

Master of Education Secondary Education Curriculum Outline (Specialty: General Science Education)

General Core Requirements (15 hours)

- *GEDU 5315 Instructional Technology
- *GEDU 5364 Teaching Diverse Learners
- *GEDU 5320 Applications of Statistics and Research in Education
- *GEDU 5322 Psychological Foundations of Teaching and learning
- *GEDU 5336 Assessing Classroom Learning

Required Educational Foundation Elective (3hours)

- GEDU 5301 History and Philosophy of Education
- GEDL 5302 Public School Law
- GSPE 5363 Behavior Management
- **GEDU 5324 Curriculum Development

Choose Biology or Chemistry Concentration

Biology Concentration- Required Specialization Courses (15 hours)

- GBIO 5310 Advanced Biology
- GBIO 5330 Advanced Cell Biology
- GBIO 5320 Laboratory Experiences / High School Teachers
- GCHM 5340 Advanced Biochemistry
- GAGR 5400 Molecular Biology

Chemistry Concentration- Required Specialization Courses (15 hours)

- GCHM 5325 Advanced Chemistry
- GCHM 5330 Methods in High School Chemistry Teaching
- GPHY 5355 Advanced Physics
- GCHM 5340 Advanced Biochemistry
- GCHM 5350/5335 Chemical Separations **or** Nuclear Chemistry

Specialization Core Requirements (3hours) (Choose one)

- GPHY 5301 Advanced Earth Science
- GPHY 5365 Advanced Environmental Science

Non-Licensed Candidate Requirements

Prerequisites

- Baccalaureate or 30 hours in science
- EDUC 4304 General Methods

- EDUC 4600 Student Teaching Clinical (*Required for initial licensure*)
- EDUC 4603 Student Teaching Practicum: Life Science (*Required for initial licensure*)
- EDUC 4605 Student Teaching Practicum: Physical Science (*Required for initial licensure*)