

What does it mean to think outside?

OUTGOING

UNWRITTEN

TENACIOUS

Own your adventure

Being outgoing means always looking for the next adventure whether it's hiking Stormcastle, giving snowshoeing a try, or making new friends. At MSU, you'll find an adventurous, friendly community ready to welcome you.

Uncover your potential

When he was an MSU student in 1941, Maurice Hilleman didn't know he would save millions of lives by developing more than 40 vaccines. Our students' contributions are yet unwritten, world waits for them.

Take the less traveled

We have the grit and determination to accomplish amazing things, like shooting entire documentaries from the back of a horse, or being the first to discover life under the Antarctic ice.

SUSTAINING

INGENIOUS

Serve a bigger purpose

Ignite your curiosity

Attending a top research university means having the chance to help make big scientific discoveries. Our undergraduates help researchers discover life miles beneath the ice in Antarctica, create satellites that are launched into space by NASA, and investigate critical biomedical issues.

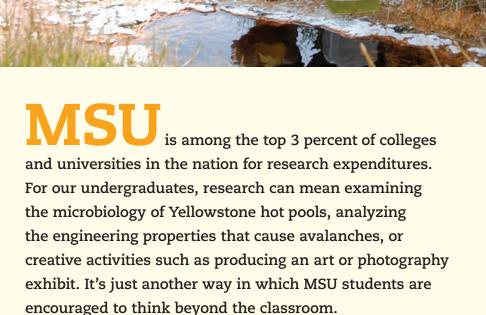
Design your future

From preparing tomorrow's classes in the **Design Sandbox** for Engaged Learning, MSU is

ELEVATED

Exceed expectations

MSU is a top producer of Goldwater scholars, top choice for Montana University System scholars, has a high academic profile, and offers challenging and exciting programs.



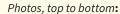
• Research centers



Research takes place in **44** research centers and 25 on-campus labs

An optics hub

Bozeman has the highest concentration of optics and photonics companies in the nation, with MSU's **OpTEC** at the forefront of optics research.

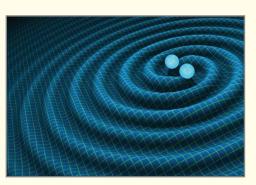


Snow science: Snow science faculty and students study snow as a material to conduct research on the mechanics of avalanches.

Gravitational waves: Scientists at MSU are part of an international scientific team that detected gravitational waves, a century after Albert Einstein predicted their existence. **Optics research:** Electrical engineering students work on their senior capstone research using polarized filters to identify cloud formation.



research & discovery







Among the top 3 percent of colleges and universities in the nation for research expenditures

A major research university with a unique focus on undergraduate research and creative projects

The only university of its kind with unparalleled access to outdoor adventure and discovery

Montana State is among the top colleges and universities...

...in Montana



Best Public University: Schools are ranked according to their performance across a set of widely accepted indicators of excellence.

—US News and World Report

Fall 2016

225+

ACADEMIC PROGRAMS

by enrollment

Arts & Architecture

Agriculture

MSU academic colleges

Best school for veterans: Each year, staff in MSU's Office of Disability, Re-entry and Veteran Services work with nearly 600 studentveterans to provide the support they need to succeed in school.

—College Factual and Military Times Magazine

...in the region



Top producer of **Goldwater Scholars:** The Goldwater Scholarship is a competitive national award given to math, science and engineering students. MSU has produced 68 Goldwater Scholars. -2017



Top 10 ROI for Public **Universities:** MSU is among the top public universities in the Western Region when one combines US News and World Report rankings with PavScale's 30 year return on investment for a degree. —Best Value Schools

...and in the U.S.



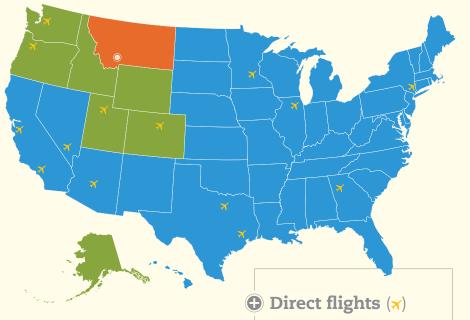
Best college for outdoor sports and recreation: "Bozeman is only 90 miles north of Yellowstone National Park, while Glacier and Grand **Teton National Parks** are also within reach for backpacking, camping and whitewater."

—Lend EDU, 2016



Innovation and **Economic Prosperity** Winner: "Talent" award honors an institution with exemplary initiatives in education and workforce development.

—Association of Public and Land Grant Universities, 2016



Top home states



Direct flights from Bozeman Yellowstone International Airport, Montana's top airport

Atlanta Chicago Dallas/Ft. Worth Denver Houston Las Vegas Los Angeles Minneapolis New York Phoenix

San Francisco

Seattle

ST AIRPOR IN MONTANA WES. MONY Portland Salt Lake City

© Enrollment

16,440

UNDERGRAD GRADUATE 14,400 2,040

Representing all 50 states and 721 students from 76 countries

Areas of study

Demographics

OUT-OF-STATE

MSU is the largest and fastest growing university in Montana.

Fall 2016 freshmen class

Engineering

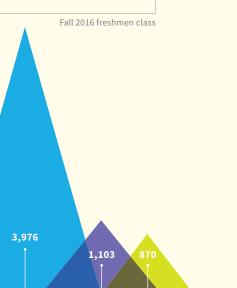
Letters & Science

Academic scores

25.4 AVG ACT

1230 AVG SAT

3.48 AVG GPA



Undeclared

Nursing

MSU Honors College

The **Honors College** prepares academically motivated students to think independently within a challenging and supportive community. Honors students can take unique interdisciplinary seminars taught by MSU's most distinguished professors. Seminars are capped at 15 students. There are also many special honors classes. Honors students are routinely invited to join outstanding scientists in their labs or pursue independent studies with acclaimed scholars and artists in a variety of fields.

Special offerings for honors students

Great Expeditions:

Enrichment through studies abroad

Freshman Research Symposium: Introduction to the breadth of research opportunities on campus

Honors Texts and Critics course:

Emphasizes critical reading and analysis of fundamental texts in a variety of disciplines

Hike and Read:

A weekend in the mountains with hikes, presentations and book discussions

Undergraduate Research/Creative Thesis:

Excellent preparation for advanced education or careers

See complete list of current offerings at montana.edu/honors

Bozeman facts

	FOUNDED 1864	COORDINATES 45°40'40"N 111°2'50"W	ELEVATION 4,820'	AVERAGE SNOWFALL 86"
	POPULATION 45,000	MICROPOLITAN POPULATION 104,000	MEDIAN AGE 27.3	COLLEGE DEGREE OR HIGHER 54%
	AREA TRAILS More than 100	WILDERNESS ACRES NEAR BOZEMAN 1.8 million	HIGHEST NEARBY PEAK Gallatin Peak 10,997'	AREA RIVERS Gallatin Madison Yellowstone

Students enrolled

in Honors courses

1,437

Education, Health &

Human Development

Business &

Entrepreneurship

global impact

MSU is collaborating with Alaskan researchers to address health disparities facing Native communities in both Montana and Alaska.

Bozeman (**)

Canada

MSU Professors Mark Skidmore and Eric Boyd study the chemical process that sustains microbial life under glaciers at the Robertson Glacier near Canmore, Alberta.

think outside...

borders

MSU art history professor Regina Gee, an international authority on ancient Roman frescoes, uncovers stories of ancient Romans revealed by excavation of the Oplontis villas near Naples.

Six scientists came from Mali to MSU to get the training they needed to establish a new agricultural entrepreneurship program in their home country.

MSU nursing students and professors travelled to Cuba to gain an appreciation of the healthcare

was head of the mobility team for the Mars rover, Curiosity. MSU engineering students have also worked on a lunar excavator

system, culture and environment.

MSU graduate Jaime Waydo



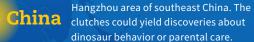
STUDENTS ABROAD

MSU students and professors think and act globally. Our students can study abroad with more than 250 programs offered in more than 60 countries. Service projects, research, the arts and special course offerings take our students around the world in the name of engagement and discovery.



MSU scientist Dave McWethy, an expert on wildfires, is studying wildfires in central Chile to understand how changes in plant communities are influencing fire activity.

A team of MSU architecture students and professors worked with the Sherpa people to design and build the Khumbu Climbing School in the remote Himalayan foothills.



apan

MSU paleontologists recently excavated four clutches of dinosaur eggs in the

> Two MSU business students are selected each year via a competitive application process for an internship program in Japan. The internship takes place over the summer, during which the students work at the Starzen Company and experience the country's diverse culture.

🕀 Kenya

MSU's Engineers Without Borders has been active for 12 years and has completed 33 projects in the Khwisero region of Kenya.



MSU doctoral student Jeffrey Simkins won a prestigious National Science Foundation grant to study whether MRI technology can be used to determine oxygen levels in reverse osmosis membranes.

