

CHEMISTRY/BIOCHEMISTRY

Bachelor of Arts (BA)

Major: Chemistry/Biochemistry

Options: General

This program features less concentration in chemistry than the bachelors of Science and **is not** intended to prepare students for employment as a professional chemist.

DEGREE REQUIREMENTS

Option: General – 75-77 credits

Required courses: (46-48 credits)

CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
CHEM 304 Quantitative Analysis (6)
CHEM 351 Organic Chemistry (4)
CHEM 352 Organic Chemistry (4)
CHEM 372 Organic Chemistry Lab I (3)
CHEM 421 Physical Chemistry (4)
CHEM 422 Physical Chemistry (3)
CHEM 431 Physical Chemistry Lab (1)
CHEM 432 Physical Chemistry Lab (2)
CHEM 491 Senior Thesis (4-6)

Required Supporting courses: (25 credits)

MATH 161 Calculus I (5)
MATH 162 Calculus II (5)
PHYS 131 Introductory Physics I (4)
PHYS 132 Introductory Physics II (4)
PHYS 133 Introductory Physics III (4)

Or

PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat & Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)

Electives: (4 credits)

Select from the 300-level or above Chemistry and Biochemistry courses
(exclusive of CHEM 390)

Suggest Supporting Course: (5 credits)

Completion of a Computer Programming course is strongly recommended.
(See your Chemistry/Biochemistry advisor.)

NOTE: A minor is advised but not required for the above degree option

Revised 10/26/09

B.A. in CHEMISTRY/BIOCHEMISTRY

General Option: 75-77 credits

** A minor is recommended but not required for this degree option.**

NOTICE: This program requires a strong preparation in high school mathematics, chemistry and physics. GEGR = General Education Core Requirement. This sample schedule is based on the 2009-2010 EWU Undergraduate Catalog. Courses are planned to be offered in the quarters shown, but scheduling is not guaranteed.

FIRST YEAR	F	W	S
CHEM 151,152,153 - satisfies 1 GEGR in natural sciences	5	5	5
MATH 161,162 - satisfies mathematics proficiency requirement	5	5	
ENGL 201 - satisfies university writing requirement	5		
GEGR (two)		5	5
CPLA 101	1		
Elective in minor credits			5
Total Credits	16	15	15 46
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SECOND YEAR			
PHYS (131,132,133) or (PHYS 151,152,153)	4	4	4
PHYS 161,162,163 -(131,132 or 151,152)&161,162 satisfies 2 GEGR	1	1	1
CHEM 351, 352	4	4	
CHEM 372			3
CSCD 230 or 255(suggested, not required)			5
CHEM 304		6	
Elective and/or minor credits	3		
GEGR (one)	5		
Total Credits	17	15	13 45
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THIRD YEAR			
CHEM 421, 422	4	3	
CHEM 431,432	1	2	
GEGR (two)	5	5	
Elective		5	12
Cultural Diversity			4
Electives	3		
Total Credits	13	15	16 44
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FOURTH YEAR			
CHEM Elective from 300-500 level (except CHEM 390)	4		
Elective and/or minor credits	11	11	11
International Studies		4	
CHEM 491 Senior. Thesis			4-6
Total Credits	15	15	15 45-7

NOTE: A minor is advised but not required for the above degree option