DEGREES & MAJORS

Immerse yourself in your major from day one or explore your choices. The School of Mines is a great place to prepare for a future in science, medicine, engineering, mathematics, computer or law.

BACHELOR DEGREES
- Applied Biological Sciences
- Applied & Computational Mathematics
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Geological Engineering
- Geology
- Industrial Engineering & Engineering Management
- Interdisciplinary Sciences
- Atmospheric Sciences
- Pre-Professional Health Sciences
- Science, Technology & Society
- Mechanical Engineering
- Metallurgical Engineering
- Mining Engineering & Management
- Physics

MINORS
- Atmospheric Sciences
- Computer Science
- Environmental Engineering
- Geology
- Geospatial Technology
- Materials Science-Metals
- Mathematics
- Occupational Safety
- Physics
- Robotics
- Sustainability Engineering

MASTER OF SCIENCE
- Atmospheric & Environmental Sciences
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computational Sciences & Robotics
- Construction Management
- Electrical Engineering
- Engineering Management
- Geology & Geological Engineering
- Materials Engineering & Science
- Mechanical Engineering
- Mining Engineering
- Paleontology
- Physics

DOCTOR OF PHILOSOPHY
- Atmospheric & Environmental Sciences
- Biomedical Engineering
- Chemical & Biological Engineering
- Geology & Geological Engineering
- Materials Engineering & Science
- Mechanical Engineering
- Nanoscience & Nanotechnology

For more information on the degrees and majors offered, please visit academics.sdsmte.edu/programs.
We demand the impossible. And then we defy it. Our success isn’t just defined by the discoveries we make, but by the risks we take. Others stop at ‘what now.’ We begin at ‘what next.’

A School of Mines education serves as a launching pad for a brilliant career. Our competitive advantage goes beyond the classroom because today’s world demands relevance and adaptability. Unmatched opportunities for co-ops, internships, research and travel allow you to meet that need – and then surpass it. Surrounded by a community of committed people, you won’t just see our impact; you’ll be a part of it.

We’re affordable. School of Mines has been voted one of America’s 100 Best College Buys.

From the onset, students are encouraged to immerse themselves in intellectual inquiry. Completely. Passionately. Profoundly. They’re challenged to pioneer paths not-yet-discovered, imagine ideas never-before-conceived. When aspiring minds come together under the guidance of dynamic faculty, we enter a world of potential. In this environment of creative energy, you’ll learn as much from your peers as from your professors.

Our philosophy marries pursuit with purpose, which is why you’ll see not only success, but significance. From the sun glinting off our solar panels to the child in a Chilean village to which we’ve provided water, our commitment to the future spurs us to act in the present. Here, education is more than a degree. It’s an awareness, an experience, a responsibility and a gift.
In today’s rapidly-changing world, companies expect graduates to hit the ground running. **WE’LL GIVE YOU AN EDGE.**

**RESEARCH**

WHERE THE ROAD ENDS, RESEARCH BEGINS.

Along this journey to discovery, you’ll find answers – and start asking better questions. Breaking new ground means never letting the soil settle and constantly striving toward the unknown. It’s not about arriving at a destination but starting with infinite possibilities.

We orient ourselves around your ambition. With millions in competitive funding and 13 research centers and laboratories, untold opportunities exist, matched only by the number of undiscovered frontiers.

Through co-ops and internships, you’ll gain the professional experience to launch a successful career. You’ll be in good company: 76% of students graduate with relevant work experience through companies such as NASA, Caterpillar and Garmin. Students earned an average of $17.15 per hour this past summer.

Connect with over 150 employers at our Career Fairs or have a one-on-one with an employer during an on-campus interview. Last year alone, companies conducted more than 1,200 interviews at the School of Mines.

When you’re ready to take the next step, we’ll be with you. Our commitment doesn’t end when we place a degree in your hand. We help you put it to use. Fortune 500 companies like Microsoft, Dow Chemical and John Deere compete for our students each year. Employers offered graduates average starting salaries of $56,723 last year. With 97% of last year’s graduates currently working in their career fields and others pursuing advanced degrees, the future you’ve dreamt of awaits you.