MSU professor John Priscu led a team of scientists who discovered bacteria living in the cold, dark environs beneath the Antarctic ice sheet once thought incapable of supporting life. These researchers are looking for life in far-away but similar environments, like the ice-capped oceans of Jupiter's moon Europa or Saturn's moon Enceladus.







Helping students succeed is MSU's No. 1 priority.

Support for student success

Success advising, career coaching and financial coaching are among the personalized services provided by the Allen Yarnell Center for Student Success.

SmartyCats Tutoring

SmartyCats Tutoring provides peer tutoring for anyone who wants help with homework and class material, needs assistance preparing for exams or feels a little behind.

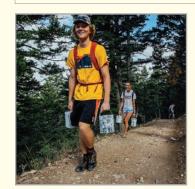
MSU Library

The MSU Library is one of the busiest buildings on campus, with 30,000 visits in a typical week. Library resources include:

- The Innovative Learning Studio provides wireless Apple TVs to access teaching and learning apps from mobile devices.
- Writing Center and an IT help desk
- The MSU Library Commons offers a flexible, technology-rich, collaborative environment that allows for endless configurations of student-created study spaces and group study rooms.
- Brewed Awakening coffee shop

Rockin' the "M"

The Office of Student Engagement is the hub for students to connect with their fellow Bobcats through student government, organizations, programs, events and service to the community. Below, MSU students come together to restore the landmark college "M" on Mount Baldy, in celebration of its 100th anniversary.









a day in the life

ith hundreds of student clubs and programs of academic study, dozens of athletic activities to watch or play, and four seasons in an outdoor paradise, every day can look different for each of our more than 16,000 students from fall, to winter, to spring and summer. Here's an idea of what a day in the life of an MSU student might look like.

8 A.M. Latte and breakfast at **Miller Dining Commons**



9 A.M. **Chemistry lecture** in Gaines Hall



10:30 A.M. **SmartyCats tutoring** at the Library



Noon Lunch at the Fork in the Road food truck



1:10 P.M. **Honors Class Texts & Critics: Imagination**



2 P.M. Work out at the fitness center's climbing wall



3 P.M. Prep for calc test at the **Math Learning Center**



5 P.M. Mongolian barbecue at **Miller Dining Commons**



7 P.M. Rent a kayak from Outdoor Rec and head for the Gallatin





hen you imagine your residence hall, do you picture a room for waxing your skis or tuning your bike? When you think of your meal plan, do you consider that it might include premium coffee and a food court with ten dining options? At MSU, you get all this and more in your first-year college experience. Choose your own residence lifestyle: Living Learning Community, or traditional all-male, all-female or co-ed living. Cook for yourself on the weekends in the shared kitchens, or go all-in with a full meal plan so you can focus on your studies.

Living Learning

Choose any of 7 living learning communities based on academic interests, designed to help you succeed both inside and outside the classroom.

• LEED Gold

Yellowstone Hall earned LEED Gold certification from the U.S. Green Building Council for energy-efficient and sustainable design and construction.

• New dining hall in 2018

A new dining hall will continue MSU's focus on locally sourced foods through our farm-to-campus program.



9 Yellowstone Hall

Co-ed double, single and semi-suite room layouts • Community kitchen area • Fireplace lounge Ski lockers • Bike-maintenance room and locked storage • Climbing boulder • Outdoor common area with gas grills • Active and quiet areas on all floors • Collaborative academic work areas





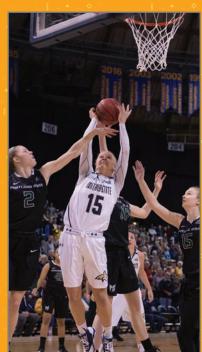








njoy the excitement of cheering for the Bobcats in 13 NCAA Division I sports and NIRA rodeo. Join the crowd at the first football game of the year, called Gold Rush. Cheer on our men's and women's basketball teams in the winter. Come to the spring rodeo to see everything from steer wrestling to barrel racing. There's always a way to show your spirit and share in the **Bobcat Athletics experience.**









Bobcat Athletics Highlights *left to right:* Women's basketball advanced to the NCAA tournament in 2017. Skier Benni Lyche claimed the 2017 national giant slalom title. • MSU Rodeo teams have claimed 8 national team titles, 32 individual national championships, and a multitude of Big Sky regional championship belt buckles. • MSU guard Tyler Hall set MSU's single-season scoring record with 700 points in a season.

BOBCAT TEAMS

Alpine Skiing Basketball Cross Country • • Football Golf **Nordic Skiing** Rodeo (NIRA) **Spirit Squad** Tennis Track & Field Volleyball

• Men's ■ Women's

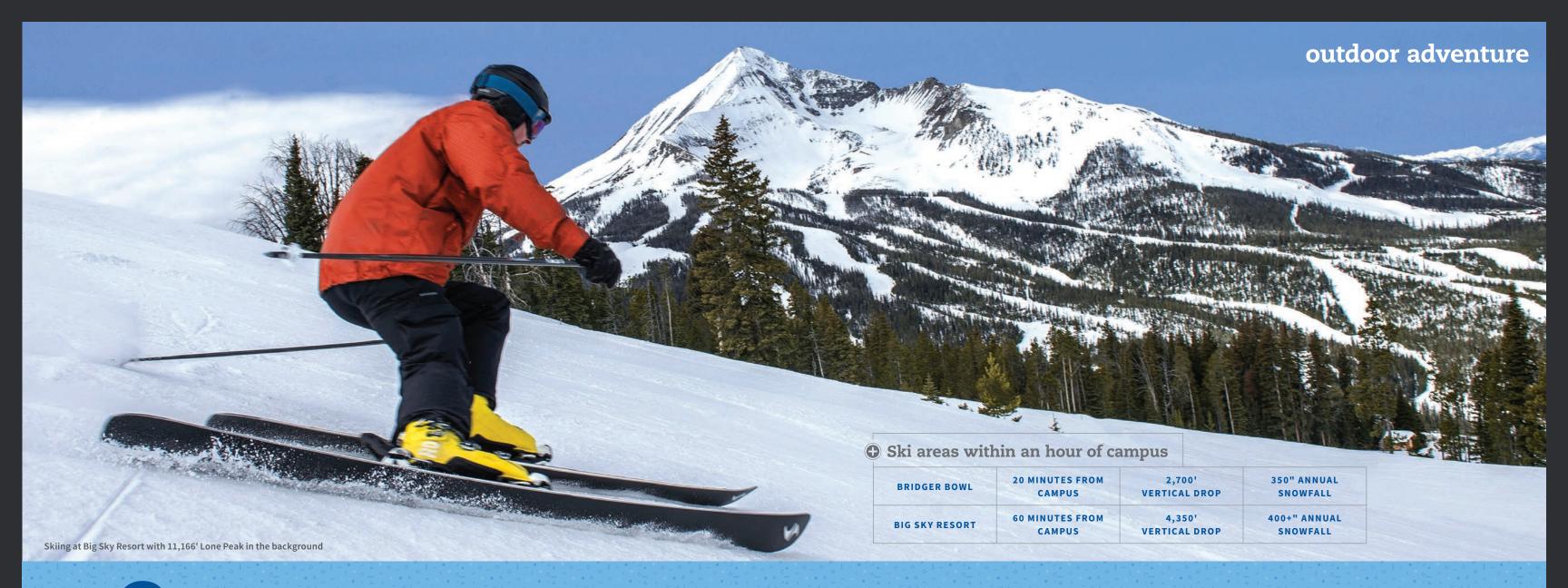


■ Nico Harrison went from playing basketball at MSU to managing brands of top basketball players LeBron James and Kobe Bryant. After MSU, he traded plans for a career in medicine for career opportunities in basketball. At first, he played basketball professionally in Europe before transitioning into Nike. Today, he's the vice president of North America basketball operations at Nike.

The annual "Gold Rush" game at Bobcat Stadium

The Bobcat Mascot

The Bobcat was selected as MSU's mascot in 1916 for its cunning intelligence, athletic prowess and independent spirit. At the time, MSU students also noted that the bobcat is known for its agility and wildness of spirit. We are Bobcats: feared and respected for our tenacity, athleticism and wit.



ur outdoor environment is a big part of our students' lives. MSU is located in an adventurer's paradise, with access to great downhill and cross country skiing, three blue-ribbon fishing rivers, and a variety of wilderness for hiking, camping and water recreation. From rock and ice climbing to paddle boarding to trail running, Bozeman offers an abundance of opportunities to play outside.

