Doctor of Philosophy in Education, Curriculum & Instruction

Program Objectives
The Doctor of Philosophy in Education (PhD), with emphasis in Curriculum and Instruction degree is designed to prepare graduate students to conduct educational research in highly specialized disciplines. Progress through the degree provides students with opportunities to develop specialized disciplinary content and research knowledge along with scholarly experiences that will provide the foundational knowledge and skills required for success as faculty in higher education and in research organizations.

The program addresses topics specific to Montana including working with rural communities and Native Americans on state and other educational issues. Graduates of this PhD program in education will be well-positioned to directly and positively affect the data driven culture related to improving education issues. Graduates of this PhD program will be well-positioned to directly and positively affect the data driven culture related to improving rural communities and Native Americans on state and other educational issues.

Program Flow
After being admitted to the PhD program, the student will be assigned a temporary advisor and should then meet with his/her assigned advisor. Actual courses taken during the initial stage will be based on the student’s previous academic work and advisor/committee approval.

The program is designed to be specifically tailored to each doctoral student’s related research interest while providing cutting edge knowledge and skills in research and theory.

Program of Study

Core Content (15 Credit Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Core Content Courses</td>
<td>6</td>
</tr>
<tr>
<td>EDU 600: Doctoral Seminar</td>
<td>3</td>
</tr>
<tr>
<td>EDU 650: Dissertation Seminar</td>
<td>3</td>
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<tr>
<td>Or approved substitutions</td>
<td></td>
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</tbody>
</table>

Choose: (9 Credit Hours from the following)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>EDLD 605: Higher Education History and Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 643: Leading Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 610: Leadership and Organizational Theory</td>
<td>3</td>
</tr>
<tr>
<td>EDLD 635: College Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 604: Advanced Educational Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Or approved substitutions

Curriculum & Instruction Concentration Options (15 Credit Hours)

Electives appropriate to area of specialization (Curriculum Design; English Language Arts Education; Social Studies Education; Science Education) and approved by Graduate Advisor.

Required Research Courses (18 Credit Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Required (9 Credit Hours)</td>
<td>9</td>
</tr>
<tr>
<td>EDU 602: Educational Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>EDU 607: Quantitative Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>EDU 610: Qualitative Educational Research</td>
<td>3</td>
</tr>
</tbody>
</table>

Advanced Research Electives (Choose 9 Credit Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>EDU 606: Mixed Methods Research Design in Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 611: Advanced Qualitative Research</td>
<td>3</td>
</tr>
<tr>
<td>EDU 608: Advanced Quantitative Research</td>
<td>3</td>
</tr>
<tr>
<td>EDU 612: Critical Race Theory</td>
<td>3</td>
</tr>
<tr>
<td>EDU 613: Indigenous Methodologies in Educational Research</td>
<td>3</td>
</tr>
<tr>
<td>EDU 637: Institutional Research and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDU 614: Planning Program Assessment</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives also may be taken that are appropriate to the research area of specialization and approved by the graduate advisor.

Dissertation (18 Credit Hours) 18

EDU 690: Doctoral Thesis

Total Credits 66

Residency Requirement
The PhD requires one year of on campus full-time residency. The residency requirement consists of two consecutive semesters (fall and spring) of full-time enrollment (6-9 credits per semester) in PhD coursework.

Committees
Each doctoral student’s committee must consist of at least four approved members. The chair and one other approved member must be from the Curriculum & Instruction faculty. Two other approved members will be selected based upon their ability to contribute to the student’s studies leading up to and through the dissertation research. These two committee members must have academic credentials in the area of the student’s program of study and be approved by the Head of the Department of Education and Dean of The Graduate School. For information regarding graduate representatives, please refer to the Graduate School policy.

Chairs
The student should carefully select a chair after thorough conversations with those Curriculum & Instruction faculty members that he/she believes might have an interest in his/her doctoral research agenda and/or the ability to work with him/her toward generating a defensible dissertation. The chair will give leadership and approval regarding the balance of the committee’s potential membership. The committee, as a whole, is subject to the approval of the Head of the Department of Education. The chair will facilitate program approval, comprehensive exam planning and clarification, proposal hearing, and dissertation defense. Chairs and members of a student’s committee are subject to change. Revision to the program of study can be made during the course of study with the chair’s approval.

