

# CURRICULUM AND INSTRUCTION

## Degree Requirements

### Master of Education (M.Ed.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-700 Professional Degree Policies (<https://gradschool.psu.edu/graduate-education-policies/>).

M.Ed. students are expected to complete CI 590 as well as a core of one course in each of three areas:

| Code  | Title   | Credits |
|---|---|---------|
| <b>Required Courses</b>                                 |   |         |
| CI 590  | Colloquium <sup>1</sup>                                 | 1       |
| Select one course in each of the following three areas: |   | 9       |
| <i>Learning/Foundation</i>                              |   |         |
| EDPSY 421   | Learning Processes in Relation to Educational Practices |         |
| EDPSY 526   | The Psychology of Reading                               |         |
| SCIED 552   | Science Teaching and Learning                           |         |
| CI 560  | Theories of Childhood                                   |         |
| <i>Research</i>   |   |         |
| CI 400  | Introduction to Research Literature                     |         |
| CI 501  | Teaching as Inquiry                                     |         |
| SCIED 558   | Research Problems in Science Teaching                   |         |
| STAT 500  | Applied Statistics                                      |         |
| EDPSY 400   | Introduction to Statistics in Educational Research      |         |
| <i>Curriculum</i>                                       |   |         |
| CI 550  | Overview of Contemporary School Curriculum              |         |
| C-S 551   | Curriculum Design: Theory and Practice                  |         |
| SCIED 550   | Science Education Curriculum                            |         |

<sup>1</sup> Through CI 590, students complete Scholarship and Academic Research Integrity (SARI) training.

M.Ed. candidates submit a professional master's culminating paper.

### Master of Science (M.S.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Policies. (<https://gradschool.psu.edu/graduate-education-policies/>)

M.S. students are expected to complete CI 590 as well as a core of one course in each of three areas:

| Code  | Title   | Credits |
|---|---|---------|
| <b>Required Courses</b>                                 |   |         |
| CI 590  | Colloquium <sup>1</sup>                                 | 1       |
| Select one course in each of the following three areas: |   | 9       |
| <i>Learning/Foundation</i>                              |   |         |
| EDPSY 421   | Learning Processes in Relation to Educational Practices |         |
| EDPSY 526   | The Psychology of Reading                               |         |

|                   |  |
|-------------------|--|
| SCIED 552         | Science Teaching and Learning                      |
| CI 560            | Theories of Childhood                              |
| <i>Research</i>   |  |
| CI 400            | Introduction to Research Literature                |
| CI 501            | Teaching as Inquiry                                |
| SCIED 558         | Research Problems in Science Teaching              |
| STAT 500          | Applied Statistics                                 |
| EDPSY 400         | Introduction to Statistics in Educational Research |
| <i>Curriculum</i> |  |
| CI 550            | Overview of Contemporary School Curriculum         |
| C-S 551           | Curriculum Design: Theory and Practice             |
| SCIED 550         | Science Education Curriculum                       |

<sup>1</sup> Through CI 590, students complete Scholarship and Academic Research Integrity (SARI) training.

M.S. candidates are required to enroll in six credits of thesis research (CI 600 or CI 610) as they plan, conduct, and report a master's research thesis.

### Doctor of Philosophy (Ph.D.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Policies. (<https://gradschool.psu.edu/graduate-education-policies/>)

The completion of a core of competencies in curriculum, instruction, and supervision with at least one course in each area is expected of Ph.D. candidates. Additional course requirements include courses in an emphasis area, in quantitative or qualitative research methods, and in supporting courses that extend or complement the emphasis area. Emphasis areas include:

- Curriculum and Supervision
- Early Childhood Education
- Language, Culture, and Society
- English Language Arts Education
- Second Language Education
- Social Studies Education
- Mathematics Education
- Science Education

All students complete Scholarship and Academic Research Integrity (SARI) training through CI 590. In addition, each student completes all Degree Requirements of the Ph.D. and produces and defends a doctoral dissertation.