

**MATHEMATICS, CONCENTRATION—TEACHER CERTIFICATION FOR GRADES 7-12 ACADEMIC MAP:  
DEGREE BS (122 CREDIT HOURS)**

This degree map is a semester-by-semester course schedule for students majoring in [Mathematics with a concentration in Teacher certification for Grades 7-12](#). The milestones listed to the right of each semester are designed to keep a student on track to graduate in four years. The schedule serves as a general guideline to help build a full schedule each semester. Milestones are courses and special requirements necessary for timely progress to complete a major. When one or more milestones are missed, students should consult with an academic advisor to determine if another degree path would be more suitable.

Students seeking teacher certification must apply in writing to the College of Education, usually in the sophomore year. At the time of applying they must have a 2.75 cumulative grade point average and must have passed the Praxis I Exams-Reading, Writing and Math. Students who have previously earned a 21 on the ACT, 22 on the Enhanced ACT, or a combined 990 on the verbal and mathematics portions of the SAT are exempt from the Praxis I. Formal admission to the Teacher Education Program is a prerequisite for enrolling in upper-division certification courses. Students must pass PRAXIS II exam before they can enroll in student teaching. Students must complete nine semester hours of enhanced student teaching with an eight-week placement at the secondary level and a seven-week placement at the middle school level. Successful completion of the program results in licensure to teach grades 7-12. For a complete list of requirements for admission to and retention in the Teacher Education Program, see the College of Education section.

Tennessee State University recognizes that students have diverse learning, life, and professional experiences. The University provides opportunities for students to earn college credit toward the degree through a number of assessment options that evaluate their learning experiences. These paths are grouped under the category "Prior Learning Assessment" (PLA). Various means of earning PLA credit at TSU are the following: Advance Placement Program, American Council of Education (ACE) Military Credit, American Council on Education (ACE) other Assessed Credit, College Level Exam Program (CLEP), DSSST Credit by Examination Program (includes DANTES Examination), Institutional Course Challenge Exams (Departmental Exams), International Baccalaureate Credit, Other Military Service, Portfolio Assessment. To learn more about PLA contact your academic advisor or the Office of Student Support Services for Adult and Distance Learners (615) 963-7001.

Department Chair: Sandra Scheick, Email: [sscheick@tnstate.edu](mailto:sscheick@tnstate.edu)  
 Mapping Coordinator: Jeanetta Jackson, Email: [jwilliams@tnstate.edu](mailto:jwilliams@tnstate.edu)  
 Department Web Address: <http://www.tnstate.edu/mathematics/degrees.aspx>

Fall Schedule		Milestones
<b>Semester 1</b>	<b>Hrs.</b>	<b>Semester 1</b>
MATH 1910	4	MATH 1710 and/or MATH 1720 must be taken prior to MATH 1910 if the need is indicated; Pre-requisite course: Must be taken before MATH 1920 and ECON 2010; Minimum grade of "C" required
ENGL 1010	3	Pre-Requisite Course: Must be taken before HIST 2010, HIST 2020, HIST 2030, HIST 2050 or HIST 2700; Minimum grade "C" Required
Humanities Elective*		
COMP 3200 (will be changed to a 1000 level course)	3	Minimum grade of "C" required
UNIV 1000	1	
<b>Total hours</b>	<b>14</b>	

\*Students must take a 3 credit hour course from the following list of approved general education Humanities courses: AREN 2310, ART1010, THTR 1020, MUSC 1010, PHIL 1030, HIST 1000 or RELS2010.

Spring Schedule		Milestones
<b>Semester 2</b>	<b>Hrs.</b>	<b>Semester 2</b>
MATH 1920	4	Minimum Grade of "C" required, Must be completed before take any upper div math courses Pre-requisite course: Must be taken before MATH 2500, 3610, 2110, 3510, 3640, 3810; Minimum grade of "C" required
ENGL 1020	3	Pre-Requisite Course: Must be taken before HIST 2010, HIST 2020, HIST 2030, HIST 2050 or HIST 2700; Minimum grade "C" Required
Humanities Elective*	3	
MATH 3130	3	
COMM 2200	3	
<b>Total hours</b>	<b>16</b>	

\*Students must take a 3 credit hour course from the following list of approved general education Humanities courses: AREN 2310, ART1010, THTR 1020, MUSC 1010, PHIL 1030, HIST 1000 or RELS2010.

Fall Schedule		Milestones
<b>Semester 3</b>	<b>Hrs.</b>	<b>Semester 3</b>
		Take the Praxis I Exams-Reading, Writing and Math (or have the exempt score on the ACT -22 or SAT – 1020)
MATH 2110	4	Pre-requisite course: Must be taken before MATH 4410, 4750; Minimum grade of "C" required
ENGL Literature*	3	Minimum Grade of "C" required
EDCI 2010	3	Minimum Grade of "C" required
HIST 2050**	3	
MATH 2500	1	Minimum Grade of "C" required
PHYS 2110, 2111	4	
<b>Total hours</b>	<b>18</b>	

\*Courses within the range of ENGL 2012-2322 will meet this requirement.

