

# Montana State Legislature

2011 Session

**Exhibit**

5

**This exhibit is a booklet which can not be scanned, therefore only the front cover/table of content and 10 pages have been scanned to aid in your research.**

**The original exhibits are on file at the Montana Historical Society and may be viewed there.**

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**Tech**

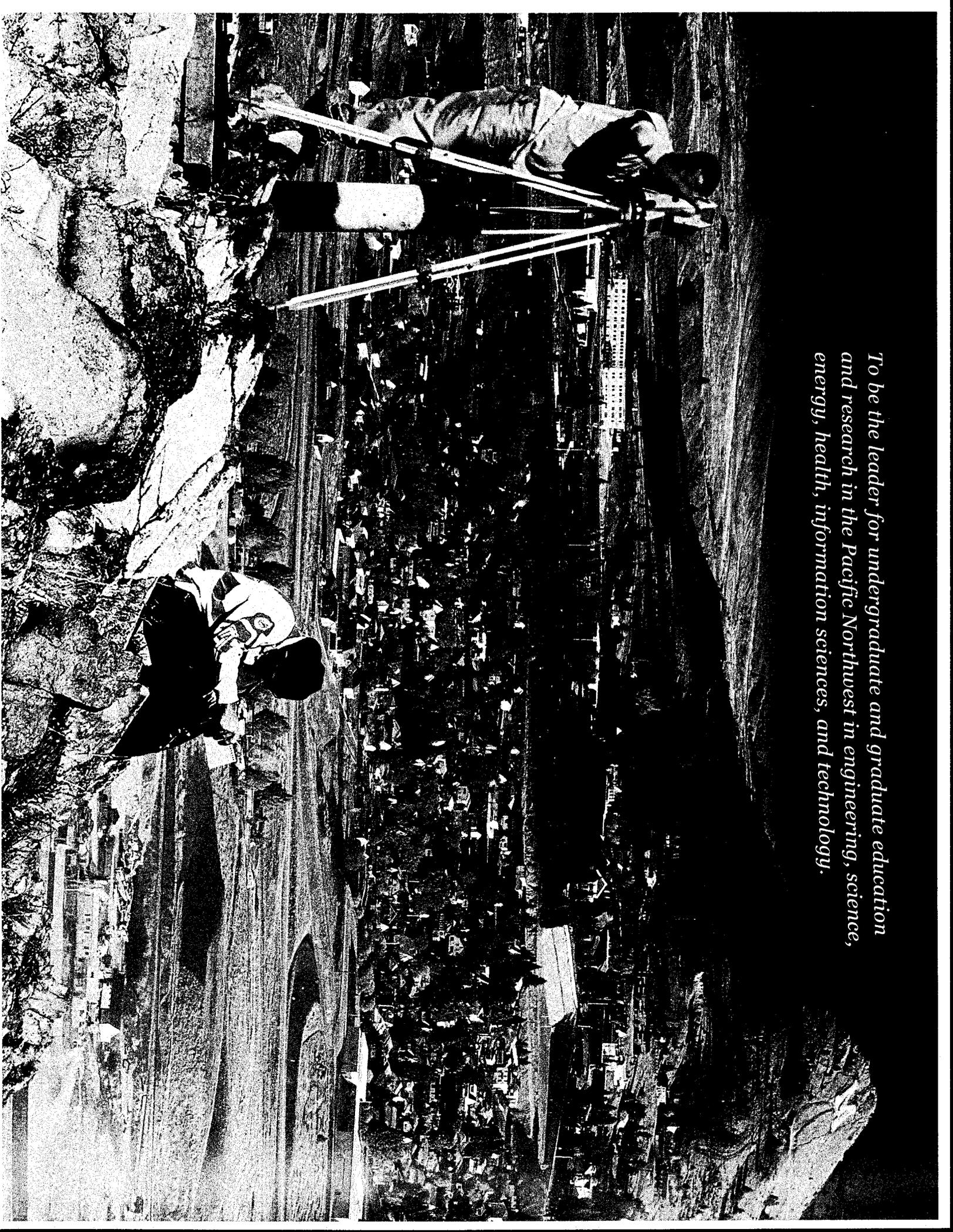
EXHIBIT # 5  
DATE 1/6/2011  
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2009

2009 Edition

*To be the leader for undergraduate and graduate education  
and research in the Pacific Northwest in engineering, science,  
energy, health, information sciences, and technology.*



# Our vision unites us and connects us with our community.

This document represents a shared path with milestones and benchmarks which leads us to our vision. We look inward to our core strengths and values as we chart our course for vision 2025. In such reflection we envision Montana Tech meeting challenges with solutions, changes with adaptation, and competition with strength. Recognizing the challenges inherent in deliberate change, we rise and unite to achieve our vision.

