

**Middle Grades Subject Area Course Requirements**

**Middle Grades Concentrations**

<b>Mathematics</b>	<b>Science</b>	<b>Social Studies</b>	<b>Language Arts</b>
MATH 321 Theory of Arithmetic I (3)	AST 103 The Solar System (3)	<b>HIST 222 European History</b> since 1517 (3)	ENGL 102 (3) English Composition EDRD
MATH 322 Theory of Arithmetic II(3)	BIOL 103 Environmental Biology (3)	<b>HIST 341 NC History</b> (meets upper level perspective requirement)	ENGL 312 Grammar for Writing (3)
MATH 311 Informal Geometry(3)	BIOL 140 Principles of Biology I (3)+lab (1)	<b>South America and Europe</b> <i>Select two from:</i> GEOG 350; HIST 327; PSC 215, 219, 415, 416	ENGL 319 Teaching of Grammar (3)
MATH 170 Applied Statistics (3)	CHEM 132 Introductory Chemistry(3) + lab (1)	<b>Africa, Asia, and Australia</b> <i>Select two from:</i> HIST 373, 375,411; ANTH 477; GEOG 440 (Asian or African topic); GEOG 444, PSC 216; 317, 335	ENGL 414 (3) Teaching Composition <b>or</b> ENGL 416 ESL (3)
MATH 146 Pre-Calculus (3)	GEOG 150 Methods of Geology(3) + lab (1)	<b>World History</b> <i>Select two from:</i> HIST 107, 182, 311, 312, 313, 317; PSC 436; ANTH 361, 363, 431	6 hours in Literature Select from: ENGL 231, 251, 252, 261, 262, 365, 390, 420, 421, 440, 464, 477
MATH 140 Introductory Calculus (5) <b>or</b> MATH 153 (4) + 1 Elective Course	PHYS 130 Introductory Physics(3) + lab (1)		467/567 Adolescent Literature (3)
<b>Methods: ELMG 419</b>	<b>Methods: ELMG 416</b>	<b>Methods: ELMG 417</b>	<b>Methods: ELMG 415</b>