• Top ski town

Top 5

Bozeman ranked among top 5 best ski towns in the world. —National Geographic Gear up

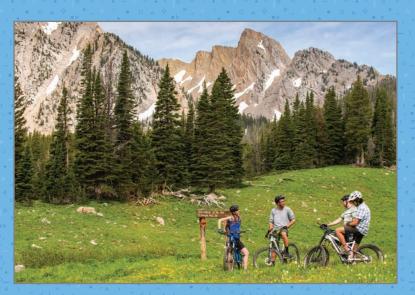


Rent any of **62** different types of gear from **Outdoor Recreation** on campus, from kayaks to climbing and backpacking gear.



MSU is Trout U[™]

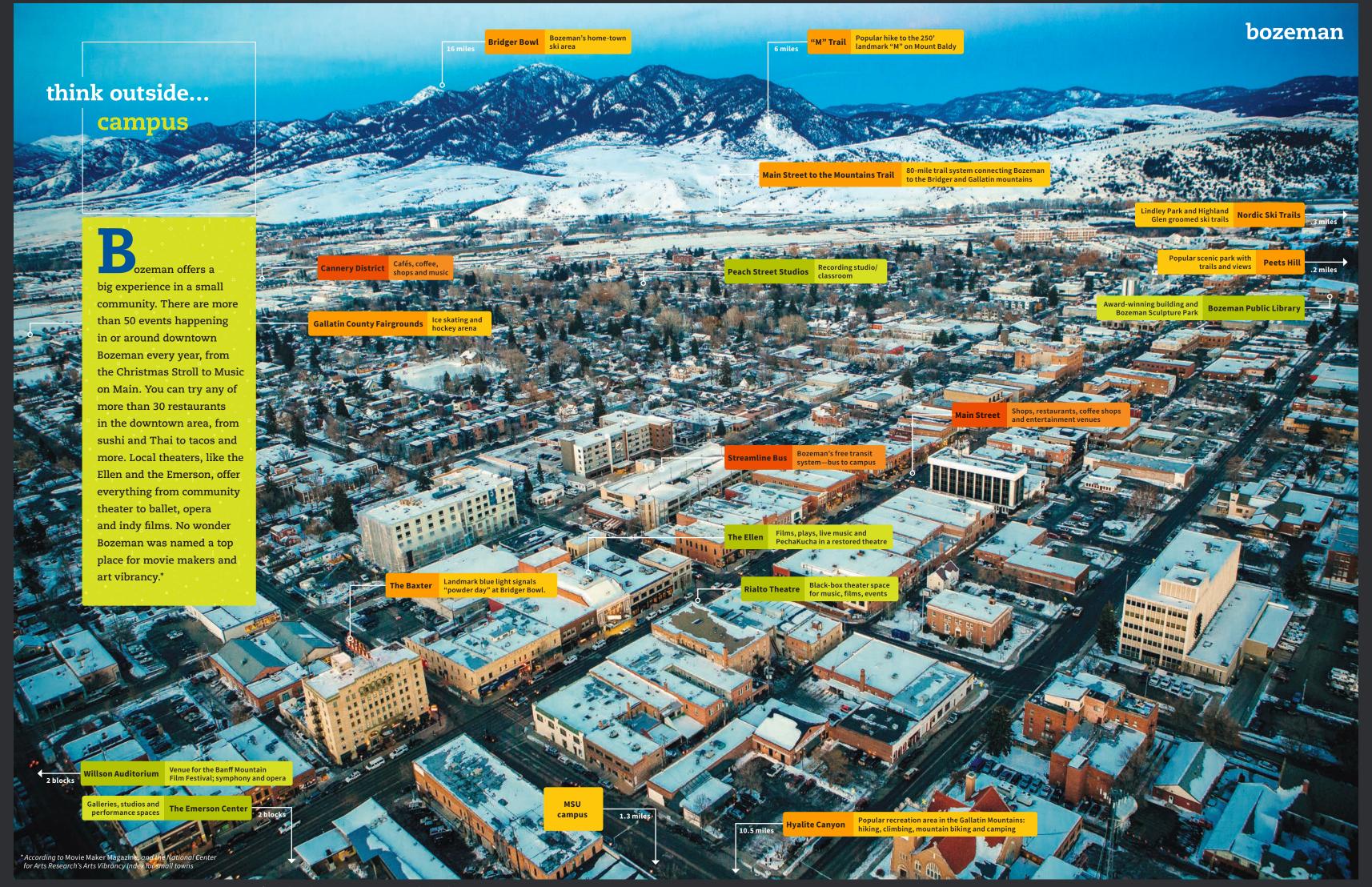
The Bozeman area is an angler's dreamland with five major rivers, innumerable streams, and abundant alpine lakes. You could dedicate a lifetime to fishing the area—and many people do. That's one of the reasons MSU is known as Trout U.™

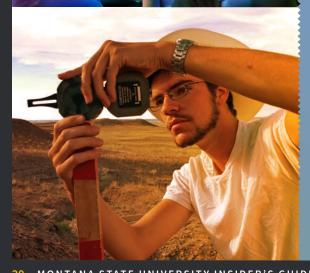


ABOVE: Mountain biking in the Bridger Mountains **RIGHT** top to bottom: Rock climbing in Gallatin Canyon • Snowshoeing in the nearby Spanish Peaks









Academic options

- MAJORS
- OPTIONS WITHIN A MAJOR

COLLEGE OF AGRICULTURE

- ■ Agricultural Business
- Agribusiness Management
- Farm & Ranch Management
- Agricultural Education
- Broadfield Teaching
- **Agricultural Relations**
- ■ Animal Science
- **Equine Science**
- Livestock Management & Industry
- Science
- Environmental Horticulture
- **Environmental Horticulture Science**
- Landscape Design
- Environmental Sciences
- Environmental Biology
- Geospatial & Environmental Analysis
- Land Rehabilitation
- Soil Science
- Soil & Water Sciences
- Water Resources
- Entomology (multiple departments)
- Financial Engineering
- Genetics (multiple departments)
- Natural Resources & Rangeland Ecology
- Rangeland Ecology & Management
- Wildlife Habitat & Ecology
- **Plant Science**
- Biotechnology (multiple departments)
- **Crop Science**
- **Plant Biology**
- ▲ Pre-Veterinary Medicine
- **Sustainable Food & Bioenergy Systems**
- Sustainable Crop Production
- Sustainable Livestock Production

COLLEGE OF ARTS & ARCHITECTURE

- Architecture (Environmental Design)¹
- TT Art Ed K-12 Broadfield Teaching
- **○** Art History **Graphic Design**
- Liberal Arts Studio
- Studio Arts
- Film & Photography
- Film
- **o** Photography
- ●■ Music
- TT Music Education
- Music Technology
- 1 Master of Architecture—one additional year

JAKE JABS COLLEGE OF BUSINESS & ENTREPRENEURSHIP

- Rusiness
- O Accounting²
- **Business Administration**
- **Business Certificate**
- Entrepreneurship & Small Business Management
- **Entrepreneurship Certificate**
- Finance
- International Business
- Management
- Marketing
- ² Master of Professional Accountancy—one-year program

COLLEGE OF ENGINEERING

- **Biological Engineering**
- **Chemical Engineering**
- **Civil Engineering**
- **Bio-Resources Option**
- Land Surveying
- Computer Engineering
- **Computer Science**
- **Interdisciplinary Option**
- **Professional Option**
- **Construction Engineering Technology**
- **Electrical Engineering**
- Financial Engineering
- Industrial & Mgmt. Systems Engineering³
- **Mechanical Engineering**
- Aerospace
- **Building Energy Systems**
- Materials
- Mechatronics
- **Mechanical Engineering Technology**
- ▲ Military Aerospace Studies-Air Force ROTC
- ▲ Military Science-Army ROTC
- Master of Science in Industrial & Management Engineering—one additional year

COLLEGE OF EDUCATION, HEALTH & HUMAN DEVELOPMENT

Education

- **▼** Elementary Education K-8
- Early Childhood
- Mathematics
- Reading K-12
- **Science Education**
- Special Education
- **▼** Secondary Education
- T Agricultural Ed Broadfield Teaching
- Art Education K-12 Teaching
- **General Science Broadfield Teaching**
- **Biology Teaching**
- **Chemistry Teaching**
- **Earth Science Teaching**
- **Economics Teaching**
- **English Teaching**
- French K-12 Teaching German K-12 Teaching
- **Government Teaching**
- History Teaching
- **Mathematics Teaching**
- Music K-12 Teaching **Physics Teaching**
- Reading K-12
- Social Studies Broadfield Teaching
- Spanish K-12 Teaching
- **Special Education**
- Technology Education
- Industrial Technology
- Technology Ed Broadfield Teaching

Health & Human Development

- Community Health
- Early Childhood Ed & Child Services
- Child Development
- Preschool-Grade 3 (P-3)
- Human Development & Family Science
- Family & Consumer Sciences Teaching
- Food & Nutrition
- Dietetics
- **Nutrition Science**
- T Health Enhancement K-12 (Health & PE)
- Coaching
- Health & Human Performance
- Exercise Science
- Kinesiology
- **Hospitality Management**
- **Food Enterprise**
- **Lodging & Facilities Management**
- Restaurant Management: Farm-to-Table Sustainable Food & Bioenergy Systems
- Sustainable Food Systems

