carsten
 Price: \$120
 Age Group: Middle School & High School
 Date: June 10 – 14
 Time: 8:30am – 12:30pm



SUMMER CAMPS

Basic Welding and Fabrication

Learn the basics of welder safety, cutting and welding techniques; and how to apply them to real-world projects. Students will use welding and cutting equipment just like professional welders. Students will learn about the career options available with training in this field while having hands-on experience.

Instructor: Campbell
 Price: \$150
 Age Group: Middle School & High School

MIDDLE SCHOOL

Date: June 17 – 21
 Time: 8:30am – 12:30pm

HIGH SCHOOL

Date: June 10 – 14
 Time: 8:30am – 12:30pm

Computer Aided Design/Computer Aided Manufacturing (CAD/CAM)

This camp will allow the student to create a product from initial concept to fully manufactured reality. Students will gain knowledge in Computer Aided Design (CAD) to create a product and then utilize Computer Aided Manufacturing (CAM) and Computer Numerical Controlled (CNC) machinery to produce a working product.

Instructor: Carlton/Dry
 Price: \$160
 Age Group: Middle School

Date: June 3 – 7
 Time: 8:30am – 12:30pm



P-TECH On-boarding for the Advanced Manufacturing Program

During this new and exciting camp, you will learn the details of the Pathways in Technology Early College High School (P-TECH) program for advanced manufacturing. It will include machining, welding and mechanical engineering technology. Students will learn how to apply, where to meet and what the requirements and opportunities are for the program. Participants will do team building as a cohort of students going through the program together. Students will meet instructors and spend time in the classrooms and labs where the program will be held. During your campus visits, you will meet industry experts and explore careers in the field. Attendance in this on-boarding week is essential to involvement in the P-TECH program.

Instructor: Sündermann
 Price: \$85
 Age Group: High School

OPTION 1

Date: July 15 – 19
 Time: 1 – 5pm

OPTION 2

Date: July 22 – 26
 Time: 1 – 5pm

OPTION 3

Date: July 29 – August 2
 Time: 1 – 5pm



Send the kids to college this summer.

In addition to more than 60 hands-on learning experiences through Western Colorado Community College (WCCC) and Reach Your Peak Colorado, Colorado Mesa University (CMU) offers a variety of programs for elementary, middle and high school students including academic, performing arts and athletic camps and clinics.

Open the door to something that may ignite a fire within your kid for the future. Go to coloradomesa.edu/summer and explore all the options.



ADDITIONAL CAMPS (CMU/WCCC/EUREKA! PARTNERSHIP)

Grand Valley students are lucky to have access to great STEM instructors and the resources of WCCC, CMU and EUREKA!. With day and overnight camps, there's no chance that your middle or high schooler will be bored this summer! Many of these camps will be hosted at CMU's new engineering building and the home of EUREKA!, Confluence Hall.



EUREKA! McConnell Science Museum is located at CMU's Confluence Hall, 1400 N. 7th Street, Grand Junction, Colorado.

REGISTRATION:

eurekasciencemuseum.org/upcoming-camps

Aerospace Engineering

Launch into space with explorations of aerospace concepts and technology. Design air foils to be tested in the CMU engineering wind tunnel, explore how atmospheric science affects flight through the launch of a weather balloon, learn from astronauts and apply your knowledge in several hands-on projects. This camp partners with CMU engineering professor Sarah Lanci and utilizes state-of-the-art equipment and technology in Confluence Hall.

Age Group: Middle School & High School

MIDDLE & HIGH SCHOOL

Date: July 15 – 19
Time: 8:30am – 5:30pm
Price: \$180
EUREKA! Member Price: \$155

MIDDLE & HIGH SCHOOL OVERNIGHT CAMP

Date: July 15 – 19
Time: 8am, Monday – 6pm, Friday
Price: \$700
EUREKA! Member Price: \$575

Anatomy and Physiology

From skin and bones, digestion and respiration, to circulation and muscles – students will dive deep into understanding the regulatory systems of the human body. Students will explore what's inside us through simulated dissections, scientific investigations and an offsite visit to the St. Mary's simulation laboratory and CareFlight helicopter pad.

Price: \$180
EUREKA! Member Price: \$155
Age Group: Middle School & High School

ANATOMY AND PHYSIOLOGY 401

Age Group: Middle School
Date: June 10 – 14
Time: 8:30am – 5:30pm

ANATOMY AND PHYSIOLOGY 501

Age Group: High School
Date: June 10 – 14
Time: 8:30am – 5:30pm

College Life Bootcamp

Prepare for college by learning about a variety of topics. Students will learn from college students about what to expect after graduation, what a campus looks like and how to do your own laundry. You will meet with CMU career services staff and learn the skills that will help you get into the college of your dreams! Prepare to explore the college application process, how to land a job, how to stay healthy during stressful times and much more! This is a 3-day camp with reduced fees.

Price: \$110
EUREKA! Member Price: \$95
Age Group: High School

Date: July 1 – 3
Time: 8:30am – 5:30pm

Creative Curation

Interested in museum curation? In this camp, students will act as a director of an institution of their choice and will be in charge of designing the building, developing what goes inside and marketing their institution. Students will then present their development plans to a panel of judges, competing against the other teams' business plans.

