

SCIENCE ELECTIVES

Environmental Science:

Biol 101	Intro Biol
Biol 102	Human Biol
Biol 113	Energy Transfer
Geog 120	Atmospheric Environ
Geog 520	Climatology
Earth Sci 100	Planet Earth
Earth Sci 110	Hist of Life
Earth Sci 122	Earth through Time
Earth Sci 203	Environment
Env & Nat Res 367	Am Landscape
Env & Nat Res 613	Environ & Ecol Ed
Env & Nat Res 614	Marine & Aquatic Ed

Societal Perspectives:

Biol 102	Human Biol
Biol 114	Ecology
Biol 597	Human Diversity
Geog 630	Conserv of Nat Res
Earth Sci 100	Planet Earth
Earth Sci 122	Earth through Time
Earth Sci 210	Energy & Min Res
Earth Sci 580	Earth Sci for Educators
Hist 360	Sci Rev
Hist 561	Hist Am Sci
Env & Nat Res 367	Am Landscape
Philos 455	Philos of Sci
Phys 103	Energy
Phys 106	Matter
Phys 111	Mech & Heat
Phys 161	Bldg Blocks I
Phys 162	Bldg Blocks II
Phys 367	Uses of Science

Other Electives:

Astron 161	Solar System
Astron 162	Stellar, Galactic, & Extragalactic
Anthro 200	Phys Anthro
Anthro 401	Archaeol
Chem 102	Elem Chem
Chem 122	Gen Chem
EEOB 210	Local Flora
EEOB 400	Evolution
EEOB 232	Intro Physiology
EEOB 235	Intro Anatomy
Earth Sci 107	Field-based Oceanography
Earth Sci 204	Water Issues
Earth Sci 206	Oceanography
Earth Sci 580	Earth Sci for Educators
Earth Sci 583	Field Geology for Educators
Earth Sci 584	Oceanography for Educators
Phys 106	Matter
Phys 107	Electric Circuits
Phys 108	Concepts of Light
Phys 112	Elec, Mag, & Light
Phys 131	Particles & Motion
Phys 132	Elec & Mag
H&CS/ PCMB 300	Gen Plant Biol
Various courses offered in the summer at Stone Lab on Lake Erie	

Substitutions for Middle Childhood Content

The following is a list of courses that may substitute for the content requirements for Middle Childhood licensure. Substitutions for any other courses require a petition and T&L faculty approval—a course syllabus or detailed description must be submitted with the petition to confirm the content equivalency.

Requirement	Substitutions
P&L 607 or Psych 551	HDFS 362
Reading and Language Arts	
Intro to English Language	Ling 201, Eng 570
American Lit	Any American lit
World Lit	Comp Std 273, 301, 306 any non-western world lit
Non-Print Media	Comp St 358, Eng 373, 578, Wom Std 317
Written Communication	Any second writing course <i>[may not double count for Oral Communication]</i>
Mathematics	
Math 107	Math 415 With Petition Only
Math 148, 150, 568	Math 151, 152, 153, 161, 162, 254, 345, 366
Math 117, 151	Math 152, 153, 161, 162
Stats 135, 145, 427 & 428	Ag Econ 205, Stats 245, 520, Psych 320, Soc 549 <i>[may not substitute Stats133; may petition stats courses from other depts.]</i>
CS&E 101, 201, 221	CS&E 200, 202, 211 <i>[may not substitute 100]</i>
Science	
Biol 101/102, 113/114	Biol 115/116, Biol 101/Pl Biol 102, Pl Biol 101/Biol 102, Biol 101/Ent 102, Biol 101/Hum Nutr 210
Biol 102	EEOB 232, 235
Physics 106	Physics 107, 108
Geog 120	Earth Sci 110, 203, 210
Earth Sci 122	Earth Sci 203, 210
Social Science	
Anthro 202	Anthro 201, Anthro 597.01 any non-western history or social science course, May petition non-western humanities course
Geog 240	Geog 200
Hist 151	Hist 152
Hist 181	Hist 182
Poli Sci 100, 165, 210	Poli Sci 101