COLLEGE OF LETTERS & SCIENCE (Humanities and Social Sciences)

- American Studies
- Anthropology
- Asian Studies
- **Economics** (multiple departments)
- T Economics Teaching
- English
- T English Teaching
- Literature
- Writing
- History **History Teaching**
- Museum Studies
- Science, Environment, Technology & Society
- Liberal Studies
- **Environmental Studies**
- Global/Multicultural Studies
- Quaternity
- **Modern Languages & Literatures**
- **China Studies** French & Francophone Studies
- French K-12 Teaching
- **German Studies** German K-12 Teaching
- **Hispanic Studies**
- Japan Studies Latin American & Latino/a Studies
- Spanish K-12 Teaching
- Native American Studies
- Philosophy
- ■ Political Science
- **Government Teaching**
- Pre-Law
 - Psvchology
- **Applied Psychology** Psychological Science
- ●■ Sociology
- Criminology
- General Sociology ■ Women's, Gender & Sexuality Studies

HONORS COLLEGE

Honors Baccalaureate degree

- PRE-PROFESSIONAL PROGRAMS
- ▲ Pre-Law (L & S) ● A Pre-Medicine/Pre-Health Professions (L & S)
- A Pre-Veterinary Medicine (Agriculture)

UNIVERSITY PROGRAMS

- ▲ Leadership Fellows Program
- ▲ Undergraduate Scholars Program
- University Studies

COLLEGE OF LETTERS & SCIENCE (Math and Natural Sciences)

areas of study

- Astrobiology (multiple departments)
 - Biological Sciences (Ecology)
- TT Biology Teaching
- Conservation Biology & Ecology
- Fish & Wildlife Ecology & Management
- Organismal Biology
- Cell Biology & Neuroscience
- Biomedical Sciences
- Chemistry
- Biochemistry
- Chemistry Professional
- TT Chemistry Teaching Earth Sciences
- T Earth Science Teaching
- Geography Geology
- **o** GIS/Planning
- Paleontology Snow Science Water Resources
- Genetics (multiple departments)
- ○ Mathematics
- TT Mathematics Teaching 0 Statistics
- O Microbiology
- Environmental Health
- **Medical Laboratory Science**
- Pre-Medical
- Physics
- TT Physics Teaching
- ▲ Pre-Medicine/Pre-Dentistry/

Pre-Optometry/Pre-Health Professions

Gallatin College offers 1- and 2-year programs for

COLLEGE OF NURSING

Nursing

GALLATIN COLLEGE

MONTANA STATE ONLINE See course listing at montana.edu/online.

Please note: MSU's academic programs are subject to change. This listing offers an overview as of May 2017. For the most up-to-date information, please contact the Office of Admissions at 1-888-678-2287 or email admissions@montana.edu.

20 MONTANA STATE UNIVERSITY INSIDER'S GUIDE | Apply online at www.montana.edu/apply

- Applied Mathematics
- Environmental Microbiology
- Pre-Veterinary
- Physics Interdisciplinary

Materials

- **Physics Professional**
- Optics

career preparation and 2-year associate degrees.

COLLEGE OF **AGRICULTURE**

AREAS OF STUDY

- Agricultural Business
- Agribusiness Management
- Farm & Ranch Management
- Agricultural Education
- **Broadfield Teaching**
- **Agricultural Relations**
- Animal Science
- **Equine Science**
- Livestock Management & Industry
- Science
- Environmental Horticulture
- **Environmental Horticulture Science**
- Landscape Design
- o Environmental Sciences
- **Environmental Biology**
- Geospatial & Environmental Analysis
- **Land Rehabilitation**
- Soil Science
- Soil & Water Sciences
- Water Resources
- Entomology (multiple departments)
- Financial Engineering
- Genetics (multiple departments)
- Natural Resources & Rangeland Ecology
- Rangeland Ecology & Management
- Wildlife Habitat & Ecology
- Biotechnology
- **Crop Science**
- Plant Biology
- **▲** Pre-Veterinary Medicine Sustainable Food & Bioenergy Systems
- Agroecology
- Sustainable Crop Production
- Sustainable Livestock Production
- Major
- Option within a major
- Teaching major Teaching minor
- ▲ Special program

Ag research

EXPERIMENT STATIONS

MSU agriculture students conduct research at Montana Agricultural **Experiment Stations** across the state.



Top 40

MSU's 254-acre Post Farm, near Bozeman, was ranked one of the best college research and teaching farms in the nation by College Ranker.

Carmel Johnston studied **Environmental Sciences at MSU** while earning her bachelor's and master's degrees. After graduating, she was selected to serve as the crew commander in the HI-SEAS (Hawaii Space Exploration Analog and Simulation) mission for NASA. On Hawaii's Mauna Loa, she simulated life on Mars for a year. During this time, she conducted missions and lived in a small solar-powered dome with her crew members.

t MSU, agriculture students approach some of the world's oldest problems in bold new ways. They're learning how to grow crops and manage natural resources using the latest agricultural science and technology applications. They're helping conduct key research on how to feed the world's global population against growing challenges in climate and water. Agriculture students and professors are pushing the boundaries of what they know, like studying human and animal viruses in Yellowstone and discovering life on the continent of Antarctica. Whatever path you choose in the College of Agriculture, it will take you far away from the ordinary.



ABOVE: Wheat varieties research in the 60,000-square-feet Plant Growth Center **OPPOSITE** *left to right:* Pollinator research • Microbiology & Immunology • Animal Science

"I wanted to participate in HI-SEAS to contribute to space exploration, conduct research in a unique environment—and test my personal limits. The skills and topics I learned at MSU in soils courses, geology, geomorphology, GIS and remote sensing were directly applicable to collection and mapping of our 'Martian' landscape." -Carmel Johnston, agriculture alumna think outside...







Hawaii's Big Island and home base for the HI-SEAS program

COLLEGE OF AGRICULTURE | PROFILE

COLLEGE OF ARTS & ARCHITECTURE

AREAS OF STUDY

- Architecture (Environmental Design)¹
- Art
- T Art Ed K-12 Broadfield Teaching
- O≡ Art History
- Graphic Design
- Liberal Arts Studio
- Studio Arts
- Film & Photography
- Tiles
- Photography
- Music
- TT Music Education
- Music Technology
- ¹ Master of Architecture—one additional year
- Teaching major Teaching minor

Option within a major

■ Minor

Major

Perform

18

PERFORMING GROUPS

including vocal, wind, string and chamber and jazz ensembles

Gear checkout



MSU film and photography students can check out any of 17 different types of cameras, free of charge.



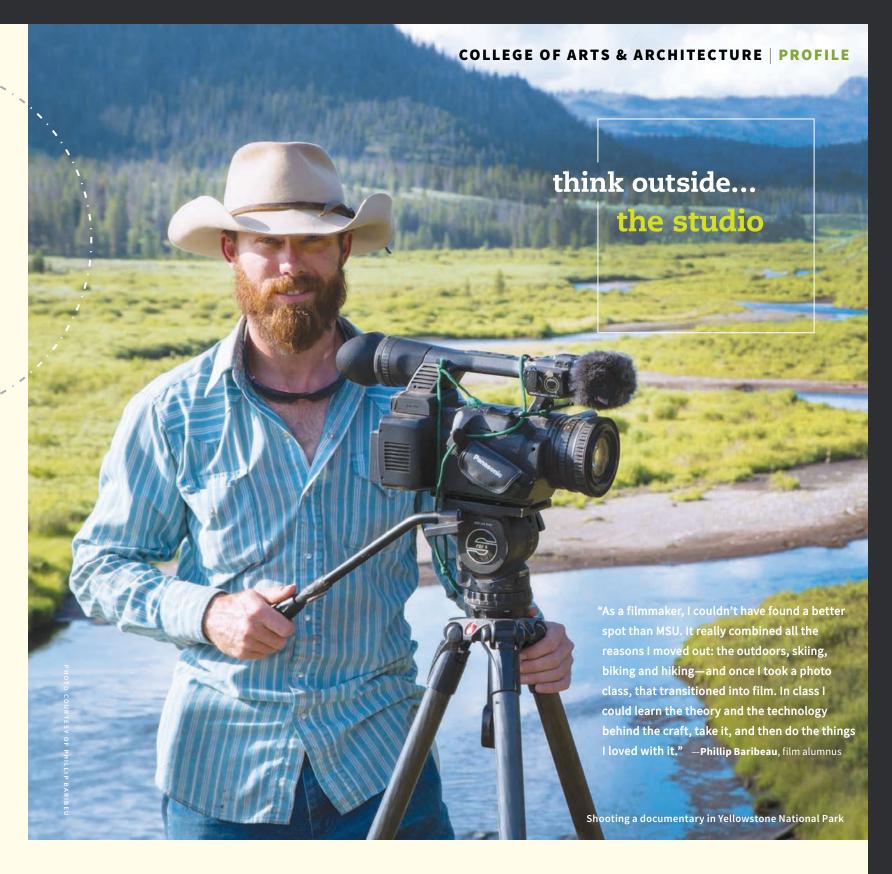
DESIGN SANDBOX FOR ENGAGED LEARNING

A collaboration space where faculty, students and industry professionals from different fields use design thinking to solve problems. for the outdoors, and found a career as a filmmaker. After graduating, he kept in touch with his professors and peers, asking for their help when he directed his first feature-length film, the documentary *Unbranded*. He captured the story of four recent college graduates who adopted and rode wild mustangs from Mexico to Canada along the Rocky Mountains. Now, he's promoting *Charged*, his latest documentary.

