

ACCELERATED BACHELOR OF ARTS IN BIOCHEMISTRY/ MASTER OF ARTS IN TEACHING (WITH TEACHING CERTIFICATE)

To earn an Accelerated BA in Biochemistry and MAT with Teaching Certificate, a student must complete all basic requirements for BS degree with a major in Biochemistry, as well as additional coursework at the graduate level. (See Graduate Catalog (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/>) for details of graduate requirements, including eligibility and admission).

BA in Biochemistry Requirements for a Major in Biochemistry

Code **Title** **Hours**

Thirty-four semester hours including the following:

Required Courses

CHE 1301 & CHE 1101	Basic Principles of Modern Chemistry I and General Chemistry Laboratory I	4
CHE 1302 & CHE 1102	Basic Principles of Modern Chemistry II and General Chemistry Laboratory II	4
CHE 2416	Laboratory Measurements and Techniques	4
CHE 3238	Organic Chemistry Laboratory	2
CHE 3331	Organic Chemistry I	3
CHE 3332	Organic Chemistry II	3
CHE 4001	Exit Examination	0
CHE 4225	Biophysical Chemistry Laboratory	2
CHE 4141	Modern Biochemistry Laboratory	1
CHE 4151	Undergraduate Seminar I	1
CHE 4327	Physical Chemistry for the Life Sciences	3
CHE 4341	General Biochemistry	3
CHE 4342	Topics in Human Biochemistry	3

One semester hour of 4000-level CHE ¹

Subtotal **34**

Required Courses in Other Fields

BIO 1305 & BIO 1105	Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory	4
or BIO 1405	Investigations of Modern Biology Concepts I	
BIO 1306 & BIO 1106	Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory	4
or BIO 1406	Investigations of Modern Biology Concepts II	
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3

Select one of the following sequences: 8

PHY 1408 & PHY 1409	General Physics for Natural and Behavioral Sciences I and General Physics for Natural and Behavioral Sciences II
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PHY 1420 & PHY 1430	General Physics I and General Physics II
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Total Hours **56**

¹ Excluding CHE 4321 Physical Chemistry I and CHE 4151 Undergraduate Seminar I

MAT with Teaching Certificate

- Elementary (EC-6) Education Certification - M.A.T. Degree Plan (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/elementary-ec-6-education-certification-mat-degree-plan/>)
- Middle Grades Education Certification - M.A.T. Degree Plan (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/middle-grades-education-certification-mat-degree-plan/>)
- Secondary Education Certification - M.A.T. Degree Plan (<https://catalog.baylor.edu/graduate-school/curriculum-departments-institutes-instruction/school-education/mat-teaching-certification/secondary-education-certification-mat-degree-plan/>)