



Curriculum and Instruction

UNIVERSITY OF MINNESOTA

Driven to Discover®

**Additional Licensure in Science Education: Grades 5-8 General Science
Prerequisite Course Evaluation**

Candidates are required to have an undergraduate degree from an accredited institution with a major in life science or closely related field, or meet the prerequisites below, and with appropriate liberal arts/general education coursework. Courses in each of the content areas are required to meet Standard 1 of MNSEPT: "The learner understands and can create learning experiences that make these aspects of content matter meaningful for students" (<https://www.revisor.mn.gov/rules/?id=8710.2000>). The X's in the "Course/Number" column reflect outstanding prerequisites. Any in-progress coursework would be counted as complete if an official transcript with proof of enrollment is provided at the time of application.

Candidate Name:	UM ID# (if known):	E-mail:	Date:
Prepared by: Drew Hatton	Degree Granting Institution:	Major(s):	Minor(s):

Teacher candidates interested in pursuing the grades 5-8 General Science Additional License must have previously or concurrently completed an Initial License in grades 9-12 Chemistry, Physics, Life Science, or Earth and Space Science.

Content Area	Requirement	U of M Course Options
Life Science two courses (with labs)	Biology I	BIOL 1001 or 1009 or 1951/1961
	Biology II	BIOL 2003/3004 or 1055 or GCD 3022 or 3033
Physics sequence two courses (with labs)	Physics I	PHYS 1101 or 1221 or 1301W
	Physics II	PHYS 1102 or 1222 or 1302W
Chemistry sequence two courses (with labs)	General Chemistry I	CHEM 1061 & 1065 or 1081 & 1065 or 1071H & 1075H
	General Chemistry II	CHEM 1062 & 1066 or 1082 & 1086 or 1072H & 1076H
Earth science two courses (with labs)	Physical Geology	ESCI 1001
	Astronomy	AST 1001