

Avila University-School of Education Middle School Science Degree Requirements

Below are the degree and teacher certification requirements for students who want to teach 5-9 Science. Students will major in Middle School Education with a concentration in Science.

- Minimum of 120 credit hours are needed to graduate
- Bolded courses will double dip to meet a core requirement, major related requirement, education requirement, or certification requirement.
- All education majors and minors must take and pass the Missouri Gateway Education Assessment (MoGEA) and the Missouri Content Exam (MoCA)

AVILA UNIVERSITY CORE REQUIREMENTS

FOUNDATION COURSES			
CO 110	Fundamentals of Communication	3 hours	
EN 111	Composition I-Rhetorical Discourse	3 hours	
FS 101	First Year Seminar	1 hour	
MA 120	College Algebra	3 hours	
PILLARS (SEE CATALOG FOR SPECIFIC COURSES)		ACQUIRE & TRANSFORM LEVELS	CONTRIBUTE LEVEL
Social Justice and Civic Life		24 hours – at least 6 hours from each pillar. The majority of these are met through the major related requirements.	6 hours combined Met through ED 495 Final Clinical Experience.
Creativity and Culture			
Belief and Reason			
Exploration of Nature			
CORE COMPONENT DESIGNATIONS			
Global Studies (GS)		9 hours	ED 287, ED 322 Lit Course
Interdisciplinary Studies (IS)		9 hours	
Civic Engagement (CE)		3 hours	ED 315

Transfer students

The number of hours required for Core Component Designations are based on the number of transfer credits.

- **Less than 30 credits:** Same requirements as first-year students
- **30-59 credits:** Must complete 6 credits of GS, 6 credits of IS, and 3 credits of CE
- **Associates degree or 60+ credits:** Must complete 3 GS credit hours, 3 IS credit hours, 3 CE credit hours, plus 3 additional credit hours of the student's choice from IS, GS, or CE

MIDDLE SCHOOL DEGREE REQUIREMENTS

MAJOR RELATED / CERTIFICATION REQUIREMENTS		
American History Course		3 hours
HI 203	American Experience I OR	
HI 204	American Experience II	
American National Government		3 hours
PS 120	American National Government	
Biology Course with Lab		4 hours
BI 111	General Biology: Cells and Genes w/lab	
Composition Course		3 hours
EN 112	Composition II – Rhetorical Argument	
Economics Course		3 hours
EC 202	Microeconomics	

Literature Course		3 hours
EN	CORE Literature Course	
Mathematics Course		3 hours
MA 120	College Algebra	
Physical Science		4 hours
NS 125	Introductory Physical Science	

EDUCATION COURSES		
ED 184	Introduction to Educational Technology	1 hour
ED 185	Practicum	3 hours
ED 229	Developmental and Educational Psychology	3 hours
ED 235	Psychology of the Exceptional Child	3 hours
ED 245	Tests and Measurements	3 hours
ED 287	Multicultural Educational Foundations	3 hours
ED 314	Methods and Educational Technology	1 hour
ED 315	General Methods and Differentiated Learning	3 hours
ED 322	Language and Literacy in the Global Context	3 hours
ED 366	Consultation, Collaboration and Family Engagement: Middle / Secondary	1 hour
ED 375	Reading Strategies and Interventions in the Content Areas	3 hours
ED 381	Health and Safety in Schools	1 hour
ED 419	Managing the Learning Environment	3 hours
ED 454	Middle School Philosophy and Organization	3 hours
ED 455	Special Methods: Middle School Science	2 hours
ED 494	Final Clinical Experience Seminar	2 hours
ED 495	Final Clinical Experience	10 hours

MIDDLE SCHOOL SCIENCE CONCENTRATION CONTENT COURSES		
BI 111	General Biology: Cells and Genes w/lab	4 hours
BI 112	General Biology: Ecology and Evolution w/lab	4 hours
BI 215	Humans and the Environment	3 hours
NS 125	Introductory Physical Science	4 hours
NS 221	Physical Geology	4 hours
CHEMISTRY REQUIREMENT (CHOOSE ONE OF THE FOLLOWING TWO)		
CH 131	General Chemistry w/lab	4 hours
CH 135	Advanced General Chemistry w/lab	4 hours
PHYSICS REQUIREMENT (CHOOSE ONE OF THE FOLLOWING TWO)		
PH 117	Physics Concepts	4 hours
PH 231	General Physics I	5 hours