

Doctor of Education - Curriculum & Instruction

Plan Description

This program aims to cultivate educational leaders through providing innovative solutions to complex problems of practice. The completion of this degree will enable individuals to become members of university faculties but particularly suited for positions as leaders in school districts and community agencies. **Upon completion, students must focus in one or more of the following disciplinary areas: Career & Technical and Postsecondary Education (CTPE), Cultural Studies, International Education, and Multicultural Education (CSIEME), Interaction and Media Sciences, Literacy Education, Mathematics Education, Science Education, and Teacher Education.** Upon completion of the program, graduates will:

- Have an understanding of the theoretical and historical foundations of education. Demonstrate knowledge and synthesis of major research in teaching and schooling.
- Demonstrate knowledge and research application in solving a complex problem of practice. Understand and apply the major tenets of research design and analysis spanning quantitative, qualitative, and evaluation research methods. Demonstrate the ability to successfully design, defend, and complete an extended educational study addressing a complex problem of practice resulting in a defensible traditional dissertation or a multiple article dissertation.

For more information ~~about~~ **about** your program, including your graduate program handbook and learning outcomes please visit the Degree Directory.

Plan Admission Requirements

Application deadlines Applications available on the UNLV Graduate College website. Application for the Curriculum and Instruction Ed. D. in the Department of Teaching and Learning is accomplished through the UNLV Graduate College online application process. Specific admission criteria for the Ed. D. – Curriculum and Instruction include:

- All domestic and international applicants ~~must review, including students currently matriculated in graduate programs at UNLV outside of the Department of Teaching and Learning, must meet the minimum~~ Graduate College Admission and Registration Requirements, **as well as the specific policies outlined below.** ~~Hold~~ **2. Prior to the admission start date, a master's** master degree from an accredited program in an area closely related to the chosen field of specialization. ~~Normally is required, 18 semester hours unless seeking admission to the MS/PhD track in education are Curriculum & Instruction where a Bachelor degree is required. Have a grade point average of~~ **3.0 or higher in all graduate-level coursework. *Please note that one-third of the total program hours may be transferred from another accredited doctoral program. Have completed** ~~Submit a minimum of 2 years of successful professional educational experience upon entrance to~~ **complete Graduate College online application, by the** ~~program. Obtain three stated application date, including the following:~~ **oThree** letters of recommendation from ~~individuals who~~ **professionals who** can specifically address the ~~applicant's~~ **applicant's** potential for success in the doctoral program. ~~These letters of recommendation will be requested and submitted through the Graduate College online application system.~~ **One of the letters** ~~letter, minimally,~~ **must be from a university faculty member addressing** ~~your~~ **past academic success and future potential in a doctoral program. Submit** ~~These letters of recommendation will be requested by and must be submitted through the Graduate College online application system.~~ **oSubmit** one set of ~~official~~ transcripts from all previously attended colleges and universities as requested in the Graduate College online application. ~~You may upload unofficial~~ **Unofficial transcripts should be uploaded** via the online application ~~as a supplement if you have for any degrees or coursework in progress at the~~ **documents in a digital computer file (e.g., PDF)** ~~time of application.~~ **Unofficial transcripts** ~~do~~ **will** NOT substitute

for the official documents **required prior to enrollment, with the exception of coursework taken at UNLV.** ~~Submit~~ **Submit official** Graduate Record Examination (GRE) scores for the General Exam. ~~The scores should,~~ which must be ~~sent directly~~ **received prior** to the ~~Doctoral Studies Office~~ **application deadline.** ~~o~~ **Answering any questions required in the application portal.** 4. **After initial screening, applicants moving moving forward** in the process will be invited to an interview. Interviews are conducted by members of the Department of ~~Curriculum Teaching and Instruction~~ **Learning graduate faculty.** ~~Applicants~~ **Interviews are encouraged not guaranteed simply by means of applying to** ~~provide self-reported scores for the program.~~ The Doctoral Studies Office and program faculty members will work to plan interviews with selected applicants. 5. Students with less than a 145 Verbal, or a 145 Quantitative, or a 3.5 Analytical Writing, or any combination thereof on the GRE can only be admitted on a conditional basis; if admitted a student must earn a 3.30 (B+) GPA in the ~~Standardized Tests section of~~ Departmental Core (CIG 761& 790) and two Required Research Courses (EPY 718& 721) in order to remove the ~~Graduate College online application~~ conditional status. 6. ~~Submit~~ **Students enrolled or matriculated in a** ~~Personal Statement via~~ graduate program at UNLV outside of the ~~Graduate College online application that addresses in detail: Reasons~~ Department of Teaching and Learning currently are not guaranteed to have program coursework from the previous program accepted for ~~pursuing a doctorate in education~~ **Expectations concerning transfer or substitution to the doctoral program** ~~Identify a problem~~ Department of ~~practice~~ **Teaching and** ~~describe it~~ **Learning degree.** 7. The ~~name of a faculty member in~~ **forementioned requirements are** the ~~department with whom you would like~~ **minimum requirements; meeting the minimum requirements does not guarantee admission.** 8. Recommendations to ~~work [optional]~~ **Demonstrate oral communication skills through an interview conducted by members of** the ~~C& I graduate faculty.~~ ~~Out-of-state~~ **Graduate College for admission are based 1) on** applicants ~~must contact~~ **meeting** the ~~Coordinator~~ **minimum requirements along with 2) a comprehensive review of** ~~Doctoral Studies directly to make alternate arrangements to~~ the ~~on-campus interview~~ **application materials by program and/or subplan area faculty.** Students are accepted into a degree program as described in the Graduate Catalog. The faculty and corresponding sub-disciplines and ~~sub-plans~~ **subplans** within the described programs are subject to change at any time.