As we strive to be the leader for undergraduate and graduate education and research in the Pacific Northwest in engineering, science, energy, health, information sciences, and technology, we recognize the context and invite you to...

## Share our vision of Montana Tech 2025: prestigious, dynamic, strong.

### Core Values

**At Montana Tech, we value:**

- The intimate educational interactions made possible by a low **student-faculty ratio**;
- The sense of meaningful achievement when students **collaborate** with faculty on cutting-edge research;
- The accomplishments attained through the **diligence and work-ethic** of our staff, faculty, and students;
- The **responsibility** inherent in our role in meeting the educational and economic needs of our communities; Butte, Montana, the United States of America and other nations; and
- The results of a pragmatic and applied approach to education.

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# Continuing Prestige

Today and in the year 2025 academics constitute Montana Tech's primary purpose for being. As it always has, any vision of Montana Tech in 2025 flows outward from its academic mission.

Educational programming and co-curricular activities at Montana Tech provide the core strength from which all of our achievements flow. Developed in a spirit of collaboration among academic programs, students, and industry, the undergraduate education at Montana Tech prepares students for immediate career placement and provides a foundation for rapid advancement and good citizenship. Montana Tech teaches the best practices in all disciplines and graduates are prepared to function at or above current technical, legal, social, and cultural standards. This humanistic/applied approach helps separate Tech graduates from their peers at other institutions.

All programs on campus consistently graduate students whose performance demonstrably matches or exceeds those from comparable programs anywhere in the country. This performance is documented through competitions, external certifications, national/international exams, publications, accreditations, and international benchmarks.

Understanding the dynamic nature of career progression and undergraduate decision-making, Montana Tech is committed to a strong, vertically integrated, core curriculum that helps students identify and focus on a chosen major field early in their educational career. Students experience cross-disciplinary education throughout their time at Tech. They understand the relationships among the humanities, communication, science, and math because they experience these relationships in the classroom and across campus. This understanding leads to a systems approach to problem-solving as students recognize the interrelation of issues and actions.

*Faculty and staff develop complimentary and/or experiential curricula at various stages of the student's career to enhance the educational value of each class. Our commitment to the following academic outcomes is embedded throughout the institution's curriculum:*

## **LEADERSHIP**

Students at Montana Tech will demonstrate professional and personal leadership characteristics.

## **CULTURAL FLUENCY**

Students at Montana Tech will demonstrate cultural fluency (at the undergraduate level) or cultural awareness and sensitivity (at the associate degree level) in a culture other than their native experience.

## **ETHICS**

Ethical decision-making will be a part of each student's education at Montana Tech. Student code of ethics and accompanying cultural shift in sense of professionalism and responsibility curtails instances of cheating, improves esprit de corps, and creates a forum for open campus discussions of ethical dimensions of career decisions.

## **QUANTITATIVE SKILLS**

Students at Montana Tech will demonstrate superior applied quantitative skills.

## **COMMUNICATIONS**

Students at Montana Tech will demonstrate advanced communication skills (written, visual, and oral) utilizing the latest technologies.

