General Science Education

at Arcadia University

Global Perspectives…Personal Attention…Real-World Integrative Learning Experiences

Coordinator

Julia Plummer, Ph.D.

Master's Degree and Teacher Certification

Master of Education with a Concentration in Secondary Education
Certification: General Science Instructional, Intern, Supervisory

About the Secondary Education Master's Degree Program

This program is designed to allow students seeking certification in secondary areas to attain a master's degree concurrently. The degree is not required for certification, and individual requirements for certification may vary based on academic experience. The program must be planned with an adviser to ensure that degree and/or certification requirements are satisfied.

Master of Education Degree Requirements (M.Ed.)

(a minimum of 30 credits)

Secondary Education Concentration

1. Foundation Courses (6–9 credits) chosen with the adviser from the following:
   - ED 503 General Foundations of Education in the United States
   - One additional foundation chosen from ED 501–510

2. Concentration Courses (15–18 credits) chosen with the adviser from the following:
   - ED 513 Meeting the Needs of Diverse Learners
   - ED 514 Assessment in the Classroom
   - ED 517 Human Development: The School Years, K–12
   - ED 523 The Teacher and the Classroom, Secondary
   - ED 580 Introduction to Inclusive Education
   - ED 553 Issues in Science for Secondary Teachers
   - ED 607 Strategic Instruction for Adolescent Readers and Writers 7-12
   - ED 565 Introduction to Instructional Technology

3. Electives (3–9 credits) chosen with the adviser

4. Culminating Activity. (3 credits)
   - ED 596 Curriculum Development Project

Teacher Certification

Pennsylvania Instructional Teacher Certification (variable credit depending on previous academic credentials)

General Science 7–12

- ED 503 General Foundations of Education in the United States
- ED 513 Meeting the Needs of Diverse Learners
- ED 523 The Teacher and the Classroom, Secondary
- ED 553 Issues in Science for Secondary Teachers
- ED 565 Introduction to Instructional Technology
- ED 471 Graduate Student Teaching Practicum: Secondary 7–12 (6 credits; credits not applicable to master's degree)
  - or ED 583B Fieldwork (for students holding a valid Pennsylvania Instructional I or II certificate) (3 credits; credits not applicable to master's degree)

Additional Certification Requirements

1. Completion of all subject area coursework required to meet the general and specific certification standards of the Pennsylvania

Department of Education. This will be determined by the coordinator.

2. A grade of "**B**" or better in the Graduate Student Teaching Practicum.

3. Completion of all Praxis examinations is required prior to enrolling for the Student Teaching Practicum.

   Praxis I:
   Passing scores on Reading, Writing and Mathematics tests are required for admission to the program.
   Praxis II:
   General Science Content Knowledge (10435)
   Qualifying Score: 146