ur arts students can't help but be inspired by our unique and impressive natural environment. At MSU, even a parking garage can become a classroom for creative expression. Film graduates embark on exciting careers working on projects ranging from big Hollywood productions to making nature documentaries. Architecture students create the structures where we live, work and play. Graphic design grads do work for big clients such as Rossignol, Alaska Air and Starbucks. Plus, unique interdisciplinary offerings allow students to get the hands-on experience they need to transition into successful careers in creative industries.



ABOVE: First-year architecture students are immersed in design studios on their first day in the program. **OPPOSITE** *left to right:* Studio Arts • Internationally renowned graffiti artist Marina Zumi creates an art installation in the new campus parking garage • The Montana State Transmedia and Electroacoustic Realization (MONSTER) Studio









JAKE JABS COLLEGE OF BUSINESS & ENTREPRENEURSHIP

AREAS OF STUDY

- Accounting¹
- **Business Administration**
- **Business Certificate**
- Entrepreneurship & **Small Business Management**
- **Entrepreneurship Certificate**
- **International Business**
- Management

¹ Master of Professional Accountancy—one year program

• Major • Option within a major

■ Minor ▲ Special program

Student clubs

MSU BUSINESS CLUBS

American Marketing Association at MSU

> Beta Alpha Psi (accounting club)

Enactus/ Social Impact Club

Finance Club

International **Business Club**

LaunchCats (entrepreneurship club)

Management Club

Montana Investment Group

Jabs Hall

SQUARE FEET

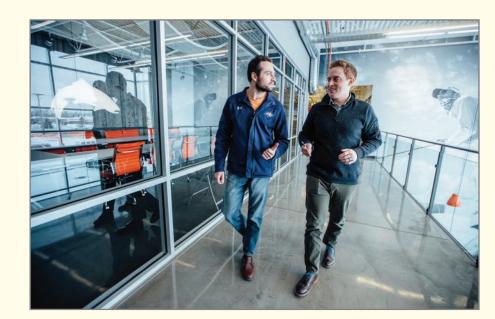
Opened in 2015 **LEED Gold Certified**



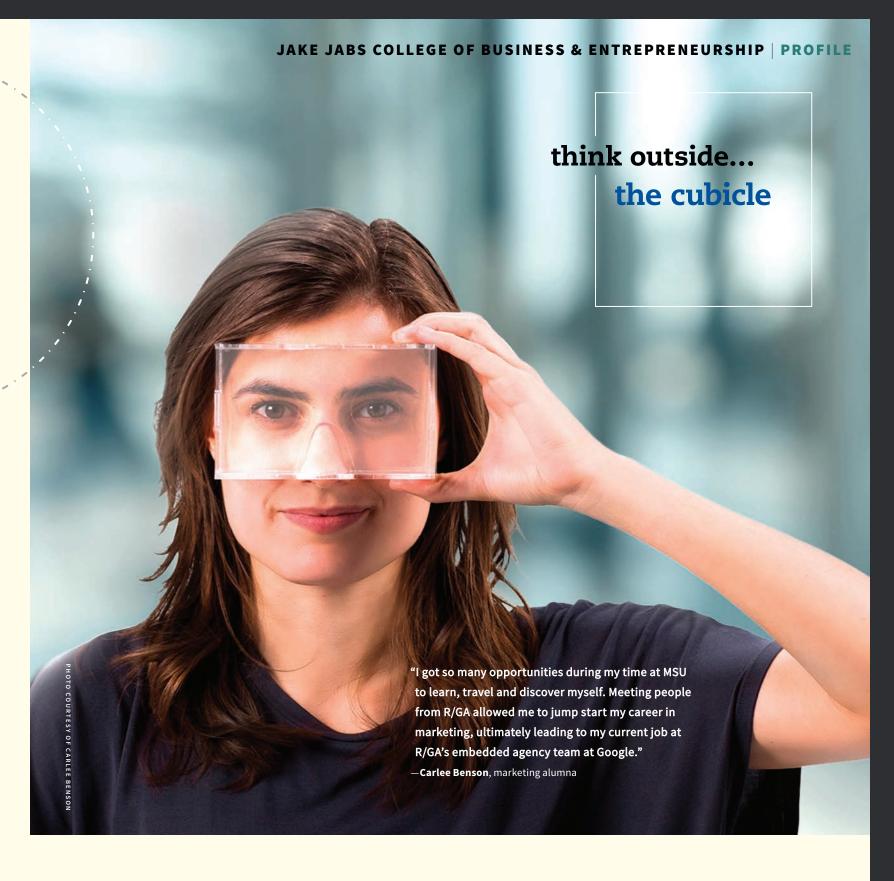
The Jake Jabs College of Business and Entrepreneurship is one of only **5 percent** of business schools worldwide to earn the elite AACSB accreditation.

After the ad agency R/GA visited MSU, the firm hired Carlee Benson as an intern in New York City in 2015. She was then hired as an associate producer in January 2016 after graduating with a marketing degree and an international business minor. She is now part of R/GA's embedded agency team at Google in Mountain View, Calif. In this picture, she's modeling "Cardboard Plastic"—one of Google's playful April Fool's products that she helped brand and develop.

he Jake Jabs College of Business and Entrepreneurship encourages creativity and innovation among both students and faculty. Whether students are training to become accountants, bankers, marketers, entrepreneurs or other types of business professionals, MSU offers topnotch academic support. Students have access to nationally recognized professors and speakers from companies like Google, R/GA and Kickstarter. A variety of clubs allow for leadership development, and specialty hands-on classes, internships, and recruiters help students transition from the classroom to the workplace. Plus, students have a brand new, state-of-the-art building to call home.



ABOVE: Accounting internship at Simms Fishing Products' headquarters in Bozeman **OPPOSITE** *left to right:* Freshman Venture Pitch Competition • Jabs Hall and classroom









COLLEGE OF EDUCATION, HEALTH & HUMAN DEVELOPMENT

AREAS OF STUDY

Education

- T Elementary Education K-8
- Early Childhood
- Reading K-12
- Science Education
- **Secondary Education**
- Agricultural Education Broadfield Teaching
- Art Education K-12 Teaching
- **General Science Broadfield Teaching**
- **Biology Teaching**
- **Chemistry Teaching**
- **Earth Science Teaching**
- **Economics Teaching**
- **English Teaching**
- French K-12 Teaching
- German K-12 Teaching
- **Government Teaching**
- **History Teaching**
- Mathematics Teaching
- Music K-12 Teaching
- **Physics Teaching** Reading K-12
- **Social Studies Broadfield Teaching**
- Spanish K-12 Teaching
- Special Education
- **Technology Education**
- Industrial Technology
- Technology Education Broadfield Teaching

Health & Human Development

- Community Health
- Early Childhood Education & Child Services
- Preschool-Grade 3 (P-3)
- O Human Development & Family Science
- **Family & Consumer Sciences Teaching**
- Food & Nutrition
- Dietetics
- **Nutrition Science**
- T Health Enhancement K-12 (Health & PE)
- Coaching
- **Health & Human Performance**
- Kinesiology
- **Hospitality Management**
- **Food Enterprise**
- **Lodging & Facilities Management**
- Restaurant Management: Farm-to-Table
- Sustainable Food & Bioenergy Systems
- Sustainable Food Systems
- Major Option within a major Minor
- T Teaching major T Teaching minor



New major in Fall 2017

Hospitality Management, with options in Food Enterprise, Lodging & Facilities Management and Restaurant Management: Farm-to-Table

13

STUDENT CLUBS

EHHD students can get involved in thirteen clubs and organizations

As an education student, Ryan Hannahoe channeled his enthusiasm for astronomy into summer internships with NASA. After becoming a middle school science teacher, he carried that enthusiasm with him into the classroom. In 2015, he was selected to be one of nine members of a new, international astronomy educator program that sent him to visit observatories in Chile. He's also had his photography of the night sky featured by the Smithsonian's Air and Science magazine.

he College of Education, Health and Human Development graduates more education students than any other school in the state, plus it offers top programs in nutrition, exercise science and community health. Students get hands-on learning opportunities in classrooms across the Gallatin Valley, conduct cutting-edge research in many disciplines, and they participate in student clubs and other engagement opportunities that make the world a better place. And after they graduate, students have great opportunities to launch careers that improve schools, communities and human well-being.



