Undergraduate Information

Undergraduate CATALOG

It is the responsibility of the student to become informed and to observe all regulations and procedures required by the program the student is pursuing. Ignorance of a rule does not constitute a basis for waiving that rule. The Undergraduate Catalog, current at the time of the student's most recent admission, gives the academic requirements the student must meet to graduate. However, a student can change to the requirements in a later catalog published while the student is enrolled as an undergraduate. Changes to administrative policies and procedures become effective for all students as soon as the campus community is notified of the changes. The Undergraduate Catalog is available to students in electronic format. Electronic versions of the Undergraduate Catalog may be updated more frequently to reflect changes approved by, and communicated to, the campus community. As such, students are encouraged to refer to the most recently available electronic version of the Undergraduate Catalog. This version is available at the Mines website. The electronic version of the Undergraduate Catalog is considered the official version of this document. In case of disagreement between the electronic and print versions (if available), the electronic version will take precedence.

Admission Requirements

Colorado School of Mines seeks to admit a diverse and dynamic student population representative of the state of Colorado, the nation and beyond. Mines admits students who have demonstrated the ability to accomplish classroom and laboratory work and benefit from our programs. The decision to admit a student is based on our confidence in one’s ability to earn a degree at Mines. Criteria considered in evaluating students include:

1. pattern of course work in high school or college,
2. grades earned in those courses,
3. ACT or SAT test scores (if provided),
4. rank in class, and
5. other available test scores (if provided),
6. other factors and characteristics of a successful student.

No single criterion for admission is used.

The admission requirements below are minimum requirements for consideration and may change after a catalog has been finalized. Admission is competitive and not guaranteed. The Board of Trustees, Mines governing board, reserves the right to deviate from published admission requirements. In such cases, changes in admission policy would be widely publicized.

Freshmen

Admission is competitive. The minimum requirements for admission consideration for all high school graduates who have not attended a college or university are as follows:

1. An applicant must be a graduate of an accredited high school.
2. The following 17 units of secondary school work should be completed upon graduation from high school:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra</td>
<td>2.0</td>
</tr>
<tr>
<td>Geometry</td>
<td>1.0</td>
</tr>
<tr>
<td>Advanced Mathematics (including Pre Calculus and/or Trigonometry)</td>
<td>1.0</td>
</tr>
<tr>
<td>English</td>
<td>4.0</td>
</tr>
<tr>
<td>History or Social Studies</td>
<td>3.0</td>
</tr>
<tr>
<td>Academic Elective (Computer Science if available)</td>
<td>2.0</td>
</tr>
<tr>
<td>Laboratory Science</td>
<td>3.0</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>1.0</td>
</tr>
<tr>
<td><strong>Total Semester Hrs</strong></td>
<td><strong>17.0</strong></td>
</tr>
</tbody>
</table>

3. One unit of laboratory science must be either chemistry or physics. The second and third units may be chemistry, physics, biology, zoology, botany, geology, etc. with laboratory. Both physics and chemistry are recommended for two of the three required units. General Science is not acceptable as a science unit, however it is acceptable as an academic elective unit.

4. The 2 units of academic electives (computer science, social studies, mathematics, English, science, or foreign language) must be acceptable to the applicant’s high school to meet graduation requirements. For applicants submitting GED Equivalency Diplomas, these units may be completed by the GED test.

Transfer Students

Admission is competitive. An applicant to Mines is considered to be a transfer student if he or she has enrolled in coursework at another college after graduating from high school. The minimum requirements for admission consideration for all transfer students are as follows:

1. Students transferring from another college or university must have completed the same high school course requirements as entering freshmen. A transcript of the applicant’s high school record is required.

2. Applicants must present official college transcripts from all colleges attended. Applicants must have an overall, cumulative college grade point average of 2.75 or better. Students presenting a lower GPA will be given careful consideration and acted on individually.

3. An applicant who cannot re-enroll at the institution from which he or she wishes to transfer, or from any previously attended institution because of scholastic record or other reason will be evaluated on a case-by-case basis.

4. Completed or "in progress" college courses which meet Mines graduation requirements are eligible for transfer credit if the institution is regionally accredited, and the course is not remedial or vocational, and the grade earned is a "C" or better. For more information see: http://catalog.mines.edu/undergraduate/undergraduateinformation/academicregulations/

Former Students

The minimum admission requirements for those students who have previously attended Mines are as follows:

1. Any student who has attended another college or university since last enrolling at Mines must re-apply for admission through the Admissions Office.

2. Any student who did not complete the semester immediately preceding the beginning of the period for which he or she wishes to enroll must be re-admitted to Mines by the Admissions Office.
3. A former student, returning after a period of suspension, must apply for admission to the Admissions Office and must furnish an approval for such re-enrollment from the Readmissions Committee of Colorado School of Mines. Appropriate forms to apply for admission may be obtained from the Admissions Office. Official transcripts for all coursework completed while away from Mines must be submitted to the Registrar's Office for review of transferability of the credit.

**Exchange Students**

All students participating in the Mines Exchange Program (coming to Mines and Mines students going abroad) must be enrolled in a minimum of 15 semester credit hours at Mines or the host university abroad. Contact Mines Education Abroad for further information about this requirement.