## **TECHNICAL EXPERTISE**

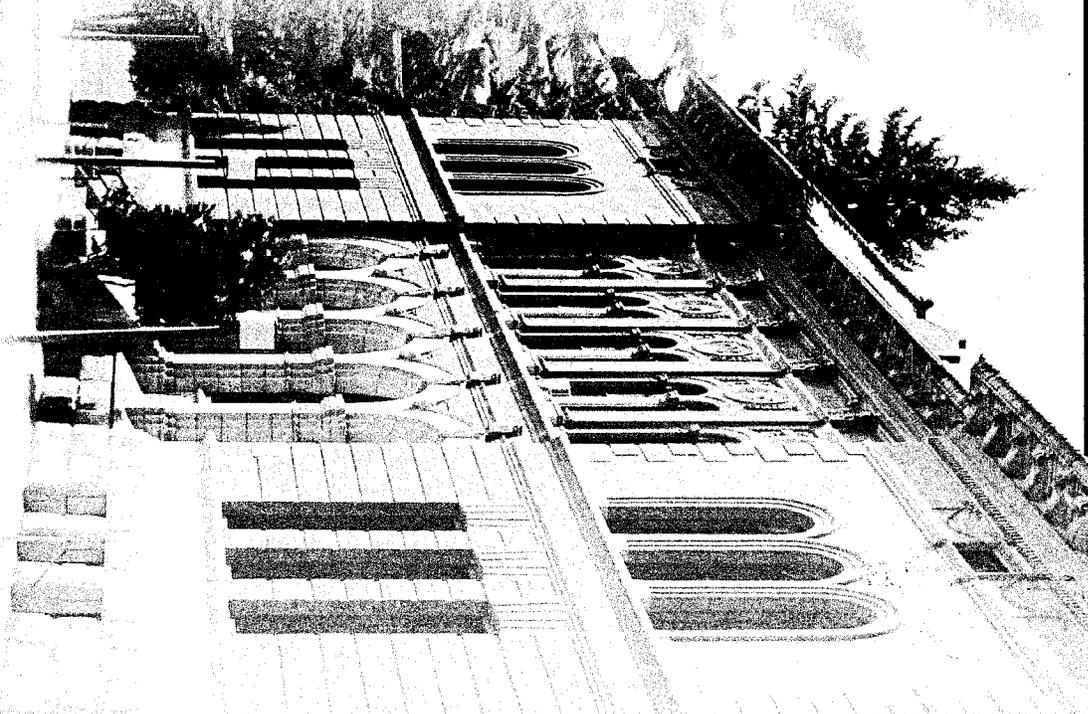
Students at Montana Tech will demonstrate applied technical expertise in their chosen field of study.

## **RESEARCH**

Students at Montana Tech will demonstrate their ability to conduct applied or empirical research.

## **CAREER**

Students at Montana Tech will demonstrate their ability to work in professional organizations, student clubs, and service-learning courses, students will demonstrate a commitment to participate in and contribute to their community.



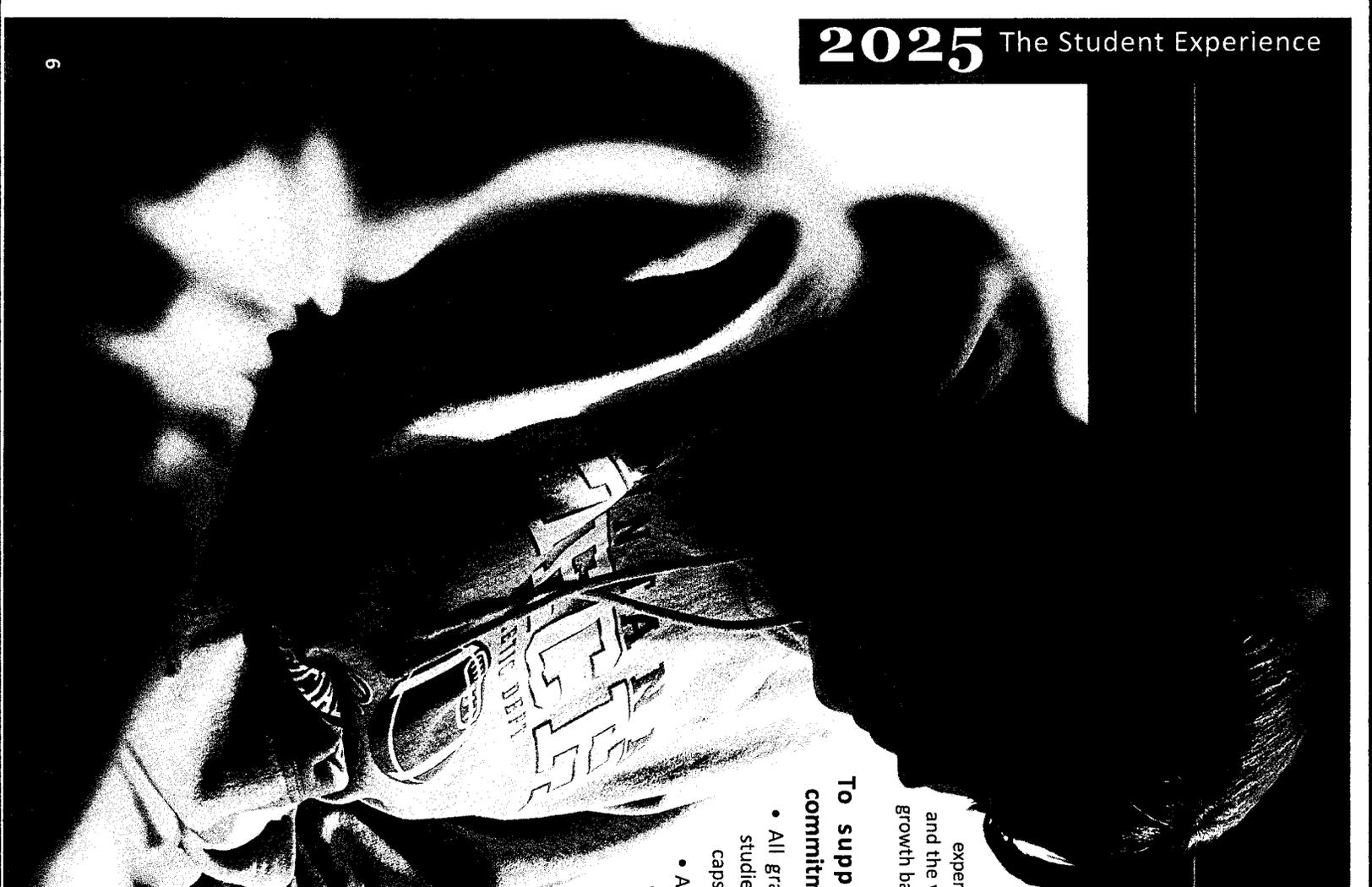
Students enrolling at Montana Tech in 2025 experience a real and pervasive sense of pride. Belonging to an organization with a strong sense of purpose anchors the scholastic experience. Montana Tech students enjoy an institutional commitment to each individual's growth. Students experience their education as a supported and guided transition. Tech students learn about themselves and the world around them, become more self-reliant, and recognize the need for self-reflection and growth balanced with a commitment to community interaction and service.

