

Secondary Education Major (with) Integrated Science Major (5-9, 7-12)  
 With Emphasis in Biology  
 (for Freshman beginning Fall 2023)  
 Updated February 2024

This advising sheet lays out a basic 4-year plan with all of the components necessary to graduate and become certified in Secondary Integrated Science (5-9, 7-12). Candidates who wish to choose Integrated Science (5-9, 7-12) will have to add an emphasis in either Biology, Chemistry, Geology, or Physics. A candidate's actual 4-year plan should be worked out with an education advisor.

**Anchor Plan (31-32 credits)**

The Anchor Plan is required for all Hope College students and represents the general education liberal arts program. The following chart explains these requirements.

Requirement	Rule	Attribute
First Year Seminar	One IDS 100 -3 credits	FYS
Expository Writing	ENGL 113 -3 credits	EW
Health Dynamics	KIN 140 -2 credits	HD
Math and Natural Sciences *satisfied by major-no additional credits		
Social Sciences *satisfied by major-no additional courses required	One REL 200 course -3 credits *one course must have Christian Tenets Both Social Science courses will be satisfied by	RL1 RL2 *TEN

**Secondary Education Major (44 credits)**  
**5-9/ 7-12 grade band**

The professional sequence for all secondary education majors is listed below and is separated by level. Level 1 courses are designed to help candidates decide if education is the right career path. Once completed, candidates must choose their primary grade band, either 5-9 or 7-12. The other grade band becomes their secondary grade band. Level 2 courses are designed to have candidates learn the art of teaching. During Level 2 coursework, candidates must have 50 hours of clinical experience in their secondary grade band. Level 3 courses are taken during the student teaching semester and placement should be in a candidate's primary grade band.

Course #	Course Title	Credits
<b>Level 1</b>		

**Secondary Education Integrated Science Major with Biology Emphasis (Grades 7-12)**  
**(Additional 16 Credits)**

Course #	Course Title	Credits
BIOL 221/221L	Physiology/Lab	3+1
BIOL 356/356L	Genetics/Lab	3+1