

SPECIALIZATION & EMPHASES

Below is an overview of the specialization and emphases available within the CBE department. The suggested course work for each would replace various electives of the main Chemical Engineering major. Please go to the [CBE website](#) for more detailed information on each emphasis and the [Minors and Certificates](#) page on additional opportunities at SD Mines.

Biochemical Engineering Specialization	<ul style="list-style-type: none">• Biology, Chemistry, and Chemical & Biological Engineering Courses
Biomedical Engineering	<ul style="list-style-type: none">• Biology, Chemistry, Chemical & Biological Engineering, Metallurgical Engineering, Biomedical Engineering Courses
Business	<ul style="list-style-type: none">• Industrial Engineering Courses
Energy	<ul style="list-style-type: none">• Chemical & Biological Engineering Courses
Environmental Engineering	<ul style="list-style-type: none">• Biology, Chemical & Biological Engineering, and Environmental Engineering Courses
Materials	<ul style="list-style-type: none">• Chemical & Biological Engineering, and Metallurgical Engineering Courses
Petroleum Engineering	<ul style="list-style-type: none">• Geology and Geological Engineering Courses
Polymer Technology	<ul style="list-style-type: none">• Chemistry and Chemical & Biological Engineering Courses