

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

To earn an Accelerated BA/MAT in Mathematics, a student must complete all basic requirements for the BA degree with a major in Mathematics, 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 Mathematics Requirements for a Major in Mathematics

Code	Title	Hours
Thirty-three semester hours, six of which must be at the 4000-level, including the following:		
<b>Required Courses</b>		
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3
MTH 2311	Linear Algebra	3
MTH 2321	Calculus III	3
MTH 3300	Foundations of Mathematics	3
MTH 3323	Introduction to Analysis	3
or MTH 4326	Advanced Calculus I	
MTH 3312	Foundations of Combinatorics and Algebra	3
or MTH 4314	Abstract Algebra	
MTH 3325	Ordinary Differential Equations	3
or MTH 4312	Cryptology	
or MTH 4322	Numerical Analysis	
Nine semester hours of 3000-4000 level MTH or STA courses <sup>1</sup>		9
A grade of "C" or better in thirty-three hours of MTH and STA courses used for the major.		
<b>Subtotal</b>		<b>33</b>
<b>Required Courses in Other Fields</b>		
CSI 1401	Introduction to Programming I	4
or CSI 1430	Introduction to Computer Science I with Laboratory	
or STA 2450	Introduction to Computing for the Mathematical and Statistical Sciences	
<b>Total Hours</b>		<b>37</b>

<sup>1</sup> Excluding: MTH 3318 Data and Chance, MTH 3340 Mathematics through Technology, and MTH 4343 Topics in Mathematics for Prospective Teachers

## 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/>)

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- 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/>)