Undergraduate fall-to-fall retention data by academic program/percentage of undergraduate students taught by full-time faculty

How to read this chart and why it is important

- Because students double (and triple) major, change majors, and add majors, each year of data (fall-to-fall) stands alone as a snapshot of retention in the academic program for that single year. This is not longitudinal data. The data is only for the 12 months indicated.

- Only students “counted” are those in the “Freshmen Federal Cohort,” i.e., first-time, full-time, degree-seeking students. Transfer students and students who have taken as few as one college-level class elsewhere are not counted.

- The departments housing various undergraduate programs are listed at the bottom of this chart.

(NOTE on understanding this chart: The “Mines retention rate” (red bar) indicates the retention rate if one counts students from the department as being ‘retained’ as long as they switch to another major at Mines. So, for example, the two colored bars for Math / CSC and for Mining Engineering are the same because those departments had no students transfer out from the fall 2015 freshmen cohort; they all stayed in the same department. Also note that these are percentages of freshman-cohort students retained.)

CABS - Chemistry and Applied Biological Sciences
CEE - Civil and Environmental Engineering
GEO/GEOE - Geology/Geological Engineering
IE - Industrial Engineering
MECH - Mechanical Engineering
MIL - Military Science

CBE - Chemical and Biological Engineering
ECE - Electrical and Computer Engineering
HUM/SOC - Humanities/ Social Sciences
MATH/CSC - Math/Computer Science
MET - Metallurgical Engineering
MINE - Mining Engineering
Undergraduate fall-to-fall retention data by academic program/percentage of undergraduate students taught by full-time faculty

How to read this chart and why it is important

- Because students double (and triple) major, change majors, and add majors, each year of data (fall-to-fall) stands alone as a snapshot of retention in the academic program for that single year. This is not longitudinal data. The data is only for the 12 months indicated.

- Only students “counted” are those in the “Freshmen Federal Cohort,” i.e., first-time, full-time, degree-seeking students. Transfer students and students who have taken as few as one college-level class elsewhere are not counted.

- The departments housing various undergraduate programs are listed at the bottom of this chart.

(Note on understanding this chart: The “Mines retention rate” (red bar) indicates the retention rate if one counts students from the department as being ‘retained’ as long as they switch to another major at Mines. So, for example, the two colored bars for Math / CSC and for Mining Engineering are the same because those departments had no students transfer out from the fall 2015 freshmen cohort; they all stayed in the same department. Also note that these are percentages of freshman-cohort students retained.)

CABS - Chemistry and Applied Biological Sciences
CBE - Chemical and Biological Engineering
CEE - Civil and Environmental Engineering
ECE - Electrical and Computer Engineering
GEO/GEOE - Geology/Geological Engineering
HUM/SOC - Humanities/ Social Sciences
IE - Industrial Engineering
MATH/CSC - Math/Computer Science
MECH - Mechanical Engineering
MET - Metallurgical Engineering
MIL - Military Science
MILS - Military Science
MINE - Mining Engineering
MME - Materials Science
NANO - Nanoscience and Nanoengineering
NUR - Nursing
PE - Physical Education
PHYS - Physics
SOCI - Social Science
UNIT - Units
OTHER - Other
How to read this chart and why it is important

- Universities nationwide typically hire 50% to 75% (or more) of their instructional staff as “adjuncts” or part-time faculty. This means the instructor in the classroom may or may not have a Ph.D., is compensated at a dramatically lesser rate, is a semester-to-semester contract employee, and usually has to teach many classes at multiple institutions to make a living. Additionally, at most research universities (i.e., institutions that grant Ph.D. degrees), most or all of the freshmen- and sophomore-level classes are taught by graduate students. SD Mines is highly distinctive in that reliance on adjunct instructors is extremely low, and we do not employ graduate students as classroom instructors.

- The departments housing various undergraduate programs are listed at the bottom of this chart, and data is offered for three semesters.

### Percentage of Undergraduate Students Taught by Full-Time Faculty

<table>
<thead>
<tr>
<th>Department</th>
<th>Fall 2014</th>
<th>Spring 2015</th>
<th>Fall 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>CABS</td>
<td>80%</td>
<td>80%</td>
<td>80%</td>
</tr>
<tr>
<td>CBE</td>
<td>70%</td>
<td>70%</td>
<td>70%</td>
</tr>
<tr>
<td>CEE</td>
<td>60%</td>
<td>60%</td>
<td>60%</td>
</tr>
<tr>
<td>ECE</td>
<td>50%</td>
<td>50%</td>
<td>50%</td>
</tr>
<tr>
<td>GEO/GEOE</td>
<td>40%</td>
<td>40%</td>
<td>40%</td>
</tr>
<tr>
<td>HUM/SOC</td>
<td>30%</td>
<td>30%</td>
<td>30%</td>
</tr>
<tr>
<td>IE</td>
<td>20%</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>MATH/CSC</td>
<td>10%</td>
<td>10%</td>
<td>10%</td>
</tr>
<tr>
<td>MECH</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>MET</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>MIL</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>MINE</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>NANO</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Other</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>PE</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>PHYS</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

CABS - Chemistry and Applied Biological Sciences
CBE - Chemical and Biological Engineering
CEE - Civil and Environmental Engineering
ECE - Electrical and Computer Engineering
GEO/GEOE - Geology/Geological Engineering
HUM/SOC - Humanities/ Social Sciences
IE - Industrial Engineering
MATH/CSC - Math/Computer Science
MECH - Mechanical Engineering
MET - Metallurgical Engineering
MINE - Mining Engineering
MIL - Military Science
NANO - Nanoscience and Nanoengineering
Other - Other
PHYS - Physics
PE - Physical Education