ABOVE: Dietetic interns in food lab learning sustainable ways to preserve food **OPPOSITE** *left to right:* Secondary education • Food research • Exercise science lab









COLLEGE OF ENGINEERING

AREAS OF STUDY

- **Biological Engineering**
- **Chemical Engineering**
- **Civil Engineering**
- **Bio-Resources Option**
- **Computer Engineering**
- **Computer Science**
- **Interdisciplinary Option**
- **Professional Option**
- **Construction Engineering Technology**
- **Electrical Engineering**
- **Financial Engineering**
- Industrial & Mgmt. Systems Engineering¹
- **Mechanical Engineering**
- Aerospace
- **Building Energy Systems**
- Materials
- Mechatronics
- **Mechanical Engineering Technology**
- Military Aerospace Studies-Air Force ROTC
- Military Science-Army ROTC

¹ Master of Science in Industrial & Management Engineering

• Major • Option within a major

▲ Special program

Stellar pass rate

88.6%

MSU students' pass rates for **Fundamentals of Engineering** exam are nine points above students at similar universities.

NASA satellites



Engineering students at MSU have helped create nine satellites launched into space by NASA.



ROBOT OLYMPICS

MSU computer science professor Hunter Lloyd designed a robot named Looney, which won 10 medals at the Robot Olympics.

Jaime Waydo graduated ▶ from MSU in 2000 with a degree in engineering. Then she led the team that designed the mobility systems for the Mars Rover, which landed on Mars in 2012. Now she's designing self-driving cars for Waymo, formerly Google's self-driving car project. In 2016, she returned to MSU to present on autonomous cars for MSU's Astronomy and Aerospace Day.

ngineering and computer science students at MSU think beyond concepts to find solutions on campus, in their communities, worldwide and even in space. Some students are programming submarines for competition while others are donating their time and effort to Engineers Without Borders to help the people of Khwisero, Kenya, get access to clean water. Plus, the Space Science and Engineering Lab built satellites that were launched into space by NASA. It's easy to understand how MSU Engineering graduates are prepared to pass the Fundamentals of Engineering exam and enter fulfilling careers.



ABOVE: Asbjornson Hall, scheduled to open in Fall 2018 **OPPOSITE** *left to right:* Civil Engineering • Electrical Engineering Lab **Engineering Design Fair**









COLLEGE OF LETTERS & SCIENCE

Humanities & Social Sciences

AREAS OF STUDY

- American Studies
- Anthropology
- Asian Studies
- Economics
- T Economics Teaching
- English
- T English Teaching
- Literature
- History
- **Museum Studies**
- Science, Environment, Technology & Society
- **Environmental Studies**
- Global/Multicultural Studies
- Quaternity
- Modern Languages & Literatures
- French & Francophone Studies
- French K-12 Teaching
- German K-12 Teaching
- **Hispanic Studies**
- Latin American & Latino/a Studies
- Spanish K-12 Teaching
- Native American Studies
- Philosophy
- **Government Teaching**
- Psychology
- Applied Psychology
- **Psychological Science**
- Sociology
- Criminology
- General Sociology
- Women's, Gender & Sexuality Studies
- T Teaching major T Teaching minor
- Option within a major
- Minor
- ▲ Special program



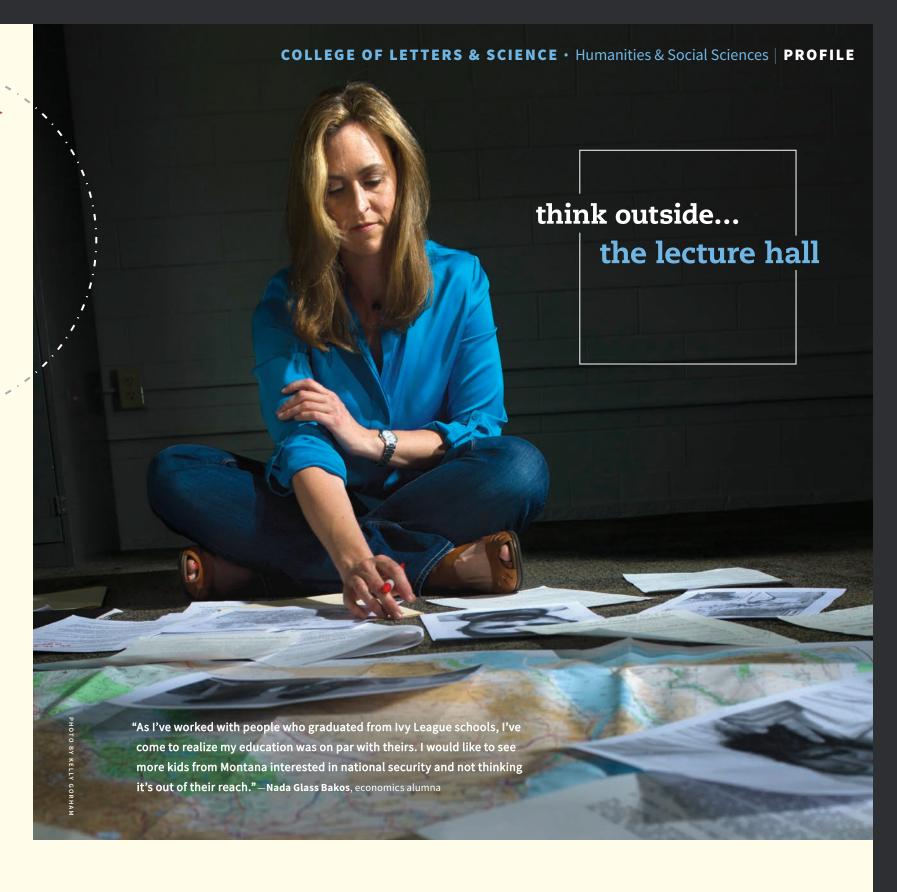
The College of Letters & Science has 9 psychology research labs studying issues ranging from neurobiology to memory and aging.

Nada Glass Bakos took her education in economics and translated it into a career as a highly regarded national security expert. As a CIA analyst, she was a key player in unearthing information that led to finding Abu Musab Al-Zarqawi, the godfather of ISIS. She has appeared as a guest commentator on ABC, BBC, CBC, CNN, FOX, MSNBC, PBS, and as a resource for journalists at the New York Times, Wall Street Journal, Washington Post and other major international and national media outlets.

umanities and social sciences students and professors at MSU learn concepts that take them to exciting places in their lives and careers. Robert Pirsig taught at MSU before writing Zen and the Art of Motorcycle Maintenance. Michael Ruiz, an anthropology student, conducted research in forensic anthropology that garnered him national attention. Evan Groves, a liberal studies major who focused on music and business, now owns a thriving national music technology business. MSU students' big ideas regularly earn them prestigious national awards, including Rhodes, Udall and McNair scholarships.



ABOVE: Pop-up museum recreating World War I trenches, created by history students **OPPOSITE** left to right: Anthropology students at the Archaeology Field School • Native American Studies • Modern Languages & Literatures









COLLEGE OF LETTERS & SCIENCE

Math & Natural Sciences

AREAS OF STUDY

- Astrobiology (multiple departments)
- Biological Sciences (Ecology)
- **Biology Teaching**
- Conservation Biology & Ecology
- Fish & Wildlife Ecology & Management
- Organismal Biology
- Cell Biology & Neuroscience
- **Biomedical Sciences**

- **Chemistry Professional**
- **Chemistry Teaching**
- Earth Science Teaching
- Geography
- GIS/Planning
- Snow Science
- Water Resources Genetics (multiple departments)
- **Applied Mathematics**
- Statistics

Microbiology

- **Environmental Health**
- **Environmental Microbiology**
- **Medical Laboratory Science**
- Pre-Medical

- Physics Interdisciplinary
- **Physics Professional**
- Physics Teaching
- Materials
- ▲ Pre-Medicine/Pre-Dentistry/ **Pre-Optometry/Pre-Health Professions**
- Option within a major Major

- Teaching major Teaching minor ■ Minor ▲ Special program



MSU's medical school acceptance rate is 20% higher than the national average.



