

EDUCATION, DEVELOPMENT AND COMMUNITY ENGAGEMENT

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/>).

A program of study agreement between adviser and student, including planned course work (approved by the student's graduate committee) and time frame, should be completed before beginning the second semester of study.

The Master of Education degree requires a minimum of 31 credits at the 400, 500, or 800 level, with a minimum of 18 credits at the 500 or 800 level, and at least 6 credits at the 500 level. The 31 credits include:

Code	Title	Credits
Required Courses		
EDCE 501	Foundations of Education, Development, and Community Engagement	3
EDCE 509	Contemporary Research in Education, Development and Community Engagement	1-6
EDCE 590	Colloquium	1
EDCE 520	Scientific Method in the Study of Education, Development and Community Engagement	1-4
EDCE 521	Basic Applied Data Analysis in Education, Development and Community Engagement	1-4
	a 3-credit course focused on writing, public speaking, or communicating scientific information to an audience from a list maintained by the graduate program office	3
	9 credits in either the base program or one of two options defined in the Options section below	9
Electives		
	3 elective credits from a list maintained by the graduate program office	3
Culminating Experience		
EDCE 596	Individual Studies (3 credits for the Capstone Project, EDCE 596 (3). A minimum of 3 credits of EDCE 596 is required, but the student's committee may require 3 additional credits be completed based on the project's complexity. No more than 3 credits of EDCE 596 will count towards the minimum credit requirement for the degree; if students are required to complete 6 credits of EDCE 596, then they must complete a minimum of 34 credits for the degree.)	3
Total Credits		25-36

In addition to completing a minimum of 31 credits of required course work, M.Ed. candidates are required to:

- Conduct a Capstone Project, typically involving the development and/ or evaluation of an educational curriculum, project, or program;

- Write a professional paper supporting and reflecting upon the Capstone Project;
- Conduct an oral defense of the Capstone Project and professional paper; and
- Submit at least one article to an appropriate forum (e.g. extension- or education-related journal, trade publication, editor-only reviewed publication, or conference proceedings). At least one required submission must be in an applied publication via Extension or other applied outreach venue.

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/>)

A program of study agreement between adviser and student, including planned course work (approved by the student's graduate committee) and time frame, should be completed before beginning the second semester of study.

The Master of Science degree requires a minimum of 34 credits at the 400, 500, 600, or 800 level, with least 18 credits at the 500 and 600 level, combined, and a minimum of 6 credits of thesis research (600 or 610). The 34 credits include:

Code	Title	Credits
Required Courses		
EDCE 501	Foundations of Education, Development, and Community Engagement	3
EDCE 590	Colloquium	1
EDCE 520	Scientific Method in the Study of Education, Development and Community Engagement	3
EDCE 521	Basic Applied Data Analysis in Education, Development and Community Engagement	3
	a 3-credit course on Research Methods and Data Analysis from a list maintained by the graduate program office	3
	a 3-credit course focused on writing, public speaking, or communicating scientific information to an audience from a list maintained by the graduate program office	3
	9 credits in either the base program or one of two options defined in the Options section below	9
Electives		
	3 elective credits from a list maintained by the graduate program office	3
Culminating Experience		
EDCE 600 or EDCE 610	Thesis Research Thesis Research Off-Campus	6
Total Credits		34

In addition to completing a minimum of 34 credits of required course work, M.S. candidates are required to:

- Conduct an empirical research study involving the collection of primary and/or secondary data;
- Write a thesis on their empirical research study;
- Conduct an oral defense of the research study and thesis; and
- Submit at least one article to a relevant peer-reviewed journal.

The thesis must be accepted by the committee members, the head of the graduate program, and the Graduate School, and the student must pass the thesis defense.

Options - M.S. and M.Ed. Programs

Students may elect to pursue either EDCE master's degree (M.S. or M.Ed.) as a generalist following a base curriculum or with one of two graduate options. Options involve more tailored course work and are included on the student's transcript and diploma after the primary degree title.

The **generalist (base)** curriculum educates students in core areas of EDCE, including leadership, formal education, non-formal program development, and evaluation. The base curriculum requires 9 credits of the following:

Code	Title	Credits
EDCE 505	Leadership Development	3
EDCE 525	Program Design and Delivery	3
EDCE 530	Teaching and Learning in Agricultural Science	3

The **Agricultural Education (AE) Option** allows students to select course work related to their specific interests including: educational program planning and instructional development; leadership within and administration of agricultural education programs; and change in agricultural education. The Agricultural Education option requires 9 credits, chosen from the following:

Code	Title	Credits
AEE 413	Program Planning and Instructional Development	3
EDCE 508	Administration and Supervision of Education, Development, and Community Engagement	3
EDCE 524	Change in Education, Development and Community Engagement	1-3
WFED 413	Vocational Education for Special-Needs Learners	3

The **Youth, Family, and Community (YFC) Option** allows students to select course work related to their specific interests including: program design, implementation, and evaluation; leadership development and civic engagement within communities; intergenerational programs; and volunteer program management. The Youth, Family, and Community option requires 9 credits, chosen from the following:

Code	Title	Credits
EDCE 535	Youth Civic Development	3
EDCE 550	Program Development and Evaluation in Youth, Families and Communities	3
EDCE 555	Volunteer Program Management	3
EDCE 845	Intergenerational Programs and Practices	3

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/>)

Approximately 32 credits of graduate work beyond the master's degree are required. Approximately two-thirds of the total program must be in the major field. Courses in education or statistics may be counted in the major with prior approval of the Ph.D. committee. A minimum of 30 credits must be earned in residence.

