

# Minor in Chemical Engineering

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## Minor Codes:

0300

For the minor, 16–18 semester hours are required, excluding prerequisite courses. Students outside the Department of Chemical Engineering who wish to minor in Chemical Engineering must complete the following:

### Prerequisite Courses

CHEM 122	General Chemistry I Lecture	5
& CHEM 123	and General Chemistry Laboratory I	
or CHEM 116	Honors and Majors General and Analytical Chemistry I	
CHEM 342	Physical Chemistry I	3
or CHE 301	Chemical Engineering Thermodynamics	
CS 109	C/C ++ Programming for Engineers with MatLab	3
or CHE 205	Computational Methods in Chemical Engineering	
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH 220	Introduction to Differential Equations	3
PHYS 141	General Physics I (Mechanics)	4
PHYS 142	General Physics II (Electricity and Magnetism)	4
<b>Total Hours</b>		<b>33</b>

### Required Courses

CHE 210	Material and Energy Balances	4
CHE 301	Chemical Engineering Thermodynamics	3
CHE 321	Chemical Reaction Engineering	3
CHE 311	Transport Phenomena I	3-4
or ME 211	Fluid Mechanics I	
Select one of the following:		3-4
CHE 312	Transport Phenomena II	
ME 321	Heat Transfer	
CHE 313	Transport Phenomena III	
<b>Total Hours</b>		<b>16-18</b>