

# Chemical Engineering (Minor)

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CHE 446	Design and Analysis of Chemical Reactors	3
<b>Total Hours</b>		<b>19</b>

To see more about what you will learn in this program, visit the Learning Outcomes website (<https://apps.oirp.ncsu.edu/pgas/>)!

The minor in Chemical Engineering is intended to allow students to develop an understanding of the fundamental concepts and practice of chemical engineering. This minor should prepare undergraduate students in environmental engineering, pulp and paper technology, and chemistry for graduate study in chemical engineering with a minimum amount of prerequisite work following their acceptance into the graduate program.

## Admissions and Certification of Minor

Admission to the minor will require 12 completed hours of NC State course work, a minimum 2.5 cumulative GPA, and a grade of 'B-' or higher on the first enrollment in CHE 205. Application for admission to any University minor program is now available via MyPack Portal. Admission will be based upon the student's academic record, and in most cases no longer requires departmental review. Go to Add a Minor (<https://studentservices.ncsu.edu/your-degree/coda-home/add-a-minor/>) to apply. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork should be completed no later than during the registration period for the student's final semester at NC State.

## Contact Person

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**SIS Code: 14CMM**

## Plan Requirements

The Chemical Engineering Minor requires a minimum of 19 hours. All courses must be completed with a grade of 'C-' or higher:

Code	Title	Hours	Counts towards
<b>Required Courses</b>			
CHE 205	Chemical Process Principles	4	
CHE 225	Introduction to Chemical Engineering Analysis	3	
CHE 311	Transport Processes I	3	
CHE 315	Chemical Process Thermodynamics	3	
CHE 316	Thermodynamics of Chemical and Phase Equilibria	3	