Price: \$180
EUREKA! Member Price: \$155
Age Group: High School

Date: July 22 – 26
Time: 8:30am – 5:30pm

SUMMER CAMPS

Design for Repurposing

Investigate how machines work by breaking down and dissecting equipment. Get creative and think like an engineer by taking those parts to repurpose them into a new device of your choice!

Price: \$180
 EUREKA! Member Price: \$155
 Age Group: High School
 Date: June 17 – 21
 Time: 8:30am – 5:30pm

Engineering Design Camp

What does it feel like to build a school that could withstand an earthquake, a sports stadium that offers all spectators a great view or a dam to make a reservoir? Be prepared to think like a civil engineer as you design and build a variety of structures. It doesn't stop there, because what goes up, must come down. Students will study the science of tearing down structures, by creating simulations comparing the effectiveness of wrecking balls, bull dozers, dynamite and more!

Price: \$180
 EUREKA! Member Price: \$155
 Age Group: Middle School
 Date: June 3 – 7
 Time: 8:30am – 5:30pm

Environmental Engineering

Sustainability. Environmental pollutants. Air quality monitoring. Learn about the various types of environmental engineering ranging from coastal and water resources engineering to geophysical engineering. Students will tour engineering facilities such as Innovative Textiles and Reynolds Polymer, in this hands-on environmental engineering camp.
 Age Group: Middle School

DAY CAMP

Date: July 8 – 12
 Time: 8:30 am – 5:30pm
 Price: \$180
 EUREKA! Member Price: \$155

WEEKDAY OVERNIGHT CAMP

Date: July 8 – 12
 Time: 8am, Monday – 6pm, Friday
 Price: \$700
 EUREKA! Member Price: \$575



Explore Engineering

Do you have an interest in engineering? Or, maybe you're considering pursuing an engineering degree? Explore the fields of engineering by visiting engineering firms and facilities on field trips in Grand Junction such as Reynolds Polymer and Coors Tek in this hands-on engineering camp. You will work directly with CMU engineering students, EUREKA! staff, and CMU engineering professor Sarah Lanci using state-of-the-art engineering equipment, like the wind tunnel, in CMU's Confluence Hall. This camp will introduce you to the various engineering disciplines, including electrical, mechanical, civil, materials and environmental as you discover the world of engineering.

Age Group: High School

DAY CAMP

Date: July 8 – 12
 Time: 8:30 am – 5:30pm
 Price: \$180
 EUREKA! Member Price: \$155

WEEKDAY OVERNIGHT CAMP

Date: July 8 – 12
 Time: 8am, Monday – 6pm, Friday
 Price: \$700
 EUREKA! Member Price: \$575

Forensic Science 401

Explore what it's like to be a crime scene investigator in this hands-on forensic science camp! Campers will learn how to fingerprint, collect scientific evidence, search for clues and much more as they solve a crime scene. Critical thinking skills will be put to the test when evidence is collected and interpreted as campers learn about the science involved with criminal investigation.

Price: \$180
 EUREKA! Member Price: \$155
 Age Group: Middle School

Date: July 29 – August 2
 Time: 8:30am – 5:30pm

Geologic Engineering

What do mines, habitat restoration, wind turbines, tunnels, dams and power plants all have in common? A geologic engineer behind their development! In this camp we'll explore all that goes into understanding landforms and earth processes as it relates to geologic and man-made designs. This is a 3-day camp with reduced fees.

Price: \$110
 EUREKA! Member Price: \$95
 Age Group: Middle School

Date: July 1 – 3
 Time: 8:30am – 5:30pm

Hydrologic and Geologic Engineering

Get ready to get dirty and wet while studying the relationships between soil and water. Learn where Grand Junction's water comes from, why the Colorado River is muddy and how to turn that muddy water into water we drink at a tour of a water treatment plant. You'll collect and analyze hydrological and geological data using the CMU civil engineering lab with professor Kelly Bevill to study soils and run hydrologic simulations in the flume. This camp is generously underwritten by Ute Water and the Grand Valley Water Users Association.

Price: \$180
 EUREKA! Member Price: \$155
 Age Group: High School

Date: June 24 – 28
 Time: 8:30am – 5:30pm

Hydrological Engineering

Examine water flow, determine solutions to problems and see what may occur in the future. Students learn about creating models, interpreting models and using models in problem-solving. The water in the West exhibit at EUREKA! will be featured in this weekend camp as we learn about river hydrologics!

Price: \$300
 EUREKA! Member Price: \$250
 Age Group: Middle School & High School

WEEKEND OVERNIGHT CAMP

Date: July 12 – 15
 Time: 5:30pm Friday – 5:30pm Sunday or 8:00am Monday

Hydrology

Water engineers solve problems on rivers, in cities and on farms. Learn how to calculate volumes and flowrates of water. Engineer, create and test your best designs for boats, canals, bridges and dams. Run simulations in flumes and take a tour of a water treatment plant. This camp was generously supported by Ute Water and the Grand Valley Water Users Association.