**International Students**

For purposes of admission, international applicants are students in a non-immigrant status who are not U.S. citizens or do not have approved and finalized U.S. permanent residence, refugee status or political asylum. International students usually need an F1 or J1 visa to study in the United States.

Generally, international applicants seeking admission to Colorado School of Mines must meet the same academic standards for admission as those required of American applicants. Admission is competitive. There are wide variations, however, between educational systems throughout the world that make exact comparisons of educational standards difficult. International applicants are selected on the basis of their prior academic work, probability of success in the chosen curriculum (as evidenced by prior work in the academic area involved) and proof of English proficiency. After admission but prior to enrollment, certification of adequate financial resources is required.

International applicants must submit a completed application; a $50 nonrefundable international document processing fee; translated secondary schooling records, and/or a credentials evaluation report, and when applicable, translated college transcripts. After admissions but prior to enrollment, a credential evaluation performed by a NACES member and certification of adequate financial resources is required.

**English Proficiency**

Student applicants whose native language is not English (identified by the U.S. Department of State Bureau of Public Affairs), must prove proficiency in the English language by achieving one of the following:

1. A TOEFL (Test of English as a Foreign Language) score of 79 on the internet Based TOEFL (iBT).
   
<table>
<thead>
<tr>
<th>Subject</th>
<th>Internet TOEFL (iBT)</th>
<th>Paper TOEFL (PBT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>20</td>
<td>54</td>
</tr>
<tr>
<td>Writing</td>
<td>17</td>
<td>55</td>
</tr>
<tr>
<td>Listening</td>
<td>21</td>
<td>55</td>
</tr>
<tr>
<td>Speaking</td>
<td>21</td>
<td>N/A</td>
</tr>
<tr>
<td>Total</td>
<td>79</td>
<td>550</td>
</tr>
</tbody>
</table>

2. An IELTS (International English Language Testing System) Score of 6.5, with no band below a 6.0.
3. Pearson Test of English/PTE Academic: Minimum overall score of 53 with no communicative skills score below 50.
4. Duolingo English Test - The Duolingo English Test is an acceptable test of English proficiency. A minimum overall score of 105, with no subscore below a 105 is required for all Fall 2021 applicants. We will evaluate our requirements in 2021 to determine 2022 requirements.
5. A bachelor's degree from a regionally accredited U.S. college or university.
6. Completion of four years of high school in a U.S. high school. These applicants are subject to high school competency requirements and ACT and/or SAT results.
7. Transferable credit from an accredited US institution of higher education equivalent to 30 credits or more including 6 credits of freshman English composition at a U.S. college or university with a cumulative GPA of 3.0 or higher.

The above English Proficiency requirement applies to students currently studying in the United States and for students outside the country.

**Advanced Credit for International Evaluation**

The following methods are used by Colorado School of Mines to validate the awarding of advanced standing credit for international students who have completed work in their home countries at the postsecondary level:

1. Credit is granted based upon recommendation by recognized academic publications, primarily provided by the American Association of Collegiate Registrars and Admissions Officers.
2. Courses are evaluated by a comparable credit-granting department at Colorado School of Mines.

**Enrollment Requirement - English Language**

All new students whose primary language is not English must demonstrate English Language proficiency before enrolling for the first time at the university. This requirement applies to international and non-international, permanent residents, immigrants, transfer and non-transfer students alike.

**Enrollment Requirement - International Coursework**

All new students who have taken courses during high school outside of the U.S. must submit their official high school transcripts in the original language, as well as a certified English translation and credential evaluation and designate Mines as a copy recipient of your evaluation. The preferred translation agencies are Educational Credential Evaluators (ECE) or World Education Services (WES). Other National Association of Credential Evaluation Services (NACES) will be considered on a case-by-case basis.

**Enrollment Requirement - All Admitted Students**

All admissions are ultimately contingent upon successful completion and submission of final transcripts reflecting academic achievement similar to assessment at the time of admission. Students are expected to continue to prepare at a similar level of academic rigor, and with similar or better results as the enrollment date approaches. If final transcripts/documents are received that reflect information different from the admission assessment, Colorado School of Mines reserves the right to review the admission offer again, and to take appropriate action. This may include a change in conditions or terms of admission, or a rescission of the admission offer.
Fraudulent Applications
Individuals who withhold or provide fraudulent information on applications for undergraduate admissions or readmissions are subject to immediate dismissal from the university. The decision for immediate dismissal will be made by the Associate Provost of Enrollment Management and/or the Executive Director of Admissions. This decision will be made after a complete and thorough review of the situation and an individual conference with the student involved. The individual dismissed has the right to appeal the decision to the committee on academic policy and procedure, whose decision will be final.

Nondegree Students
A nondegree student is one who has not applied to pursue a degree program at Mines but wishes to take courses regularly offered on campus. Such students may take any course for which they have the prerequisites as listed in the Mines catalog or have the permission of the instructor. Transcripts or evidence of the prerequisites are required. An applicant for admission to the undergraduate school who does not meet admission requirements may not fulfill deficiencies through this means. Exception to this rule can be made only by the Associate Provost for Enrollment Management. A maximum of 12 hours of nondegree credit from Colorado School of Mines may be used toward an undergraduate degree program. A nondegree student who has completed a Bachelor degree or higher, regardless of course level in which one wishes to enroll, must utilize the graduate nondegree process. Courses completed as a non-degree student at the undergraduate level will be included in the overall undergraduate grade point average.