**To support its vision of the student experience, Montana Tech's commitment to the curriculum ensures that:**

- All graduates from Montana Tech will have engaged in a practical application of their studies through internships, undergraduate research, design teams, applied senior design, or a capstone course.
- All students gain a strong foundation in the fundamentals of math, science, humanities, communications, and technology as related to their chosen field.
- All students have the opportunity to expand their world-view through programs that focus on cultural diversity, such as study abroad programs, cultural exchanges, and national service organizations.
- All students participate in shaping their own future through Montana Tech's continued commitment to applied, hands-on education.

**To sustain support for students outside the classroom, Montana Tech's strong sense of community ensures that:**

- Students experience a commitment to balanced-living education. Whether they are varsity athletes or participating in private yoga classes, students experience the opportunity to develop their mind and body.
- Montana Tech dominates the Frontier Conference because of their student-athletes, teams, coaches, facilities, and academic results.
- Students experience a vibrant and engaged student-life program including activities like intramural athletics, cultural events, and community service activities.
- Graduates will have developed a strong sense of team and community with an emphasis on maximizing each individual's ability to contribute.



# Embracing Challenge

*Exceptional placement: Students graduate from Montana Tech with the skills and abilities needed to be exceptional at their first job. We will achieve a 95%+ degree-related placement rate or acceptance into graduate schools of choice.*

## To nourish its roots in the community of men and women whose success is based on their self-determination and hard work:

- Students learn to create their own future success regardless of their socio-economic status upon entering Montana Tech.
- Montana Tech recruits students who show promise of success based as much or more on their initiative and motivation as on their academic background.

## Standards and outcomes in 2025:

- **A strong and professional ability to communicate:** Graduates will demonstrate superior oral, written, electronic, and visual communication skills set, through a campus-wide rigorous assessment.
- **Independent learning:** Graduates will be able to self-teach as they train and retrain themselves in future vocations and avocations. Life-long learning is assumed for Montana Tech graduates in 2025.
- **Critical thinking and problem solving:** Through their education in a strong core and base knowledge in math, science, humanities, quantitative literacy (principles of engineering), and communication, graduates will have developed the skills like critical thinking and problem-solving that lead to independence.
- **Community connectedness:** A deeply rooted sense of place and community is ingrained during the students' formal education and then nurtured as alumni.
- **Exceptional placement:** Students graduate from Montana Tech with the skills and abilities needed to be exceptional at their first job. We will achieve a 95%+ degree-related placement rate or acceptance into graduate schools of choice.
- **Leadership:** Graduates find that their Tech experiences prepare them for leadership and professional advancement throughout their careers.

