

Shawnee State University		Bachelor of Science in Mathematical Sciences in Conjunction with Adolescent to Young Adult Integrated Mathematics Licensure (Grades 7-12)																						
Basic Competency Skills Criteria		Related Studies - (12 hrs)	Mathematical Science Component - (34 hrs)																					
<p>Completion of PRAXIS I or ACT tests with scores indicated below is required prior to taking any education courses EDUC 1115 or higher.</p> <table border="1"> <tr><th colspan="2">PRAXIS I</th></tr> <tr><td>Reading</td><td>172</td></tr> <tr><td>Writing</td><td>172</td></tr> <tr><td>Math</td><td>172</td></tr> <tr><th colspan="2">OR</th></tr> <tr><th colspan="2">ACT*</th></tr> <tr><td>Reading</td><td>19</td></tr> <tr><td>English</td><td>19</td></tr> <tr><td>Math</td><td>19</td></tr> <tr><td>Composite</td><td>21</td></tr> </table> <p>*Multiple ACT tests may be combined to achieve this score.</p>		PRAXIS I		Reading	172	Writing	172	Math	172	OR		ACT*		Reading	19	English	19	Math	19	Composite	21	<p><i>A grade of C or higher is required in this component.</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> PSYC1101 (3 hrs) Introduction to Psychology <input type="checkbox"/> PSYC2130 (3 hrs) Child & Adolescent Psychology <input type="checkbox"/> PSYC3112 (3 hrs) Educational Psychology <p>Select One (3 hours)</p> <ul style="list-style-type: none"> <input type="checkbox"/> BUIS1300 Visual BASIC 1 <input type="checkbox"/> BUIS2350 C Language <input type="checkbox"/> ETCO1115 Computer Programming for Technology <input type="checkbox"/> ETCO1116 JAVA Computer Programming <p>All of these courses must be completed prior to enrolling in methods courses.</p>	<ul style="list-style-type: none"> <input type="checkbox"/> MATH2110 (4 hrs) Calculus 1 <input type="checkbox"/> MATH2120 (4 hrs) Calculus 2 <input type="checkbox"/> MATH2130 (4 hrs) Calculus 3 <input type="checkbox"/> MATH2200 (4 hrs) Discrete Mathematics w/ Graph Theory <input type="checkbox"/> MATH2300 (3 hrs) Linear Algebra <input type="checkbox"/> MATH2500 (3 hrs) Statistics 1 <input type="checkbox"/> MATH3610 (3 hrs) Probability 1 <input type="checkbox"/> MATH4210 (3 hrs) Modern Algebra 1 <input type="checkbox"/> MATH4610 (3 hrs) Mathematical Analysis <input type="checkbox"/> MATH4996 (2 hrs) Senior Research Project 1 <input type="checkbox"/> MATH4997 (1 hr) Senior Research Project 2 	
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Composite	21																							
			<p style="text-align: center;">Mathematics Education Core (9 hrs)</p> <ul style="list-style-type: none"> <input type="checkbox"/> MATH3000 (3 hrs) History of Mathematics <input type="checkbox"/> MATH3200 (3 hrs) Geometry <input type="checkbox"/> MATH4400 (3 hrs) Mathematical Models 																					
Professional Education Requirements (43 hrs)																								
<ul style="list-style-type: none"> <input type="checkbox"/> EDUC1115 (3 hrs) Intro to the Teaching Profession <i>w/field</i> <p>Level 1 Admission to Teacher Education is required for the following:</p> <ul style="list-style-type: none"> <input type="checkbox"/> EDUC2230 (3 hrs) Educational Media, Tech. & Computers <input type="checkbox"/> EDUC2240 (3 hrs) School & Society <input type="checkbox"/> EDUC2245 (2 hrs) Education in Multi-cultural Society <input type="checkbox"/> EDUC2248 (1 hr) Diversity: Cultures & Exceptionalities <i>w/field</i> <input type="checkbox"/> EDIS2250 (2 hrs) Exceptional Learning Needs <input type="checkbox"/> EDAE3285 (3 hrs) Foundations of Secondary Education <i>w/field</i> <p>EDUC2230, 2240, 2245 should be taken prior to or with EDAE3285.