Comprehensive Examinations
As PhD students in Curriculum & Instruction approach the end of their coursework (46 credits completed), and prior to the dissertation proposal meeting, they will contact their committee chair to discuss the content and format of the required written and oral comprehensive examinations. The comprehensive exams must be completed by the posted Graduate School deadlines. Students should refer to the Graduate School’s web page at: http://www.montana.edu/gradschool/policy/degreq_doctoral.html and the Department of Education Graduate Handbook at https://www.montana.edu/education/grad/handbook/index.html (https://www.montana.edu/education/grad/handbook/) for more detailed information on comprehensive exams.
Mode of Course Delivery

Doctoral level courses are offered in a variety of modalities including face-to-face in-person courses, synchronous and asynchronous online learning, and a combination of both.

Additional Requirements

The PhD degree must meet the minimum requirements in the For Doctoral Students section of the Graduate School’s website. Additional requirements for the PhD degree beyond these minimums are available through the Department of Education. All PhD degree candidates are expected to be familiar with both the Graduate School’s degree requirements listed here: http://www.montana.edu/gradschool/policy/dregreq_doctoral.html and the Department of Education degree requirements listed on the department website.

Contact Information

Graduate Program Assistant
PO Box 172880, Reid Hall 215
Department of Education, Montana State University
Bozeman, MT 59717-2880
Phone: 406-994-6786 Email: edgrad@montana.edu

Application Process for the PhD in Education, Curriculum & Instruction

Applicants are required to complete the online application and submit the following documentation via the Graduate School Online Application System (http://www.montana.edu/wwwdg/apply.html)

1. Completed Graduate School Application

2. Academic Transcripts: Applicants must provide official transcripts verifying all Bachelor's degree and Masters coursework (as well as confirmation of bachelor's and master’s degree earned) from the applicant’s certifying university. Unofficial transcripts may be uploaded during the application process. Official electronic transcripts may be emailed directly from the Institution to edgrad@montana.edu or mailed to the Department of Education Graduate Programs Office, 215 Reid Hall, PO Box 172880, Montana State University, 59717. Transcripts from a degree awarded through MSU do not need to be provided. NOTE: We require an undergraduate and graduate GPA of at least 3.00 (on a 4.00 scale). Transcripts will be evaluated for rigor and academic fit.

3. Personal Essay: Suggested length is 2-3 typed, double-spaced pages. The applicant should briefly describe the following

- Education and other educational professional experiences
- Research interests and experience including alignment with faculty interests and expertise and an example of research experiences using educational theory, research methods, and application
- Professional goals

4. Research and Data Analysis Skills Summary. You will be asked to upload a separate document (less than one page) addressing the following

- Describe your research experience skills
- Summarize your experiences using different research methods
- List scholarly products such as peer-reviewed conference publications and peer-reviewed publications
- Describe data analysis skills and experience using different data analysis software (i.e., SPSS, ENVIVO, SAS)

5. Resume/Curriculum Vitae

6. Three (3) Professional References: The letters should be from individuals qualified to assess the following

- Knowledge in chosen field
- Motivation and perseverance toward goals
- Ability to work independently
- Ability to express thoughts in speech and writing
- Ability/potential for college teaching
- Ability to plan and conduct research

7. For International Applicants ONLY: Please visit the Graduate School International Application Process (https://www.montana.edu/gradschool/policy/admissions_intl.html) website for application submission information.

* Note: Applicants may be contacted for an interview by the program specific applicant review committee.

Application Deadline

Below is the deadline by which all application materials for the PhD in Education must be submitted via the online application system. Students matriculate into the PhD program in the fall semester only. Applications to the PhD programs are reviewed once per year at the April 1st deadline. Applications received after the deadline may be reviewed for acceptance on a case-by-case basis.

- Fall Semester: April 1st

* An early review deadline of February 1st has been set for those applicants wanting to be considered for Graduate Assistantships. Applications must be complete for an early review. A student must be accepted to an education program before requesting a Department of Education Graduate Assistantship. Graduate Assistantships require students to work on campus 19 hours per week. For further information regarding teaching assistantships visit webpage: https://www.montana.edu/education/grad/ga/index.html (https://www.montana.edu/education/grad/ga/).

Admission Process

Complete applications will be reviewed by members of the Graduate Admissions Committee who then convene to make final admission decisions. Once a decision has been made the application will be forwarded to The Graduate School for final administrative processing. Please note that the application review process will begin on the application deadline date and not before.

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