MSU is ranked as the 26th most technologically advanced university in the world. -greatvaluecolleges.net

By 2008, **Gregg Treinish** ▶ had hiked more than 10,000 miles. He was one of the first two people to trek from the Equator to the southern tip of South America—7,800 miles. After National Geographic named him Adventurer of the Year, he enrolled at MSU to earn a degree in biology. Here he discovered that scientists need hard-to-get field data. In 2011, he founded Adventure Scientists, a nonprofit that connects adventurers with scientists to unlock environmental solutions.

tudying math and natural sciences at MSU provides access to millions of acres of natural lab space unlike anywhere else in the world. Unique classes, labs and programs of study such as snow science, set MSU apart from other schools. Whether learning in the sub-zero lab about what causes avalanches, or going on field trips to Yellowstone National Park to study ecology, MSU undergraduates get the hands-on experience needed to make a difference. Plus, student support offices, such as the Health Professions Advising office, help students succeed in the classroom and beyond.



ABOVE: Anatomy and physiology class OPPOSITE left to right: Research in the Department of Chemistry and Biochemistry • Student Research Celebration Microbiology and Immunology research









COLLEGE OF NURSING

AREAS OF STUDY

Nursing

MSU Clinical Sites for upper-division coursework



Career success

96%

of recent MSU nursing graduates are employed or enrolled in continuing education, with an average annual salary of \$52,727.

(most recent Career Destinations Survey)

Exam pass rate

94%

of MSU nursing grads who took the N-CLEX licensure exam passed on their first attempt, in most recent results.



MSU offers the only masters and doctoral nursing programs in Montana.

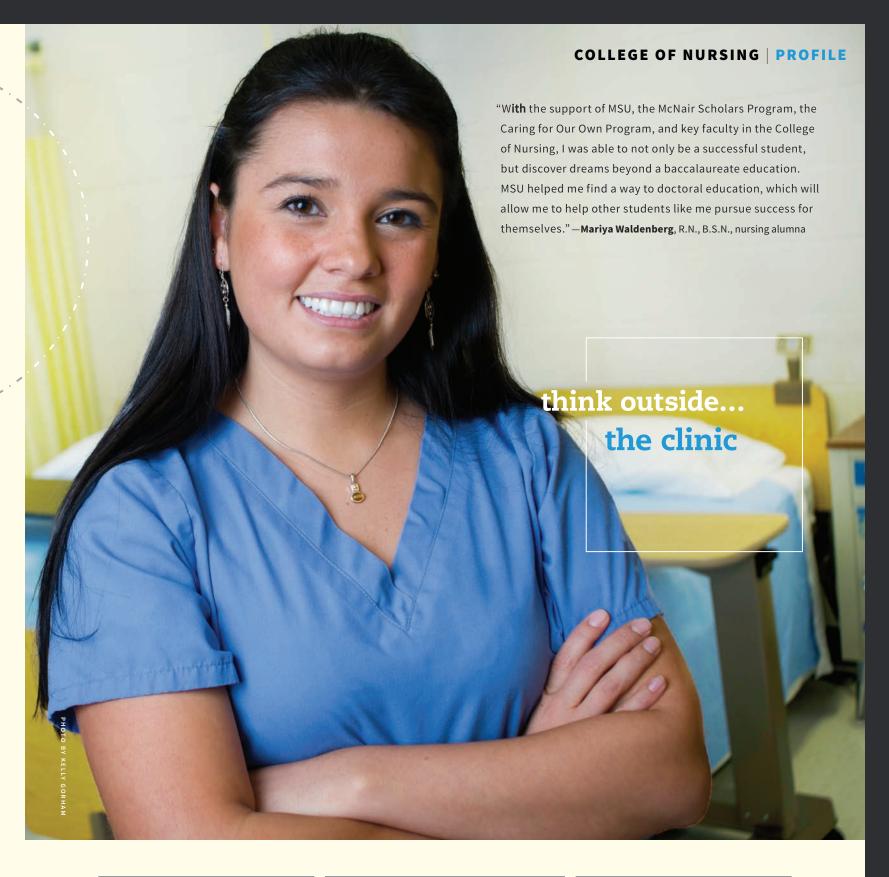
Northern Cheyenne tribal member Mariya Waldenberg benefitted from MSU's Caring for Our Own Program (CO-OP) when she studied nursing at MSU. CO-OP offers support to Native American nursing students, and strengthens reservation healthcare systems. After graduating, she returned to MSU to be a CO-OP advisor. She is currently earning her Ph.D. in nursing. Her research focus is equine-assisted therapy with a mental health emphasis in

the Native poplation.

SU's College of Nursing is educating the next generation of nursing professionals, including registered nurses and nurse practitioners. Nursing students work hands-on from start to finish, using simulation labs to bridge the gap from theory to practice. Clinical rotations in sites across Montana give nursing students the experience they need to provide excellent care throughout their careers. Plus, nursing professors and students are conducting important research on key topics in the field.



ABOVE: Graduate nursing students learn to cast broken bones **OPPOSITE** *left to right:* Clinical rotations at Bozeman Health • Nursing simulations • Conducting physical exams











MSU works hard to remove financial barriers

MSU distributes more than \$120 million in aid each year to students and their families.

Applying for financial aid is as easy as 1-2-3.

- 1 Submit the Free Application for Federal Student Aid (FAFSA). This can be done online at fafsa.ed.gov. To be considered for the widest range of financial aid, students should file the FAFSA by the December 1 deadline for the following fall semester. List MSU's school code 002532 on your application.
- 2 Your financial aid eligibility will be sent to you based on the information you provide. Accept or reject your aid package by the deadline.
- 3 Once you are accepted for admission and have registered for classes, you will receive a bill listing your charges and the financial aid you accepted. Confirm your attendance with MSU's Student Accounts Office to arrange payment.

Financial aid options include:

- Scholarships
- Grants*
- Tuition waivers
- Loans**
- Student employment

• Estimate the true cost



MSU's Real Deal College Cost Calculator gives you our best approximation of what it will cost for you to attend MSU. Visit montana.edu/realdeal.

© Cost savings programs

Graduate earlier, save on tuition



MSU's Freshman 15 initiative helps students save money by encouraging them to take 15 credits each semester and graduate on time. At MSU there is no cost for additional credits after a student pays for the first 12, so taking 15 hours equates to a cost savings each semester.

MESA grant matching funds

This program helps eligible MSU and Gallatin College students with limited income save money for college expenses. For every dollar a qualifying MSU student in the MESA program saves (up to \$500), it will be matched with \$3.

Estimated Annual Cost of Attendance

Resident Tuition/Fees1 \$7,080

Nonresident Tuition/Fees¹ \$24,070



Books/Supplies³ \$1,350

Resident Total Estimated Cost \$17,730

Room & Board² \$9,300

Nonresident **Total Estimated Cost** \$34,720

MSU's undergraduate tuition rate applies to undergraduate students at all class levels (freshman, sophomore, junior, and senior). There is not a higher rate for junior and senior students. These figures do not include the health insurance fee, which is required of students who do not have their own health insurance coverage.

² For on-campus residents, costs include in-room high speed internet service, unlimited entry into residence hall dining areas, cable TV and unlimited local phone service. Room and Board above is based on a double-room and a 7-day-meal plan. This figure also represents an amount reasonably incurred for off-campus housing and food costs. Food and housing costs will vary depending on a student's living arrangements and lifestyle.

³ The actual cost of books and supplies will vary depending upon curriculum

NOTE: Financial Aid budgets include a personal/transportation/miscellaneous figure of \$1,725 per semester (\$3,450 per year). Personal/miscellaneous expenses will vary depending on individual circumstances.

NOTE: The expenses shown reflect estimated costs for a student carrying a full-time load (12 or more credits) for fall and spring semesters, 2017/2018. These expenses include fees and other charges. Actual fees may vary based on specific program or course fees or the number of credits carried each semester. These figures are subject to change at any time and should be regarded as estimates only.

As of printing date. Estimated costs may be adjusted.

Grants do not have to be paid back. Federal grant programs include Federal Pell Grant and the Federal Supplemental Educational Opportunity Grant.

