

# MIDDLE SCHOOL EDUCATION - ESL ENDORSEMENT (GRADES 5–8) SCIENCE MAJOR

Department: Education (<https://catalog.bradley.edu/undergraduate/education-health-sciences/education-counseling-leadership/>)

The middle school education program prepares you for the State of Illinois Professional Educator's License (PEL) in Middle School Education, which qualifies you to teach children from fifth grade through eighth grade. It also includes an English as a Second Language endorsement that licenses you to teach English language learners.

For Science, this major earns a Bachelor in Science degree (120 hours). If a student chooses to earn a Bachelor in Arts degree an additional 4 – 12 hours would be incurred.

## Professional Education Courses

Code	Title	Hours
EDU 100	Technology Applications	1.0
EDU 115	The History of Education in the United States	3.0
EDU 116	Introductory Field Experience	1.0
EDU 210	Human Development from Birth to Young Adulthood	3.0
EDU 216	Effective Planning and Instruction for Teaching	3.0
EDU 227	Development of the Early Adolescent	3.0
EDU 228	Strategies for Middle School	3.0
EDU 232	Meeting the Needs of All Students within the Disciplines	2.0
EDU 234	Language Development	3.0
EDU 235	Methods of Teaching English Language Learners	3.0
EDU 237	Practicum for Teaching English Learners I	1.0
EDU 240	Practicum for Teaching English Learners Part 2	2.0
EDU 270	Physical Development and Health	1.0
EDU 280	Exploring Diversity: Learners, Families, And Communities	3.0
EDU 307	Novice Teaching Experience in Grades 5-8	4.0
EDU 315	Methods of Literacy II: Reading, Writing and Language: Grades 3-8	3.0
EDU 345	Guiding Learners: Creating Safe, Inclusive Learning Enviro Environments	3.0
EDU 368	Content Reading for All Students	2.0
EDU 369	Assessing All Students	2.0
EDU 491	Student Teaching 5-8	12.0
<b>Total Hours</b>		<b>58</b>

## Science Concentration Courses

Code	Title	Hours
EDU 362	Methods of Teaching Science 6-12	3.0
SCI 10X		4.0
SCI 302	Science through Inquiry II: Ecosystems (Biology, Earth Science)	4.0
PHY 100	Fundamental Physics Concepts	4.0

or PHY 107	General Physics I	
GES 101 & GES 102	Principles of Earth Science and Principles of Earth Science Laboratory	4.0
GES 300	Oceanography the Human Perspective	3.0
AST 300	Astronomy: Our Glimpse of the Cosmos	3.0
CHM 100 or CHM 110	Fundamentals of General Chemistry I General Chemistry I	3.0
BIO 111	Introduction to Cell Biology	3.0
<b>Total Hours</b>		<b>31</b>

Please note a minimum of 120 credit hours is required for baccalaureate degree completion.

Note: If student complete the Middle School Science program and pass both the middle school and high school science content tests, the student will be endorsed to teach science Grade 5-12

## Special Education Endorsement

For middle school education majors interested in the Special Education endorsement, which would enable you to teach and work with students with high and low-incidence disabilities, the following courses are required. These courses may or may not be part of your major or program. If you are interested in adding this endorsement please discuss with your academic advisor.

Code	Title	Hours
PSY 101	Principles of Psychology	3.0
EDU 391	Characteristics and Methods for Learners with Developmental Disabilities	3.0
EDU 393	Characteristics and Methods for Learners with Emotional and Learning Disabilities	3.0
EDU 426	Assessments for Learners with Exceptionalities	3.0