

CHEMICAL ENGINEERING (AS)

Department: Computer Science and Engineering (<https://snow-curr.courseleaf.com/divisions-departments/division-natural-science-mathematics/computer-science-engineering/>)

Program Contact: Keith Steurer

Phone: (435) 283-7515

Email: keith.steurer@snow.edu

Department Webpage: https://www.snow.edu/academics/science_math_engineering/index.html (https://www.snow.edu/academics/science_math/engineering/)

Advising Information (<https://snow.edu/offices/advisement/>)

Program Description

The associate degree in Chemical Engineering provides foundational knowledge in chemistry, physics, and engineering principles. Students learn about chemical processes, laboratory techniques, and industrial applications, preparing for entry-level roles or transfer to a bachelor's program.

Note: The Associate of Pre-Engineering (<https://snow-curr.courseleaf.com/programs/preengineering-ape/>) is recommended as the best degree for transfer to a four-year program. It has an advising track for Chemical Engineering. Students completing the AS on this page will need to take additional credits at their transfer institution to be ready for junior-level engineering classwork.

Program Outcomes

Students who complete an associate degree in Chemical Engineering should expect the following outcomes from the program:

- Students can solve problems by applying principles of engineering and mathematics.
- Students can acquire and apply new knowledge as needed, using appropriate learning strategies.
- Students have a feasible plan for completing a four-year degree in engineering or computer science.

Requirements

Make the Most of Your Time at Snow

The requirements below will earn you an associate degree, but Snow offers other prerequisites that you will need for your bachelor's degree. Students are encouraged to more fully prepare for transfer by completing the suggested plan of study (p. 1).

AS Requirements

To earn an AS in Chemical Engineering at Snow College, students must complete 60 credits, including the general education requirements (<https://snow-curr.courseleaf.com/general-education/>) and the following major requirements.

Code	Title	Hours
CHEM 1210	Principles of Chemistry I PS	4
CHEM 1215	Principles of Chemistry Lab I	1

Chemistry/Lab or Calculus

CHEM 1220	Principles of Chemistry II PS
CHEM 1225	Principles of Chemistry Lab II
MATH 1210	Calculus I

Another Available Degree

While the AS is recommended, students can earn an AA in Chemical Engineering by completing the foreign language requirement (<https://snow-curr.courseleaf.com/program-details/aa-requirements/>) as part of their 60 credits.

Suggested Plan of Study

Course	Title	Hours
Freshman		
Fall		
ENGR 1000	Introduction to Engineering	2
CHEM 1210	Principles of Chemistry I PS	4
English 1 GE Class (https://snow-curr.courseleaf.com/general-education/english1/)		3
MATH 1210	Calculus I	5
Elective		1
Hours		15
Spring		
CHEM 1220 & CHEM 1225	Principles of Chemistry II PS and Principles of Chemistry Lab II	5
English 2 GE Class (https://snow-curr.courseleaf.com/general-education/english2/)		3
ENGR 1703 & ENGR 1704	Introduction to Chemical Engineering and Introduction to Chemical Engineering Lab	3
Social Science GE Class (https://snow-curr.courseleaf.com/general-education/social-science/)		3
Elective		1
Hours		15
Sophomore		
Fall		
Fine Arts GE Class (https://snow-curr.courseleaf.com/general-education/fine-arts/)		3
Humanities GE Class (https://snow-curr.courseleaf.com/general-education/humanities/)		3
Engineering AS Degree Elective (https://snow-curr.courseleaf.com/program-details/engineering-classes/)		3
Engineering AS Degree Elective (https://snow-curr.courseleaf.com/program-details/engineering-classes/)		3
Engineering AS Degree Elective (https://snow-curr.courseleaf.com/program-details/engineering-classes/)		3
Hours		15
Spring		
Engineering AS Degree Elective (https://snow-curr.courseleaf.com/program-details/engineering-classes/)		3
Life Science GE Class (https://snow-curr.courseleaf.com/general-education/life-science/)		3
American Institutions GE Class (https://snow-curr.courseleaf.com/general-education/american-institutions/)		3
Engineering AS Degree Elective (https://snow-curr.courseleaf.com/program-details/engineering-classes/)		3
Engineering AS Degree Elective (https://snow-curr.courseleaf.com/program-details/engineering-classes/)		3
Hours		15
Total Hours		60