Price: \$180
 EUREKA! Member Price: \$155
 Age Group: Middle School

Date: June 24 – 28
 Time: 8:30am – 5:30pm

Junk Yard Wars

We've all heard the slogan "reduce, reuse and recycle", but how can we practically reuse and recycle materials? This camp is designed to show how trash can be turned into treasure. Students will learn valuable steps to create something extraordinary.

Price: \$180
 EUREKA! Member Price: \$155
 Age Group: Middle School

Date: August 5 – 9
 Time: 8:30am – 5:30pm

Legend of Zelda

Time-manipulating ocarinas, hover boots and evil magicians — explore the science fiction behind the Legend of Zelda! Students use technology to problem solve, learn survival skills and put their sci-fi powers to the test in this exciting camp.

Price: \$180
 EUREKA! Member Price: \$155
 Age Group: Middle School

Date: June 17 – 21
 Time: 8:30am – 5:30pm

Measuring Science

How do scientists measure sound? By motion, oxygen or something else? In this camp, scientists will learn how to use computer-based scientific measuring tools (Vernier software and probes) to develop and conduct their own scientific investigation. Scientists will then present their investigation to a panel of judges in a mini science fair.

Price: \$180
 EUREKA! Member Price: \$155
 Age Group: High School

Date: July 29 – August 2
 Time: 8:30am – 5:30pm

Minecraft Engineering

What would it take to build a community on Mars? Use both practical classroom materials and digital materials in Minecraft to problem solve and creatively build and engineer structures for life on Mars. What students do in this camp is only limited by their imaginations!

Price: \$180
 EUREKA! Member Price: \$155
 Age Group: Middle School

Date: July 22 – 26
 Time: 8:30am – 5:30pm

Sports Physics

Gaining real-life experience in sports physiology may sound too good to be true, but that's exactly what students in Sports Science Camp will receive! Students will apply their classroom learning at the Monfort Family Human Performance Lab on the Colorado Mesa University Campus with engineering professor Scott Bevill.

Price: \$180
 EUREKA! Member Price: \$155
 Age Group: High School

Date: June 3 – 7
 Time: 8:30am – 5:30pm











Over 60 middle school and high school camps students can explore all summer long!

SIGN UP TODAY, SUMMER CAMPS FILL FAST!

REGISTRATION FOR CAMPS AT WCCC

-  ReachYourPeakColorado.org
-  970.255.2800
-  cec@coloradomesa.edu
-  **WCCC Community Education Center**
2508 Blichmann Avenue, Building B
Grand Junction, CO 81505

REGISTRATION FOR CAMPS AT EUREKA!

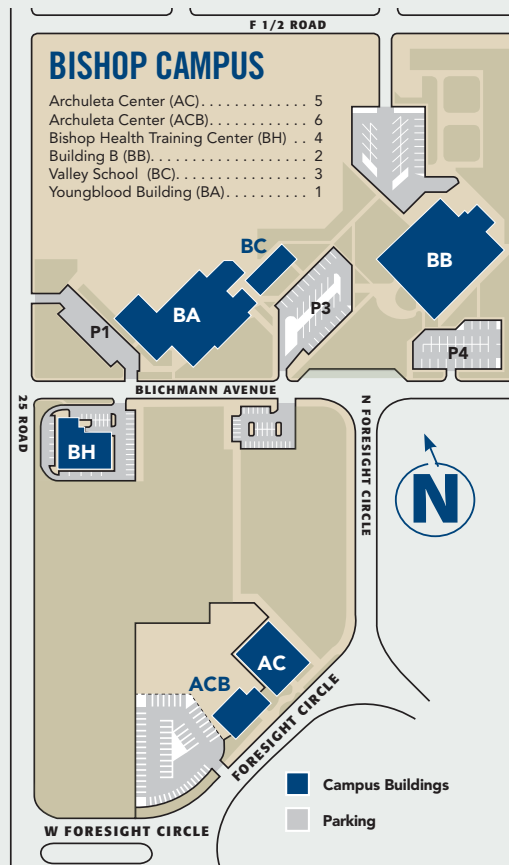
-  eurekasciencemuseum.org/upcoming-camps
-  **EUREKA! McConnell Science Museum**
1400 N. 7th Street
Grand Junction, CO 81505

REGISTRATION FOR CAMPS AT CMU

-  coloradomesa.edu/summer



WCCC Summer Camps are held on the Bishop Campus at 2508 Blichmann Avenue, Grand Junction, CO unless otherwise noted.



Colorado Mesa University is committed to providing admission or access to, or treatment or employment in, its educational endeavors, consonant with applicable laws and without regard to race, creed, color, religion, sex, disability, age, national origin, veteran status, marital status or sexual orientation.

Universidad de Colorado Mesa está comprometida a proveer la admisión o acceso o tratamiento o empleo en su labor educativa, de acuerdo con las leyes aplicables y sin distinción de raza, credo, color, religión, sexo, discapacidad, edad, origen nacional, condición de veterano, estado civil u orientación sexual.

Contact: Office of Diversity, Advocacy & Health, Colorado Mesa University, 1100 North Avenue, Grand Junction, CO 81501, 970.248.1366