

A minimum of 125 credits is needed for graduation (Or 127 if MA 011 was taken). This major requires a minimum of 115 credits of Professional Education courses. Some major courses may also fulfill core requirements.

Requirements for the B.S. Degree  
**Elementary/Middle Level Education – Science**  
 Academic Year 2009-2010

Name \_\_\_\_\_

Advisor \_\_\_\_\_

<b><u>Required Science Content Courses (32 credits)</u></b>	<b>Credits</b>	<b>Grade</b>	<b>Term</b>
ES 113 Earth in Space <b>OR</b> ES 114 Geosystems	4	_____	_____
BIO 111 Introduction to Biological Sciences I	4	_____	_____
BIO 112 Introduction to Biological Sciences II	4	_____	_____
 CH 101 General Chemistry, CH 105 Fundamentals of Chemistry <b>OR</b> CH 109 Intro to Forensic Science	 4	 _____	 _____
_____			
PHY 105 How Things Work <b>OR</b> PHY 103 Physics I	4	_____	_____
Take 8 credits of <b>200- or 300-level</b> Biology	4	_____	_____
_____	4	_____	_____
_____	4	_____	_____
ED 326 Methods of Teaching Science and Health in Elementary/Middle Level	4	_____	_____
 <b><u>Required Mathematics Sequence (12 credits)</u></b>			
MA ____ Math Core	4	_____	_____
MA 205 Foundations of Math <b>OR</b> MA 251 Probability and Statistics	4	_____	_____
ED 336 Methods of Teaching Mathematics in Elementary/Middle Level	4	_____	_____
 <b><u>Required Reading/English Sequence (13 credits)</u></b>			
EN (Writing) 100 or 105	4	_____	_____
EN 2__ (Literature) _____ (CE)(WRI)	4	_____	_____
ED 346 Methods of Teaching Reading and Writing in Elementary/Middle Level	5	_____	_____
 <b><u>Required Social Studies Sequence (12 credits)</u></b>			
Take one Social Studies Elective			
_____ (NCH)	4	_____	_____
ED 226 World Geography for Social Studies Educators	4	_____	_____
ED 366 Methods of Teaching Social Studies in Elementary/Middle Level	4	_____	_____
 <b><u>Professional Education Courses (46 credits)</u></b>			
ED 106 Early Adolescent and Adolescent Development and Learning	4	_____	_____
ED 151 Early Adolescent and Adolescent Cognition	4	_____	_____
ED 161/162 Integrated Technology I or Technology II	2	_____	_____
ED 241 ELL: Linguistic and Cultural Diversity in the Classroom	3	_____	_____
ED 251 Language and Literacy Development in Elementary/Middle Level	4	_____	_____
ED 258 Educational Assessment and Evaluation	4	_____	_____
SED 272 Learning Environment and Social Interaction in Inclusive Settings	4	_____	_____
SED 282 Foundations of Inclusive Education	4	_____	_____
 ED 470 Professional Internship: Science	12	_____	_____
ED 490 Exit Defense of Professional Portfolio	1	_____	_____
ED 496 Senior Seminar in Elementary/Middle Level	4	_____	_____

**\*The SSC & WCH Core requirements will be waived upon the successful completion of this major; content is covered in required education and special education classes.**