

**SECOND AREA OF CERTIFICATION**  
**Middle School MATH with Elementary Education**

<b>Name:</b>	<b>Student #:</b>
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**Note:** SBU reserves the right to amend the curriculum and require teaching certificate candidates to graduate under a program which reflects the state certification requirements in force at the time of graduation.

**GPA Requirements:**

- ◆ 2.5 overall and in the certificate subject area
- ◆ 2.5 in professional education courses with no grade lower than a "C"

**In addition to the certification requirements in Elementary Education, the following requirements must be met to complete a second area of certification in Middle School Math.**

**Middle School (Second Area of Certification)**

Course #	Course Title	Hours	Grade	Semester/ Year
EDU 2463	Foundations of Middle School (F)	3		

**To enroll in 3000-4000 EDU courses:**

- ◆ 2.5 GPA overall and in the certificate subject area(s)
- ◆ Passing C-Base scores in all sections
- ◆ EDU pre-requisites met (EDU 2113, EDU 2131, EDU 2313)
- ◆ Teacher education file completed

EDU 4473	Psychology of the Middle School Student (F)	3		
EDU 4493	Middle School Curriculum (S)	3		

**Middle School Mathematics Certification Requirements**  
**(minimum 23 hours)**

**Math Content (17 hours)**

MAT 2283	Survey of Math for Ele/Mid School Teachers I (F)	3		
MAT 2293	Survey of Math for Ele/Mid School Teachers II (S)	3		
MAT 1163	PreCalculus (F)* [T/TH]	3		
MAT 1195	Analytics and Calculus I (F/S)* [MTWTHF]	5		
MAT 3353	Integrated Math (S, even/Jan, odd)[T/TH]	3		
MAT 3373	Math Technologies (F, even/Jan, even) [T/TH]	3		

**Electives (6 hours)** Please indicate choices from list below.

MAT _____		3		
MAT _____		3		

MAT 3313 Abstract Algebra (S, even) [MWF]  
 MAT 3323 Linear Algebra (S, odd) [MWF]  
 MAT 3333 Symbolic Logic and Set Theory (J)

MAT 3343 Probability and Statistics (F, odd) [MWF]  
 MAT 3383 History of Mathematics (F, odd) [T/TH]  
 MAT 4483 Contemporary Geometry (S, odd) [MWF]

\* Determined by ACT subscores. A minimum of 12 in all 3 areas of the Math section is required for placement in MAT 1195. Non-qualifiers take MAT 1163, PreCalculus (Fall only), as a prerequisite to MAT 1195. MAT 1163, Precalculus, does not count towards the 23 hours required for certification.

Elementary education majors with Middle School as a second area of certification will take one Field Experience Level 1 (observing/assisting) and two Field Experience Level 2 classes:

- EDU 2121 Field Experience Level 1 in Middle School
- EDU 3311 Field Experience Level 2, to be assigned in Grades 1,2,3
- EDU 3321 Field Experience Level 2, to be assigned in Grades 4,5,6