



CHICAGO STATE
UNIVERSITY

Chicago State University

College of Arts and Science

Bachelor of Science

Catalog year 2022-2023

CHMI

Industrial Chemistry

**refer to the catalog at csu.edu for updates to program requirements*

Credit Hours	120 credit hours. Students starting a 120 credit hour program in Fall 2018 must complete a minimum of 15 credit hours per semester or 30 credit hours per academic year to earn a Bachelor's Degree on time in 4 years.	
Graph Point Average (GPA)	2.0 GPA (only 1 D in chemistry courses allowed)	
Residency Rule	Complete last 30 hours at Chicago State University. No more than 66 credit hours may be transferred in from a 2 year school	
Examinations	Transfer students who transfer in general education courses that meet their general education requirements in English Composition or Mathematics with a C or better do not have to take the corresponding placement examination.	
General Education Core	Chicago State University requires a minimum of 39 credit hours in the following General Education competencies:	
	English Composition (6 credits); Oral Communication (3 credits); Mathematics (3 credits); Foreign Language (3 credits)	Social Science (9 credits); Humanities (3 credits); Fine Arts (3 credits); Humanity or Fine Arts (3) Biological Sciences (3 credits); Natural Sciences (3 credits)
	Only approved courses will satisfy Gen Ed Requirements. Transfer students with an AA or AS degree have met all General Education Requirements.	
College Requirements	All students must complete 1 semester (3 credits) of a foreign language and 1 of the gen ed courses listed above must be on the college's list of approved diversity courses.	

	Subject Code/ Course Number	Term Offered (if specific)	Credit Hours	Gen Ed	Also Allowed	Pre/Co-requisite Courses
SEMESTER 1						
College Algebra	Math 1200		3	Yes	Math 1250	Math placement test
Composition I	Eng 1270		3	Yes	Eng 1230	
General Chemistry I	Chem 1400		3	Yes		Math 1200 and Chem 1410
General Chemistry I Lab	Chem 1410		1	Yes		Chem 1400
Chemical Calculations	Chem 1000		1			Placement in Math 1195
Foreign Language	Span/Fren/Chin/AFL 1010		3	Yes		Other languages allowed
SEMESTER 2						
Trigonometry	Math 1210		3		Math 1250	Math 1200
Composition II	Eng 1280		3	Yes	Eng 1240	Eng 1270
General Chemistry II	Chem 1450		3			Math 1210 and Chem 1460
General Chemistry II Lab	Chem 1460		1			Chem 1450
Social Science	Psyc/Soc/AFAM/Hist /PolSci/Anth		3	Yes		
Oral Communication	CMAT 2030		3	Yes	Eng 2011	

SEMESTER 3						
Calculus I	Math 1410		4		Math 1415	Math 1210 or Math 1250
Physics I	Phys 2110 or Phys 1510		4	Yes		Math 1410
Analytic Chemistry I Lecture	Chem 2800	F	3			Chem 1450/1460
Analytic Chemistry I Lab	Chem 2810	F	1			Chem 1460
Safety	Chem 2600	F	1			
Humanity Elective			3	yes		

SEMESTER 4						
Physics II	Phys 1520		4		Phys 2220	Math 1210
Organic Chemistry I	Chem 2400		3			Chem 1450/1460
Organic Chemistry I Lab	Chem 2410		1			Chem 2400
Social Science Elective			3	Yes		
Biology Gen Ed	Biol 1070		3	yes	Biol 1080 or Biol 1701	

SEMESTER 5						
Organic Chemistry II	Chem 2450		3			Chem 2400/2460
Organic Chemistry II Lab	Chem 2460		1			Chem 2450
Elementary Inorganic	Chem 3240	F	3			
Technical Writing	Eng 2090	F	3			
Thesis Research I	Chem 2630		1			Permission of research mentor
Social Science Elective			3	yes		

SEMESTER 6						
Industrial Chem	Chem 2700		3			
Internship	Chem 2640		3			
Supporting Elective	Chem/Phys/Math/ Biol/CS		3			
Macrophysical Chemistry	Chem 4250	S	3		Chem 4200	
Advanced Lab	Chem 4270	S	1			Chem 2800/2810
Thesis Research II	Chem 4350		2			

SEMESTER 7						
Statistics	Math 1600		3			Math 1200
Chemical Communication	Chem 3600	F	2			Eng 1280
Humanity or Fine Arts			3	Yes		
Supporting Elective	Chem/Phys/Math/ Biol/CS		3			
Free Elective			4			

SEMESTER 8						
Analytic Chemistry II	Chem 4600/4610	S	4			Chem 2800/2810
Fine Arts Elective			3	Yes		
Senior Thesis	Chem 4355		3			Permission of research mentor and 180 hours of research
Supporting Elective	Chem/Phys/Math/ Biol/CS		3			
Free Elective			3			

Notes: Students doing summer research or research for pay are not required to take Chem 2630 for a total of 3 credits. If you do a summer REU or do research for pay, these 3 credits become a free elective. However, 180 hours of research must be completed **before** you can take Chem 4355.