Courses completed in the doctoral program in EDCE should give students competence in at least one core area of expertise: educational processes; leadership development and communications; program development, and research. Students must complete the following course requirements, for a minimum of 32 credits:

Code	Title	Credits
Required Courses		
EDCE 501	Foundations of Education, Development, and Community Engagement	3
EDCE 520	Scientific Method in the Study of Education, Development and Community Engagement	3
EDCE 521	Basic Applied Data Analysis in Education, Development and Community Engagement	3
EDCE 590	Colloquium (2 credits over two semesters)	2
Outreach and Engagement (12 500-level credits) – choose 3 credits from 4 for the following areas: Educational Processes, Leadership Development, Program Development, CEDEV, Civic Engagement. A list of courses that will satisfy these requirements is maintained by the program office.		12
Research (15 credits): Methods (6-9 credits), including EDCE 520, Research Methods, Qualitative, Mixed Methods, Others and Data Analysis (6-9 credits), including EDCE 521, EDCE 525, Basic, Advanced, Multivariate, Other. A list of courses that will satisfy these requirements is maintained by the program office.		3
Culminating Experience		
EDCE 600	Thesis Research (a minimum of 6 credits)	6
or EDCE 601	Ph.D. Dissertation Full-Time	
or EDCE 610	Thesis Research Off-Campus	
or EDCE 611	Ph.D. Dissertation Part-Time	
Total Credits		32

Doctoral students develop an appropriate program of study to meet these requirements in consultation with their adviser and Ph.D. committee.

Official entrance into the Ph.D. program occurs upon successful completion of the qualifying examination. Ph.D. degree requirements include successful completion of the following: approved graduate course work, English Competence requirements, a comprehensive examination, and a final oral examination (the dissertation defense). To earn the Ph.D. degree, doctoral candidates must write a dissertation that is accepted by the Ph.D. committee, the head of the graduate program, and the Graduate School.

All doctoral students in EDCE are required to write an article or a paper for publication or presentation based upon (1) their dissertation or (2) their assistantship responsibilities as determined by the academic adviser and assistantship supervisor prior to the granting of a degree. The article or paper will be reviewed and approved by the student's graduate adviser. The article or paper will be submitted to a refereed or professional journal, a professional or research conference, and/or a popular magazine. If co-authored with a faculty member, the student's name will appear as the lead author.

Ph.D. Options

Students may elect to pursue either EDCE Ph.D. degree with one of three options:

Option 1: Leadership/Community Development

Graduates in this option pursue careers in community develop, government and non government organizations, leadership development

and civic engagement within communities, intergenerational programs, and volunteer program management. This option requires 18-24 credits, chosen from the following:

LDT 550	Learning Design Studio	3
ADTED/CIED 508	Globalization and Lifelong Learning	3

Code	Title	Credits
EDCE 505	Leadership Development	3
EDCE 535	Youth Civic Development	3
AEE 440	Communication Methods and Media	3
AEE 460	Foundations in Leadership Development	3
AEE 465	Leadership Practices: Power, Influences, and Impact	3
AEE 508	Administration and Supervision of Education, Development, and Community Engagement	3
AEE 511	Youth Leadership Development	3
CED 445	International Development Practice	3
CED 417	Power, Conflict, and Community Decision Making	3
EDCE/CEDEV 505	Leadership Development	3
CEDEV 575	Methods and Techniques for Community and Economic Development	3
CEDEV 452	Community Structure, Processes and Capacity	3

Option 2: Program Development and Evaluation

The Program Development and Evaluation option allows students to select course work related to their specific interests including: program design, implementation, and evaluation. This option requires 18-24 credits, chosen from the following:

Code	Title	Credits
EDCE 525	Program Design and Delivery	3
EDCE 550	Program Development and Evaluation in Youth, Families and Communities	3
EDCE 555	Volunteer Program Management	3
EDCE 535	Youth Civic Development	3
EDCE 840	Applied Youth Development	3
EDCE 845	Intergenerational Programs and Practices	3

Option 3: Agricultural Education

The Agricultural Education option allows students to select course work related to their specific interests including: educational program planning and instructional development; leadership within and administration of agricultural education programs; and change in agricultural education. This option requires 18-24 credits, chosen from the following:

Code	Title	Credits
EDCE 530	Teaching and Learning in Agricultural Science	3-4
EDCE 515	Engagement Through Outreach Scholarship in Higher Education	3
EDCE 524	Change in Education, Development and Community Engagement	1-3
AEE 400	Global Agriculture Education	3
AEE 412	Methods of Teaching Agriculture and Environmental Science	4
AYFCE 438	Living in an Increasingly Diverse Society	1-3
C-S 560	Principles of Instructional Supervision	3
LDT 505	Integrating Mobile Technologies into Learning Environments	3