

Chemical Engineering Transfer Guide

South Dakota School of Mines and Technology is a distinguished public university nestled in Rapid City, SD, dedicated to equipping students for success in science and engineering. For nearly two decades, South Dakota Mines has proudly held the title of "America's Best College Buys," emphasizing our exceptional return on investment. Nearly all of our students find employments in their chosen career field or are accepted to graduate programs upon completion of their degrees.

This guide is designed to support students considering a transfer to South Dakota Mines. There may be additional courses at your community college that align seamlessly with our programs. We strongly recommend staying in touch with us throughout your transfer process to ensure a smooth transition and verify the transferability of your courses. Your journey to success starts here!

General transfer guidelines:

- Save the syllabi for your courses- they may be required to evaluate your transfer credit.
- You do not need to complete all the courses listed here before transferring.

Gillette College Course	South Dakota Mines Equivalent Course
Mathematics: MATH 2200 Calculus I	MATH 123 Calculus I (Goal 5)
Science: CHEM 1020 General Chemistry I	CHEM 112/112L General Chemistry I w/lab (Goal 6)
ES 1000 Orientation of Engineering	CBE 111/111L Intro to Chemical Process Modeling w/lab
Communication: ENGL 1010 English Composition I	ENGL 101 Composition I (Goal 1)
Advanced Writing: COMM 2010 Intro to Public Speaking	ENGL 279 Communication in the STEM Workplace (Goal 2)
US & WY Constitution, select 1 course from: HIST 1211, 1221, 1251, or POLS 1000	Social Science General Education Elective (Goal 3)
Gen Ed Course of Choice: MATH 2205 Calculus II	MATH 125 Calculus II
PHYS 1310 College Physics I	PHYS 207/207L Fundamentals of Physics I w/lab (Goal 6)
MATH 2210 Calculus III	MATH 225 Calculus III
Cultural Studies, select 1 course from: Global Diversity or Foreign Language categories	Arts & Humanities General Education Elective (Goal 4)
Cultural Studies, select 1 course from: Social and Behavioral Sciences category	Social Science General Education Elective (Goal 3)
ES/PHYS Elective: PHYS 1320 College Physics II	PHYS 209/209L Fundamentals of Physics II w/lab
Program Elective: CHEM 1030 General Chemistry II	CHEM114/114L General Chemistry II w/lab
MATH 2310 Applied Differential Equations	MATH 321 Differential Equations
Program Elective: ES 2330 Fluid Dynamics	CBE 218 Chemical Engineering Fluid Mechanics
Program Elective: CHEM 2420 Organic Chemistry I	CHEM 326 Organic Chemistry I

Contact us:

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