\*\*\*The Department recommends HIST 2050; however, HIST 2010, HIST 2020, HIST 2030, HIST 2060 or HIST 2700 satisfy this requirement.

Spring Schedule		Milestones
<b>Semester 4</b>	<b>Hrs.</b>	<b>Semester 4</b>
		Apply for Admission Teacher Education/Pre-Residency Block 1; minimum GPA 2.75; satisfactory report on Criminal Background
MATH 3510	3	Pre-requisite course: Must be taken before MATH 4410; Minimum grade of "C" required
ECON 2010	3	
PSYC 2420	3	
PHYS 2120, 2121	4	
HIST 2050*	3	
<b>Total hours</b>	<b>16</b>	

\*The Department recommends HIST 2050; however, HIST 2010, HIST 2020, HIST 2030, HIST 2060 or HIST 2700 satisfy this requirement.

Fall Schedule		Milestones
<b>Semester 5</b>	<b>Hrs.</b>	<b>Semester 5</b>
		Take the Praxis II Exam-Math Education (K-12) Content Knowledge
		Pre-requisite: Admission to Teacher Education Program/Pre-Residency Block 1
<b>Pre-Residency-Block 1</b>		
MATH 4410	3	Minimum Grade of "C" required
ECON 2020	4	
STAT 1530 or MATH 1530	3	Minimum Grade of "C" required
MATH 3610	3	Pre-requisite course: Must be taken before MATH 3620; Minimum grade of "C" required
MATH 3500	1	Minimum Grade of "C" required
MATH 3810	3	Minimum Grade of "C" required
<b>Total hours</b>	<b>16</b>	

Spring Schedule		Milestones
<b>Semester 6</b>	<b>Hrs.</b>	<b>Semester 6</b>
		Pre-requisite: Admission to Teacher Education/Pre-Residency - Block 2
		Apply for Admission to Residency 1-Block 3
<b>Pre-Residency-Block 2</b>		
MATH 3640	3	Minimum Grade of "C" required
MATH 4420	3	Minimum Grade of "C" required
MATH 4750	3	Co-requisite courses: Block 2 (EDCI 3870; EDRD 4910); Minimum Grade of "C" required
EDCI 3870	3	Minimum Grade of "C" required
EDRD 4910	3	Minimum Grade of "C" required
<b>Total hours</b>	<b>15</b>	

Fall Schedule		Milestones
<b>Semester 7</b>	<b>Hrs.</b>	<b>Semester 7</b>
		Take the Praxis II Exam: Principles of Learning and Teaching (7-12)
		Pre-Requisites: Admission to Residency 1-Block 3; CPR Recertification
		Apply for Admission to Residency 2-Block 4
<b>Residency 1-Block 3</b>		
MATH 3710	3	Co-requisite courses: Block 3 (EDSE 3330; EDCI 4620); Minimum Grade of "C" required
MATH 4500	3	Minimum Grade of "C" required
EDSE 3330	3	Minimum Grade of "C" required
EDCI 4620	6	Minimum Grade of "C" required
<b>Total hours</b>	<b>15</b>	

Spring Schedule		Milestones
<b>Semester 8</b>	<b>Hrs.</b>	<b>Semester 8</b>
		Take Senior Exit Exam and Apply for Graduation
		Pre-Requisites: Successful Completion of Residency 1-Block 3 and ALL Praxis Exams
<b>Residency 2-Block 4</b>		
EDCI 4705	3	Minimum Grade of "C" required
MATH 4720	9	Co-Requisite Course: Block 4 (EDCI 4705 - 16 weeks/M-F in field); Minimum Grade of "C" required
<b>Total hours</b>	<b>12</b>	

**Employment Information:** The Mathematics Program is designed to enable graduates to assume careers as teachers of mathematics in secondary schools.

**Representative Job Titles Related to this Major:** Teacher (7-12)

**Representative Employers:** Secondary Private and Public Schools

**International study is available for all TSU students and may include opportunities for internships or taking course work towards various minors.** International study may have an impact on the MAP; therefore, it is important to consult with the academic advisor for this major before participating in an international Program opportunity. Students interested in study abroad opportunities should contact the [Office of International Programs and consult with their academic advisor.](#)

This map is not intended to be a contract; either expressed or implied, between the University and the students, but represents a flexible program of the current curriculum which may be altered from time to time to carry out the academic objectives of the University. TSU specifically reserves the right to change, delete or add to any MAP at any time within the student's period of study at the University.

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