Plan Requirements

Total Credits Required: 60

Course Requirements

T&L Required Courses - Credits: 6

CIG 761 Theoretical Foundations of Education	3
CIG 790 Doctoral Research Seminar	3
[After] CIG 761 and CIG 790 are not eligible for substitution.	

Research Required Courses - Credits: 12

EPY 718 Qualitative Research Methodologies	3
EPY 721 Descriptive and Inferential Statistics: An Introduction	3
[After] EPY 718 and 721 are not eligible for substitution.	
EPY 716 Evaluation Research Methods	3
EPY 719 Advanced Qualitative Research	3
[After] EPY 720: Research Design in Education	
EPY 722 Inferential Statistics and Experimental Design	3
EPY 726 Advanced Evaluation Research Methods	3
EPY 729 Qualitative Case Study Research	3
EPY 730 Advanced Research Methods	3
EPY 733 Multivariate Statistics	3
EPY 738 Discourse Analysis	3
EDW 768 Grantsmanship in Education	3
[After] Complete two additional advisor approved research courses	

Individual Specialization Courses - Credits: 15

Complete 5 advisor-approved courses. **Individual that constitute an individual specialization courses may include the courses below, but are not limited to the list below area.**

EDW 719 Leadership in Workforce Education and Development	3
EDW 745 Theories of Adult Learning	3
EDW 746 History and Development of Two Year Postsecondary Institution	3
EDW 747 Workforce Education Teaching	3
EDW 749R Evaluation of Workforce Education Programs	3
EDW 763 Readings in Postsecondary Education, Workplace Learning and Performance, and Workforce Education Leadership	3
CME 600 Multicultural Education	3
CME 620 Topics Multicultural Education	3
CME 640 Theory and Research Multicultural Education	3
CME 710 Introduction to Cultural Studies in Education	3
CME 720 Comparative Studies in Learning, Teaching, and Curriculum	3
CIG 773 Critical Literacies/Critical Pedagogies	3
CIT 770 Foundations in Technology & Learning	3
CIT 772 Technology in Teacher Education	3
CIT 773 Interaction Design	3
CIT 774 Behavioral Sciences & Technology	3

CIT-775 Affect & Technology	3
CIT-776 Emerging Technologies for Learning	3
CIT-778 Instructional Design	3
CIL-772 Cognitive Foundations of Literacy	3
CIL-774 Historical Foundations of Literacy Research and Instruction	3
CIL-776 Social and Political Issues in Literacy	3
CIG-783 Theory and Research in School Mathematics	3
CIG-787 Individual Instruction in Mathematics Education	3
CIG-720 Principles of Mathematics Learning	3
CIG-777 Principles of Learning Science	3
CIG-784 Theory and Research in School Science	3
CIG-775 Theoretical Frameworks for Science Education	3
CIG-776 Philosophical Foundations of Science Education	3
CIG-760R Inquiry into Teacher Education	3
CIG-762 Instructional Strategies and Learning to Teach in Higher Education	3
CIG-763 Advanced Research in Teaching and Teacher Education	3

Internships - Credits: 15

Three credits of CIG 791 should be taken during dissertation proposal completion.