**WHERE ARE THEY NOW?**

At the School of Mines, our reputation for excellence doesn’t stop at the classroom doors. You will find our graduates at all of these companies:

- 3M
- Archer Daniels Midland
- Bechtel Marine Propulsion Corp.
- Black Hills Corporation
- Baker Hughes
- Barrick Gold
- Cargill
- Caterpillar
- Daktronics
- Dow Chemical
- Garmin
- John Deere
- Kiewit
- L-3 Communications
- LyondellBasell
- Microsoft
- Newmont Mining
- Nucor
- Peabody Energy
- POET
- Polaris
- Puget Sound Naval Shipyard
- Raven Industries
- Rockwell Collins
- United Launch Alliance
- and many more

**IN THE FIELD**

**INTERNSHIPS AND CO-OPS**

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At the School of Mines, our reputation for excellence doesn’t stop at the classroom doors. You will find our graduates at all of these companies:

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- Archer Daniels Midland
- Bechtel Marine Propulsion Corp.
- Black Hills Corporation
- Baker Hughes
- Barrick Gold
- Cargill
- Caterpillar
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- Dow Chemical
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- Kiewit
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In today’s rapidly-changing world, companies expect graduates to hit the ground running. **WE’LL GIVE YOU AN EDGE.**
We believe in the power of exchange. Exposure to stimulating ideas sparks collaborative trailblazing that races to the brink of imagination – and then leaps. That’s why a School of Mines education crosses borders. Our students study in Spain and attend conferences in Dubai, conduct research in India and compete in the United Kingdom. We believe that a global perspective necessitates meaningful action. This commitment to service forms a cornerstone of our educational experience. Whether you’re studying sustainability in Copenhagen or designing a humanitarian project in Haiti, you’re engineering the solutions of tomorrow and creating a better world today.

In Tanzania, design teams demonstrated a water-purification system with the potential to provide drinking water, an accomplishment they replicated in Mongolia and Egypt. Other students traveled to Chile, managing design projects ranging from water supply to the refurbishment of a school for orphans. In Uganda, students developed a rain-water harvesting and water consumption system for a university. Bringing this basic amenity to over 3,000 students and staff ensured this school’s continued success.

Opportunity shouldn’t be sacrificed to means. Your international experience won’t break the bank. Through our European Project Semester Exchange Program, tuition remains the same as if you were on campus.

Here, global perspective meets social consciousness and excellence makes an impact. Our international experiences aren’t just life-changing, they change lives.
What’s college like at the School of Mines? It’s memories you’ll never forget and experiences you couldn’t have imagined. It’s late-night cramming and early-morning coffee runs, plays and concerts, intramurals and festivities. Some people say these are the best years of your life. We can guarantee they’ll be the most fun.

Find your niche. Whether your interests are social, political, cultural or recreational, there’s an organization for you. You can live it up with Greek life or ham it up on our radio show, game till dawn with the Tech Association of Gamers or train till dawn with Army ROTC’s Ranger Challenge.

Competitive, internationally-recognized, CAMP brings together students, faculty and industry leaders to partner on real-world projects where students test their grit against engineering universities from around the world.

Find adventure around every corner. Tear it up with our Ski and Snowboard Club, fly over a mountain trail with the Cycling Club, or rise to the summit with the Hardrocker Climbing Club. From soaring with the Hardrocker Flying Club, to blacksmithing with Back in Black, to diving into a game of water polo, our large range of student groups has something for everyone.

With spacious residential halls and apartment living, our close-knit community offers a supportive environment and a neighborhood feel.

Our students do more than compete in real-world challenges; they address real-world concerns too - like inefficient fuel economy. Our goal for this year’s Supermileage car: 1,000 miles on a single gallon of gas. No matter which team, you’ll be utilizing the most sophisticated laboratory and field equipment available. And in the process of engineering high-efficiency engines or high-tech suspension, you’ll find you’re engineering something greater: excellence.
Grab your board and carve up the ice on a tricked-out half pipe or shred the slopes. From beginner to expert, you can rip, ride and tear it up on the biggest verticals from the Rockies to New England. Scale the Needles, towering spires nestled in the heart of the Black Hills. Or whitewater raft through the “Hummer,” a heart-pounding 10-foot drop along Rapid Creek. Mountain bike or backpack on more than 6,000 miles of trails or kayak on the crystal waters of one of the Black Hills’ many lakes.

With a small-town soul and big-city offerings, Rapid City is a bustling hub day or night.

Spend the day at Main Street Square. Stroll along the plaza, lined by sunlit fountains and lush greenery, peruse the farmer’s market for fresh produce or watch a play in the open-air theater. As the sun fades, settle in for the latest blockbuster hit under the stars or rock out to a concert on the main stage. Enjoy year-round events from film festivals and street fairs, to comedy troupes and symphonies.

Craving some chow? Grab a bite at The Firehouse, a local brewery and restaurant that features live music and awesome eats. We’ve got your favorites covered too, from Buffalo Wild Wings to Qdoba to Famous Dave’s and more.

Over 70 shops & 33 restaurants to choose from, good times guaranteed.

4 SEASONS OF ADVENTURE TO FUEL YOUR ADRENALINE FIX.

CALLING ALL THRILL SEEKERS. GO WHERE EXTREME LIVES ON THE EDGE.

