



**WTAMU ADVISING SERVICES – 2022-2023 Curriculum Guide**

**Major: Education – Mathematics (4-8) Cert., B.S.**

**Major Code: 860 (BS.ED.4-8.MATH)**

<b>Year 1: Fall</b>		<b>Year 1: Spring</b>	
CORE 10 (Communication) – ENGL 1301 or 1311	3	CORE 10 (Communication) – COMM 1315, 1318 or 1321	3
CORE 20 (Math) – MATH 1314, <del>1316</del> , 1324, <del>1325</del> , <del>2412</del> , or <del>2413</del> <sup>4</sup>	3	CORE 30 (Life & Phys. Sci.) – See checklist for options	3
CORE 30 (Life & Phys. Sci.) – See checklist for options	3	CORE 60 (American History) – See checklist for options	3
CORE 60 (American History) – See checklist for options	3	CORE 70 (Govt./Political Sci.) – POSC 2305 or 2306	3
CORE 70 (Govt./Political Sci.) – POSC 2305 or 2306	3	CORE 90 (Component Area Option) – See checklist for options <sup>2</sup>	3
<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>15</b>
<b>Year 2: Fall</b>		<b>Year 2: Spring</b>	
CORE 40 (Lang., Phil. & Culture) – See checklist for options	3	CORE 80 (Social & Behav. Sci.) - See checklist for options	3
CORE 50 (Creative Arts) See checklist for options	3	EPSY 3350 Children with Special Needs (Summer also)	3
CORE 90 (Component Area Option) – See checklist for options <sup>2</sup>	3	MATH 1351 Math for Teachers II	3
MATH 1316 Plane Trigonometry or MATH 2412 Pre-Calculus Math	3	MATH 2413 Calculus I	4
MATH 1350 Math for Teachers I	3	EDRD 3302 Reading Skills I (Summer also)	3
<b>Total:</b>	<b>15</b>	NSCI 2371 Integrated Science: Earth Science	3
		<b>Total:</b>	<b>19</b>
<b>Year 3: Fall</b>		<b>Year 3: Spring</b>	
EPSY 3341 Educational Psychology - Apply to Educator Preparation Program <sup>2</sup>	3	EDEL 4371 Educational Methodology	3
MATH 3301 Math for Teachers III (online Summer only)	3	EDEL 4381 STEM Teaching and Learning	3
MATH 2414 Calculus II	4	EDPD 4348 Data-Informed Instruction and Assessment (Summer also)	3
NSCI 2372 Integrated Science: Biology (Summer also)	3	MATH 3331 Secondary Principles in Geometry	3
EDRD 4302 Reading Skills II (Summer also)	3	Advanced math or science (BIOL, CHEM, PHYS, GEOL, GESC)	3
<b>Total:</b>	<b>16</b>	EDRD 3325 Science of Teaching Reading (Summer also)	3
		<b>Total:</b>	<b>18</b>
<b>Year 4: Fall</b>		<b>Year 4: Spring</b>	
EDPD 4340 Classroom Management	3	EDPD 4398 Clinical Teaching – All Certificate Areas	3
EPSY 4341 Educator Readiness and Performance	3	EDEL 4341 Clinical Teaching - Elementary	3
EDPD 4388 English as a Second Language Teaching Methods	3		
MATH 3360 Statistical Methods	3		
Advanced math or science (BIOL, CHEM, PHYS, GEOL, GESC)	3		
<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>6</b>

<sup>1</sup> **CORE:** Education – 4-8 Mathematics Certification majors are required to take specific courses for Core 20. For all other categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

<sup>2</sup> **Requirements to take EPSY 3341:** Apply to the Educator Preparation Program; application submitted to Office of Teacher Preparation (Old Main 415); 2.75 GPA in overall WT/transfer hours combined or last 60 hours taken; 2.75 GPA in content field(s)/teaching field(s).

<b>Identified Marketable Skills</b>	<b>Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities</b>
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**Additional notes:**

DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.

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- The core curriculum must total exactly 42 hours; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.
- At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.