

# CHEMICAL ENGINEERING, MS

## Requirements for Students Matriculating in or before Academic Year

2024-2025. Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

**Total Hours:** 30

Code	Title	Hours
<b>Core Courses</b>		
CHE 5123	Advanced Chemical Reaction Engineering	3
CHE 5213	Advanced Transport Phenomena	3
CHE 5743	Chemical Engineering Process Modeling	3
CHE 5843	Principles of Chemical Engineering Thermodynamics	3
CHE 5303	Introduction to Science and Engineering Research	3
<b>Seminar</b>		
Three hours from:		3
CHE 6010	Chemical Engineering Seminar	
<b>Hours Subtotal</b>		<b>18</b>
<b>Electives</b>		
Graduate-approved elective (CHE or other) courses, selected by the student with the approval of the student's advisory committee.		6
<b>Suggested Elective Courses</b>		
CHE 5073	Tissue Engineering	
CHE 5133	Catalysis and Photocatalysis	
CHE 5283	Advanced Bioprocess Engineering	
CHE 5293	Advanced Biomedical Engineering	
CHE 5323	Electrochemical Engineering	
CHE 5373	Process Simulation	
CHE 5493	Molecular Modeling and Simulation	
CHE 5523	Colloid Processing	
CHE 5603	Membrane Separations	
CHE 5753	Applied Numerical Computing for Scientists and Engineers	
CHE 5773	Computational Fluid-Particle Dynamics	
<b>Hours Subtotal</b>		<b>6</b>
<b>Thesis</b>		
CHE 5000	Master's Thesis	6
<b>Hours Subtotal</b>		<b>6</b>
<b>Total Hours</b>		<b>30</b>

## Graduate College Master's Program Requirements

Learn more about Graduate College 2024-2025 Master's Degree Program Requirements (<http://catalog.okstate.edu/graduate-college/>). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.