

CHEMICAL ENGINEERING, MS

Requirements for Students Matriculating in or before Academic Year

2020-2021. Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

Total Hours: 30 Hours

Code	Title	Hours
Core Courses		
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 5302	Introduction to Science and Engineering Research	2
Hours Subtotal		14
Seminar		
CHE 6010 (Offered for variable credit, 1 credit hour, maximum of 10 credit hours.)		3
Hours Subtotal		3
Electives		
Graduate-approved elective (CHE or other) courses, selected by the student with the approval of the student's advisory committee.		7
Suggested Elective Courses		
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	
Hours Subtotal		7
Thesis		
CHE 5000	Master's Thesis	6
Hours Subtotal		6
Total Hours		30

Graduate College Master's Program Requirements

Learn more about Graduate College 2020-2021 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.