When the sunlight brushes pine-clad peaks before tumbling into valleys below, when the rays skim a lake, exploding into a thousand sparkling pools of light, and the crisp mountain air fills your lungs, it becomes easy to see why Outdoor Life Magazine voted Rapid City among the Best Towns for Sportsmen. All you have to do is look outside.

MORE SUNNY DAYS THAN HONOLULU OR MIAMI

Weekend Ready

Photo courtesy of SD Tourism

Photo courtesy of SD Tourism
Game day. A hush falls over the locker room. Brows furrow, jaws set, every heart, mind and soul focused on a single goal: triumph. The excitement in the stands is unmistakable. Anticipation hovers in the air, the stands shaking slightly as people stamp their feet, trying to stay warm. Suddenly, the team rushes the field. The crowd roars and the O’Harra stadium springs to life as 2300 voices join in one powerful cry: “Go Hardrockers!”

At the School of Mines, students pursue excellence on and off the field. Our women’s volleyball team dominated the court and the classroom last season, finishing with a winning-record - their second best ever - and an impressive team average GPA. With a number of All-American citations to our name, our athletes shatter records and academic standards.
GET STARTED

VISIT CAMPUS
We offer daily tours Monday – Friday.
gotomines.com/admissions/visit

GO TO MINE'S OPEN HOUSE
FALL: October 20 & November 10
SPRING: April 20
SUMMER: July 20

APPLICATION
Complete application online at gotomines.com/apply
- Application form with $20 non-refundable fee
- Official high school and/or college transcripts
- Official SAT or ACT test score

ADMISSIONS
HIGH SCHOOL COURSE EXPECTATIONS
Math – three years
English – four years
Lab Science – three years
Social Studies – three years
Fine Arts – one year

ASSURED FRESHMAN ADMISSION
25 ACT/1130 SAT Composite and
25 ACT/570 SAT Math Subscore or
4 years of Advanced Math & 3.5 cumulative GPA

TRANSFER REQUIREMENTS
Students with 24 or more credits must possess a 2.75 cumulative GPA or higher. Transfer applicants with less than 24 college credits must also meet freshman applications requirements.

FINANCIAL AID

ONLINE FINANCIAL AID ESTIMATOR
The School of Mines provides online calculators to help families plan for educational costs by calculating an estimate of need-based awards the student could receive. The estimator is available at gotomines.com/costs/calculators.

APPLYING FOR FINANCIAL AID
Free Application for Federal Student Aid (FAFSA) opens January 1 of each enrollment year. Filing immediately following this date ensures maximum eligibility for need-based aid. The FAFSA determines eligibility only for federal aid, and is not required for students to be considered for School of Mines scholarships.

The FAFSA for 2013 enrollment will be available online at FAFSA.gov on January 1, 2013. Students should submit the FAFSA to the School of Mines using Federal School Code 003470.

SCHOLARSHIPS
The application deadline for all scholarships is February 1. To be considered for the full range of scholarships, students’ admission applications must be complete by February 1 of the year they plan to attend. For more information visit: gotomines.com/costs/scholarships.

ESTIMATED COST OF ATTENDANCE PER YEAR

<table>
<thead>
<tr>
<th></th>
<th>SD RESIDENT</th>
<th>NON-RESIDENT</th>
<th>MN RESIDENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition/Fees*</td>
<td>$7,630</td>
<td>$9,575</td>
<td>$8,255</td>
</tr>
<tr>
<td>Books/Supplies**</td>
<td>$1,780</td>
<td>$1,780</td>
<td>$1,780</td>
</tr>
<tr>
<td>Room/Board</td>
<td>$5,890</td>
<td>$5,890</td>
<td>$5,890</td>
</tr>
<tr>
<td>Estimated Year Total</td>
<td>$15,300</td>
<td>$17,245</td>
<td>$15,925</td>
</tr>
</tbody>
</table>

*Averages based on 30 credits per year
**Books and supplies includes Tablet PC Program
WHY MINES?

97% OF GRADUATES FOUND JOBS IN THEIR CAREER FIELD LAST YEAR

$56,723 AVERAGE STARTING SALARY OF A 2010-11 GRADUATE

GREAT PLACE TO PREPARE FOR A FUTURE IN SCIENCE - MEDICINE - ENGINEERING MATHEMATICS - COMPUTERS - LAW

FORTUNE 500 COMPANIES COMPETE FOR OUR STUDENTS EACH YEAR

76% OF STUDENTS GET CO-OPS AND INTERNSHIPS WORLDWIDE

Follow us on Facebook facebook.com/SDSMTadmissions