

ACCELERATED BACHELOR OF ARTS IN CHEMISTRY/MASTER OF ARTS IN TEACHING (WITH TEACHING CERTIFICATION)

To earn an Accelerated BA in Chemistry and MAT with Teaching Certificate, a student must complete all basic requirements for the BA degree with a major in Chemistry, 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 Chemistry Requirements for a Major in Chemistry

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 3331	Organic Chemistry I	3
CHE 3332	Organic Chemistry II	3
CHE 3238	Organic Chemistry Laboratory	2
CHE 4321	Physical Chemistry I	3
CHE 4227	Physical Chemistry Laboratory I	2
CHE 4151	Undergraduate Seminar I	1
CHE 4001	Exit Examination	0
Select two semester hours from the following:		2
CHE 4228	Physical Chemistry Laboratory II	
CHE 4207	Preparative Inorganic Chemistry	
CHE 4217	Instrumental Analysis Laboratory	
CHE 4237	Advanced Organic Laboratory	
CHE 4141	Modern Biochemistry Laboratory	
Select six semester hours from the following:		6
CHE 4207	Preparative Inorganic Chemistry	
CHE 4302	Modern Inorganic Chemistry I	
CHE 4316	Instrumental Analysis	
CHE 4217	Instrumental Analysis Laboratory	
CHE 4322	Physical Chemistry II	
CHE 4228	Physical Chemistry Laboratory II	
CHE 4237	Advanced Organic Laboratory	
CHE 4341	General Biochemistry	
CHE 4141	Modern Biochemistry Laboratory	
Subtotal		34
Required Courses in Other Fields		
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3
MTH 2321	Calculus III	3

PHY 1420	General Physics I	4
PHY 1430	General Physics II	4
Total Hours		51

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/>)