</p>		<p>A grade of C or higher and 3.0 GPA is required in the Professional Requirements</p> <p>Level 2 Admission to the Licensure Program is required for the following courses:</p> <ul style="list-style-type: none"> <input type="checkbox"/> EDRE3305 (3 hrs) Teaching Reading in the Content Area <input type="checkbox"/> EDUC3310 (3 hrs) Curriculum & Assessment <input type="checkbox"/> EDAE3385 (3 hrs) Action Research - Home, School & Community Rel. <i>w/field</i> <p>The following courses are to be taken together.</p> <ul style="list-style-type: none"> <input type="checkbox"/> EDAE4400 (2 hrs) Secondary School Curriculum, Instruction & Mngmnt <i>w/field</i> <input type="checkbox"/> MATH4700 (5 hrs) Mathematical Methods for Secondary Teaching <i>w/field</i> 			<p>Level 3 Admission to the Licensure Program is required for the following course:</p> <ul style="list-style-type: none"> <input type="checkbox"/> EDAE4490 (10 hrs) Directed Teaching & Seminar <i>w/field</i> <p>Seminar meets 4-6 pm Tuesday and field time is Monday—Friday all day in school.</p>																			
General Education Program (28-30 hrs) <i>A grade of C or higher is required in this component.</i>																								
<p>English - 6 - 8 hours</p> <p>Students will take either ENGL1101 or ENGL1102 depending on placement.</p> <ul style="list-style-type: none"> <input type="checkbox"/> ENGL1101 (5 hrs) Discourse and Composition <input type="checkbox"/> ENGL1102 (3 hrs) Discourse and Composition <input type="checkbox"/> ENGL1105 (3 hrs) Composition & Argumentation <p>Quantitative Reasoning - 3 hrs</p> <p>This component of the GEP is satisfied by the requirements of the Bachelor of Science in Mathematical Sciences.</p> <p>Fine & Performing Arts - 3 hours (Select One)</p> <ul style="list-style-type: none"> <input type="checkbox"/> ARTH1101 Introduction to Art <input type="checkbox"/> ENGL2275 American Film History <input type="checkbox"/> MUSI1201 Music Appreciation <input type="checkbox"/> MUSI2211 Music History 1 <input type="checkbox"/> PHIL3300 Philosophy of Film <input type="checkbox"/> THAR1000 Introduction to Theatre <p>Social Sciences - 3 hours <i>(Met in Related Studies Component)</i></p>		<p>Natural Science - 7 hours Please refer to the GEP section of the catalog.</p> <p>Cultural Perspective - 6 hours</p> <p>Western Perspective - 3 hours (Select one)</p> <ul style="list-style-type: none"> <input type="checkbox"/> FREN1111 (5 hrs) Elementary French 1 <input type="checkbox"/> IDST2225 (3 hrs) Civilization & Literature 1 <input type="checkbox"/> IDST2226 (3 hrs) Civilization & Literature 2 <input type="checkbox"/> PHIL2200 (3 hrs) Introduction to Philosophy <input type="checkbox"/> SPAN1111 (5 hrs) Elementary Spanish 1 <p>Non-Western Perspective - 3 hours (Select one)</p> <ul style="list-style-type: none"> <input type="checkbox"/> ANTH2250 Principles of Cultural Anthropology <input type="checkbox"/> ARTH3366 Non-Western Survey <input type="checkbox"/> GEOG2201 Cultural Geography <input type="checkbox"/> GEOG3351 Reg. Geog. Of the Middle East <input type="checkbox"/> GOVT3320 Third World Politics <input type="checkbox"/> HIST3400 History of Southern Africa <input type="checkbox"/> HIST3360 East Asian History <input type="checkbox"/> HIST3460 Islamic Religion, Culture, & Civilization <input type="checkbox"/> HIST4420 Middle East in Modern Times <input type="checkbox"/> IDST2227 Civilization & Literature 3 <input type="checkbox"/> PHIL2284 East Asian Philosophy 			<p>Ethics - 3 hours</p> <ul style="list-style-type: none"> <input type="checkbox"/> PHIL3320 Ethics in Public and Private Life <input type="checkbox"/> ROCI4485 Reflections on Community Involv. <p>Capstone - 3 hours</p> <ul style="list-style-type: none"> <input type="checkbox"/> IDST4490 Senior Seminar 																			
		<p>Total Hours = 126-128</p> <p>Revised 5/15/07</p>																						