

**Mathematics 9-12 – Teaching Certification Requirements**

**Name:**

**Student #:**

**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"

**Assessments:**

- ◆ ACT/SAT scores
- ◆ APT/MFT, if applicable
- ◆ C-BASE – pass all sections
- ◆ Praxis II – passing score

**Professional Education Sequence**

<b>Course #</b>	<b>Course Title</b>	<b>Hours</b>	<b>Grade</b>	<b>Semester /Year</b>
EDU 2113	Educational Psychology (F/S)	3		
EDU 2313	Foundations of Education-Secondary (F/S)	3		
EDU 2141	Field Experience Level 1 (Observing & Assisting) in the Secondary 9-12 or K-12 School (F/S/J) <b>Pre-enrollment required in EDU dept</b> <ul style="list-style-type: none"> <li>◆ 2.0 GPA</li> <li>◆ Education file complete</li> <li>◆ Completed EDU 2113 or 2313 <b>OR</b> be concurrently enrolled in one or both</li> </ul>	1		
EDU 2823	Technology for Educators (F/S)	3		
PSY 4033	Adolescent Development (F)	3		

**Before continuing Professional Sequence, the following prerequisites must be met:**

- ◆ C-BASE – pass all sections
- ◆ 2.5 overall GPA
- ◆ EDU 2113, 2313, 2141

EDU 3333	Principles & Methods of Secondary School (F/S)	3		
EDU 3341	Field Experience Level 2 in the Secondary School (must be taken concurrently with EDU 3333) (F/S) <b>Pre-enrollment required in EDU dept</b>	1		
EDU 3613	Teaching Reading in the Content Area (F/S)	3		
EDU 3833	Behavior & Classroom Management – Secondary (F/S) [EDU 3333 is a recommended pre-requisite]	3		
EDU 4513	Methods of Teaching Math in Middle/Secondary Schools (Spring only)	3		

**Before beginning Student Teaching Semester, the following prerequisites must be met:**

- ◆ Praxis II – passing score

EDU 4691	Student Teaching Seminar (BLOCK) (F/S)	1		
EDU 4832	Assessment & Evaluation of Learners (BLOCK) (F/S)	2		
EDU 4842	Teaching Diverse Learners (BLOCK) (F/S)	2		
EDU 4949	Student Teaching in the Secondary School (BLOCK) (F/S)	10		
<b>TOTALS</b>	<b>Professional Education Sequence</b>	<b>41</b>		
	<b>Mathematics Certification Requirements</b>	<b>41/42</b>		

## ***Mathematics Certification Requirements***

**Mathematics, minimum of 30 hours.** If Mathematics is your declared major, you must meet the Math Department's requirements also.

		<b>Hours</b>	<b>Grade</b>	<b>Semester/ Year</b>
CIS 1xxx	Computer Science I (CIS 1144, F/S) <b>or</b> Foundations of Comp Sci (CIS 1033, F) <i>Please circle choice</i>	3-4		
MAT 1195	Analytics and Calculus I (F/S)	5		
MAT 2255	Analytics and Calculus II (F/S)	5		
MAT 2263	Analytics and Calculus III (F/S)	3		
MAT 3313	Abstract Algebra (S, even)	3		
MAT 3323	Linear Algebra (S, odd)	3		
MAT 3353	Integrated Math (S, even/J, odd)	3		
MAT 3373	Math Technologies (F, even/J, even)	3		
MAT 4483	Contemporary Geometry (S, odd)	3		
MAT 4663	Advanced Calculus (F)	3		
<b>Math Electives (select 2 of the 5 courses)</b>				
MAT 3333	Symbolic Logic and Set Theory (J)	3		
MAT 3343	Probability and Statistics (F, odd)	3		
MAT 3363	Differential Equations (S)	3		
MAT 3383	History of Mathematics (F, odd)	3		
MAT 4433	Numerical Analysis (F, even)	3		