As a LAND-GRAIN UNIVERSITY
Montana State University has a long tradition of supporting
basic and applied research and
creative activity

MSU’S OVERALL RESEARCH ENTERPRISE
$109.6 million
[2014]

$106.9 million
Expenditures from competitive sponsored research programs
[Fiscal year 2015]
www.montana.edu/research

Current Planned Project: NORM ASBJORNSON INNOVATION CENTER FOR ENGINEERING
With a gift of $50 MILLION (largest private gift in state’s history)

FEATURED CENTERS INSTITUTES AND LABS
Western Transportation Institute
Montana Microfabrication Facility
Institute on Ecosystems
Energy Research Institute
Montana Water Center

In the history of the school, MSU has awarded
16,639 Master’s
8 Specialist and
2,164 Doctoral degrees
[1893-2016]

MSU holds
92 PATENTS for innovations and processes developed through faculty research
58 PATENTS PENDING
273 LICENSE AND OPTION AGREEMENTS with private firms
75 of which are with Montana companies
[2013-14]

MSU offers
• 54 master’s degree options
• 37 doctoral degree options (including 1 specialist program)
• 13 certificate options

CURRENT PLANNED PROJECT
NORM ASBJORNSON INNOVATION CENTER FOR ENGINEERING
With a gift of $50 MILLION (largest private gift in state’s history)

INTERNATIONAL ENROLLMENT
Number of students
154
Number of countries
47
Top 3 countries
India, China, Canada

In the history of the school, MSU has awarded
16,639 Master’s
8 Specialist and
2,164 Doctoral degrees
[1893-2016]
**Research Thrusts at MSU**

**Magnetic Resonance Lab**
Magnetic Resonance Imaging (MRI) is a noninvasive technique which has found broad application in clinical medicine and is a maturing method for studies in engineering and physics. Our group uses instruments that allow MRI to be applied with a resolution of 10 μm over 10mm diameter samples. MRI applied on this scale requires more sample specific tailoring of the pulse sequences and is more often termed Magnetic Resonance Microscopy (MRM) to distinguish it from medical scale imaging.

**Thermal Biology Institute**
conducts and promotes research and education focused on the biology and physical and chemical processes of geothermal environments in the Greater Yellowstone Ecosystem.

**Optical Technology Center**
is a multidisciplinary center at Montana State University, offering opportunities for students, faculty, industry and other interested partners to learn and work together to find solutions to practical problems and to discover new applications for optical technology.

**Center for Biofilm Engineering**
(CBE's) mission is to advance fundamental interdisciplinary research and education related to the management of bacterial biofilms, and to transfer that knowledge to the realm of applied science and technology.

**Subzero Science and Engineering Research Facility**
is a unique and state-of-the-art suite of laboratories used to study the effects of the cold on projects across many scientific disciplines.

**Image and Chemical Analysis Lab**
(ICAL) provides analytical facilities for the physical, biological and engineering sciences. These facilities are open to both academic researchers and the general public. Laboratory instrumentation is dedicated to the characterization of materials through high resolution imaging and spectroscopy.

**BOZEMAN, MONTANA**

**Museum of the Rockies**
Home to one of the largest and most famous collections of dinosaur fossils in the world. Along with its dinosaur collection, this museum also maintains a strong traveling exhibit program, bringing in collections and exhibits that have been shown at some of the most well known museums in the country.

**American Computer & Robotics Museum**
Not just for computer geeks (though they’ll love it too), the American computer & Robotics Museum in Bozeman offers a fascinating look into the rich history of computing, with exhibits on hacking the German Enigma machine, artificial intelligence and the history of the Apple Computer Company. The museum earns rave reviews with visitors for being both compact and comprehensive. Admission is free with donations welcome.

**Music on Main**
Music on main is a weekly summer concert series put on by the Downtown Bozeman Association and held in Bozeman’s Historic Downtown. The event hosts local vendors and nonprofit booths while hosting outstanding music by local and regional bands.

**Sweet Pea Festival**
The Sweet Pea Festival is a three day festival of the arts held the first Friday, Saturday and Sunday in August. The weekend entertainment comes in many forms: music of all genres, performances by local theater and dance troupes, workshops, family-friendly entertainment and activities, a flower show, a beer and wine garden featuring Montana microbrews, as well as over 100 arts and crafts vendors.

**Element Film Festival**
Element Film Festival Specializes in student produced and/or directed short documentaries. The categories include science, natural history, and cultural/social issues concerning science and natural history. Held every year in Bozeman Montana, EFF is produced by graduate students who are attending the Science and Natural History Filmmaking program at MSU.