

Chemistry, B.A. with Teaching Certification

An additional 9 hours of approved advanced chemistry courses plus three hours of an appropriate computer course would qualify a graduate for certification to the American Chemical Society as a chemist meeting the professional standards of that organization.

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
CHEM 1311 & CHEM 1111	Gen Inorganic Chemistry I and Gen Inorganic Chem Lab I	4
ENGL 1301	Rhetoric and Composition	3
MATH 1348	Analytic Geometry	3
UNIV 1201	Learning in Global Context	2
Foreign language ¹		3
Semester Credit Hours		15
Semester 2		
CHEM 1312 & CHEM 1112	Gen Inorganic Chemistry II and Gen Inorganic Chem Lab II	4
ENGL 1302	Rhetoric and Composition	3
MATH 2413	Calculus I	4
POLS 2301	Government and Politics of US	3
Foreign language		3
Semester Credit Hours		17
Sophomore Year		
Semester 1		
CHEM 2401	Inorg Quantitative Analysis	4
CHEM 3323 & CHEM 3123	Organic Chemistry I and Organic Chemistry Lab I	4
MATH 2414	Calculus II	4
PHYS 1301 & PHYS 1101	College Physics I and Coll Physics I Laboratory	4
Semester Credit Hours		16
Semester 2		
CHEM 3325 & CHEM 3125	Organic Chemistry II and Organic Chemistry Lab II	4
HIST 1301	American History to 1877	3
PHYS 1302 & PHYS 1102	College Physics II and College Physics II Lab	4
POLS 2302	Government and Politics of TX	3
Communications		3
Semester Credit Hours		17
Junior Year		
Semester 1		
CHEM 3331	Physical Chemistry I	3
CHEM 4131	Physical Chem Measurements I	1
HIST 1302	American History since 1877	3
Creative arts		3
Social/Behavioral		3
Foreign language		3
Semester Credit Hours		16
Semester 2		
CHEM 3332	Physical Chemistry II	3

CHEM 4132	Physical Chem Measurements II	1
EDED 3302	Develop Behavr of Chl and Adol	3
EDED 3310	Intro to Instructional Design	3
EDED 3333	Clstrm Mgt and Org in Mid Sch	3
Foreign language		3
Semester Credit Hours		16
Senior Year		
Semester 1		
EDED 3332	Curr Mats Developmt and Plan	3
EDED 3362	Instr Mthds and Strat Sec Sch	3
EDSE 4349	Foundations Special Educ (WI)	3
CHEM, adv. ²		5
Semester Credit Hours		14
Semester 2		
EDED 4613	Student Teaching	6
EDRG 4314	Develp Correct Rdg for Sec Sch	3
Semester Credit Hours		9
Total Credit Hours Required:		120

¹ Course selected must satisfy Language, Philosophy and Culture core curriculum component.

² Advanced Chemistry: approval of chair required.