Loans are borrowed money that has to be paid back over a period of time after you leave school. Federal loans and programs include Federal Perkins Loans and the Federal Direct Loan Program, which consists of Federal Direct (subsidized and unsubsidized) Loans and Federal Direct PLUS Loans for parents of dependent students. Direct unsubsidized loans and Parent Plus loans are non-need based



General scholarships

First-time college students—Residents

- \$ Award amounts will vary up to \$12,000 (\$3,000 per year renewable depending upon test scores and grades).
- Additional application for some scholarships
- Awards may be limited. Apply early.
- www.montana.edu/admissions/scholarships/res

First-time college students—Nonresidents

- \$ Award amounts will vary from \$4,000 to \$60,000 (\$1,000 per year to \$15,000 per year renewable).
- Additional application
- Priority deadline is February 1, 2018.
- www.montana.edu/admissions/scholarships/nonres

Transfer students—Residents

- \$ Up to \$3,000 (depending upon test scores and grades) will be awarded to new resident transfers entering MSU in 2017/2018.
- ☑ Submit Montana Premier Scholarship Application
- Awards may be limited. Apply early.
- www.montana.edu/admissions/scholarships/transres

Transfer students—Nonresidents

- \$ Up to \$15,000 (depending upon test scores and grades) will be awarded to new non-resident transfers entering MSU in 2017/2018.
- Awards may be limited. Apply early.
- www.montana.edu/admissions/scholarships/transnonres

Military scholarships

Reserve Officer Training Corps (ROTC)

- \$ Air Force and Army ROTC Scholarships are available for both incoming high school students and current university students that have a need for a scholarship to complete their undergraduate degree or master's degree. Scholarships range from full 4 year scholarships down to 2 year scholarships, and guarantee a career in an exciting and cutting edge profession. All scholarships pay for full tuition and mandatory fees, for both resident and non-resident students, a yearly book allowance and a tax-free monthly stipend to defray the cost of living. Students must meet basic eligibility requirements.
- For further information, contact the MSU Army ROTC Department at armyrotc@ montana.edu or (phone 406-994-5477) or the MSU Air Force ROTC Department at afrotc@montana.edu (phone 406-994-4022).

Veterans (Choice Act and Yellow Ribbon)

- \$ Montana State University complies with the Choice Act, Section 702 law for participants in Montgomery GI Bill or Post 9/11 GI Bill. For those that do not meet qualifying requirements for the Choice Act, MSU still participates in the Yellow Ribbon Enhancement Program.
- Please contact MSU Veteran Services at 406-994-3661 or vets@montana.edu or www. montana.edu/veteran/ for information.

Merit scholarships

Presidential Scholarship

- \$ The Presidential Scholarship is the most prestigious scholarship at Montana State University, in recognition of academic excellence and demonstrated potential for leadership and service. Up to twenty such scholarships will be awarded to freshmen entering Montana State University each fall. The Presidential Scholarship includes a full tuition waiver and a generous stipend renewable for up to four years. Finalists who do not receive the Presidential Scholarship will be considered for the **Provost Scholarship**, which also provides a full tuition waiver renewable for four years and a stipend. Presidential and Provost Scholars automatically receive admission to the Honors College. A cumulative GPA of 3.75 and a composite score of 30 ACT or 1340 on the new SAT (2 scores) or 2000 on the old SAT (all 3 scores) are the expected norms for applicants.
- www.montana.edu/honors

Departmental Scholarships

\$ Be sure to check the website of the college or department where you plan to declare your major. There may be freshman or transfer scholarships available. If scholarships are need-based, you will need to complete the Free Application for Federal Student Aid (FAFSA).

Western Undergraduate Exchange

\$ A very limited number of Western Undergraduate Exchange (WUE) Awards will be available to new freshmen for the 2018/19 academic year. MSU WUE scholarships are highly competitive. The average ACT of MSU WUE recipients in 2017 was 31; SAT was 1350 (equivalent to 2020 on the old SAT) and GPA was 3.8. Students who apply for WUE will be automatically considered for all non-resident Achievement Award and will want to take the offer of greatest value. WUE is not stackable with Achievement Awards or Distinction Scholarships.

Montana State University National Merit Scholar Program

- \$ MSU is proud to offer a scholarship program to students who are selected as Finalists in the National Merit competition. Finalists who list Montana State as their first choice school with the National Merit Scholarship Corporation will receive a one-time \$3,000 tuition scholarship* for their first year. In addition, these students will receive \$750/year renewable for 4 years from MSU along with a generous Premier Scholarship (for residents) or Achievement Award (for nonresidents).
- * If students are offered a MSU Presidential Scholarship, MSU Provost Scholarship, MUS Honor Scholarship or other full tuition scholarship waiver, they are advised to select the offer of the greatest value. Students offered multiple awards that are designated to cover base tuition and fees cannot receive more than 100% of the cost of tuition and fees from the combination of the awards. The base tuition and fees amount does not include room and board, books, or other expenses.
- 1 http://www.montana.edu/admissions/scholarships/nationalmerit.html

American Indian scholarships

American Indian Tuition Waiver

- \$ The American Indian Tuition Waiver is available to Montana residents who are at least one-quarter American Indian blood or are enrolled members of a state or federally recognized Indian tribe which is located within the boundaries of the State of Montana. Students must also demonstrate financial need.
- For more information contact the MSU Office of Financial Aid at (406) 994-2845. Information and the application for the Indian Tuition Waiver can also be found on the Montana University System Fee Wavier website.

Native American Nonresident Tribal Homelands Scholarship Program (THSP)

- \$ Montana State University located in Bozeman, Montana, offers a "Tribal Homelands Scholarship Program" (THSP) that will allow a limited number of eligible Native American Students to qualify for a waiver of approximately \$16,000 per year. THSP is open to non-resident Native American new freshmen and transfer students who are interested in attending MSU and whose tribal affiliation once called the Montana area their "Homelands."
- 7 For further information contact the Office of Financial Aid at finaid@montana.edu or 406-994-2845.



eady to learn more about MSU? Come see us in person. Make an adventure of it: There's always something fun to do in and around Bozeman during your visit. Don't hesitate to reach out to our friendly Admissions staff with any questions you may have. We can't wait to meet you.

Schedule a visit

We invite you and your family to experience MSU firsthand. The Office of Admissions offers campus visits any weekday (except holidays) year round. The best way to learn about MSU is to check out our campus and have some one-on-one contact with students, staff and faculty. We invite you to explore Montana State University by scheduling an individual visit or attending one of our MSU Friday visit programs.

For the best experience, we recommend you schedule your visit two weeks in advance. This will allow us time to schedule requested appointments and send you a confirmation with details about your visit.

Register for a campus visit by calling 888-MSU-CATS or online at montana.edu/admissions/visit.

MSU Friday

MSU Friday events give prospective students and their families a chance to meet with faculty and students, explore academic facilities, tour campus and investigate financial aid and scholarships. Register for one of these exciting programs by contacting the Office of Admissions. For dates and registration information, visit montana.edu/msufriday.

Join the Class of 2022 to keep up with MSU: fb.com/groups/montanastate2022

twitter.com/montanastate You Tube youtube.com/montanastate

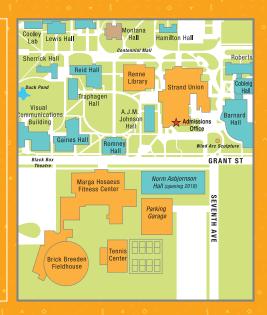
instagram.com/montanastateuniversity montana.edu/tour

Directions to campus

From the west: Take I-90 exit 305 onto North 19th Avenue and follow it south to Kagy Boulevard. Turn left onto Kagy and continue to South 7th Avenue; turn left and continue to parking areas.

From the east: Take I-90 exit 309 onto Main Street, proceed west to Willson Avenue, turn left and travel 18 blocks to Kagy Boulevard. Turn right and continue to South 7th Avenue, turn right again and continue to the parking lots on your left.

Parking: Contact the Office of Admissions at 1-888-MSU-CATS for information on parking.



Diversity Policy: Montana State University's campuses are committed to providing an environment that emphasizes the dignity and worth of every member of its community and that is free from harassment and discrimination based upon race, color, religion, national origin, creed, service in the uniformed services (as defined in state and federal law), veteran's status sex, age, political ideas, marital or family status, pregnancy, physical or mental disability, genetic information, gender identity, gender expression, or sexual orientation. Such an environment is necessary to a healthy learning, working, and living atmosphere because discrimination and harassment undermine human dignity and the positive connection among all people at our University. Acts of discrimination, harassment, sexual misconduct, dating violence, domestic violence, stalking, and retaliation will be addressed consistent with this policy.

Campus Crime and Security Statistics: In compliance with the Campus Crime Awareness and Campus Security Act of 1990, MSU provides notice to all prospective students about campus crime statistics for the past three calendar years. These campus crime statistics and additional safety information can be found online at: www.montana.edu/reports/security.pdf or may be requested by contacting MSU's Office of the Dean of Students at 406-994-2826.

Bulletin of Montana State University

Volume LXXI No. 3 July 2017 (USPS 360-420) The Montana State University Bulletin (USPS 360-420) is published four times a year and distributed free by the Office of University Communications, Montana State University, Bozeman, MT 59717-2220. Periodicals postage paid at Bozeman, Montana. POSTMASTER: Send address changes to the Office of Admissions, Montana State University, Bozeman, MT 59717-2190.



MSU BULLETIN

Office of Admissions P.O. Box 172190 Montana State University Bozeman, MT 59717-2190

1-888-MSU-CATS 1-888-678-2287 406-994-2452 admissions@montana.edu montana.edu





This publication was produced by the Montana State University Office of University Communications. Written by Alison Reidmohr and Ron Lambert • Design by Ron Lambert • Photography by Kelly Gorham and Adrian Sanchez Gonzalez unless otherwise noted.