CIG 791 Internship in Curriculum and Instruction	1 – 3
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Dissertation - Credits: 12

CIG 799 Dissertation	3
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Degree Requirements

1. Complete a minimum of 60 credit hours beyond the master's degree. **2. All coursework must be approved by the doctoral student's advisor. 3. CIG 761, CIG 790, EPY 718, and EPY 721 are not eligible for substitution. 4.** Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level. ~~Complete the residency requirement for the degree through one of the three options available as described in the current Doctoral Studies Guide on the department website. Attend the Teaching and Learning Department Doctoral Colloquium held periodically throughout their years of study;~~ **5.** In consultation with his/her advisor, a student ~~will~~ **must** organize a dissertation committee of at least three ~~departmental members~~ **departmental Members, including a chair from the students subplan area.** In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student ~~and department's~~ **and department's** discretion. Please see Graduate College policy for committee appointment guidelines. **6.** Pass, **and defend orally,**

a written qualifying examination prior to commencing work on the dissertation proposal ~~or~~. **7. Pass, and defend orally, a written proposal as well as complete all coursework before Advancing to Candidacy and taking dissertation.** ~~(See hours.~~ **8. Comply with all requirements for and successfully defend the** ~~Doctoral Handbook for more detailed information on this process)~~ **dissertation as well as any specific graduation requirements and processes (see Graduation Requirements below).** ~~9. Students may begin developing their qualifying examination questions~~ **Follow all UNLV, Graduate College, and Teaching and Learning Policies and** ~~commence their qualifying exam upon completion of minimum program requirements~~ **adhere to any subplan processes outline in the Doctoral Handbook or doctoral website.**

Plan Graduation Requirements

1. The student must submit all required forms to the Graduate College and then apply for graduation up to two semesters prior to completing his/her degree requirements. **2.** The student must submit and successfully defend his/her dissertation by the posted deadline. The defense must be advertised and is open to the public. **3.** After the dissertation defense, the student must electronically submit a properly formatted pdf copy of their dissertation to the Graduate College for format check. Once the dissertation format has been approved by the Graduate College, the student will submit the approved electronic version to ProQuest. Deadlines for dissertation defenses, format check submissions, and the final ProQuest submission can be found here. ~~The student must also file a copy of the dissertation with the Teaching and Learning Department.~~

~~Plan Requirements (Inactive Hidden)~~

~~See Subplan Requirements below.~~

~~Subplan 1: Career & Technical and Postsecondary Education Track~~

~~Subplan 2: Cultural and International Studies in Education Track~~

~~Subplan 3: Educational Technology Track~~

~~Subplan 4: Literacy Education Track~~

~~Subplan 5: Mathematics Education Track~~

~~Subplan 6: Science Education Track~~

~~Subplan 7: Teacher Education Track~~

~~Subplan 1 Requirements: Career & Technical and Postsecondary Education Track (Inactive Hidden)~~

~~Total Credits Required: 69~~

~~Course Requirements-~~

~~Required Courses — Credits: 6~~

~~Complete two of the following courses:~~

CIG 761 Theoretical Foundations of Education	3
CIG 768 Advanced Curriculum Studies	3
CIG 780 Research on Teaching and Schooling	3

~~CTPE Required Courses — Credits: 18~~

~~Complete 18 credits from the following courses:~~

EDW 719 Leadership in Workforce Education and Development	3
EDW 745 Theories of Adult Learning	3
EDW 746 History and Development of Two-Year Postsecondary Institution	3
EDW 747 Workforce Education Teaching	3
EDW 749R Evaluation of Workforce Education Programs	3
EDW 763 Readings in Postsecondary Education, Workplace Learning and Performance, and Workforce Education Leadership	3
EDW 765 Fiscal Management and Administration of Workforce Programs	3

~~Cognate Courses — Credits: 12~~

~~Complete 12 credit hours of advisor-approved cognate coursework related to the area of emphasis.~~

~~Research Courses — Credits: 9~~

EPY 718 Qualitative Research Methodologies	3
EPY 721 Descriptive and Inferential Statistics: An Introduction	3
CIG 790 Doctoral Research Seminar	3

~~Research Elective Courses — Credits: 3~~

~~Complete 3 credits of advisor-approved additional research courses.~~

~~Internship Courses — Credits: 6~~

~~Complete six credits of a combination of a research internship and/or a college teaching internship.~~

~~EDW 735 Practicum in Workforce Education~~

~~3~~

~~Dissertation Credits: 15~~

~~CIG 799 Dissertation~~

~~3~~

~~Degree Requirements~~

~~Complete a minimum of 69 credit hours beyond the master's degree.~~

~~All coursework must be approved by the doctoral student's advisor.~~

~~Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level;~~

~~Complete the residency requirement for the degree through one of the three options available as described in the current Doctoral Studies Guide on the department Web site.~~

~~Attend the Teaching and Learning Department Doctoral Colloquium held periodically throughout their years of study.~~

~~In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.~~

~~Pass a written qualifying examination prior to commencing work on the dissertation proposal or dissertation (See the Doctoral Handbook for more detailed information on this process). Students may begin developing their qualifying examination questions and commence their qualifying exam upon completion of minimum program requirements and advisor approval.~~

~~Graduation Requirements~~

~~See Plan Graduation Requirements below.~~

~~Subplan 2 Requirements: Cultural and International Studies in Education Track (Inactive Hidden)~~

~~Total Credits Required: 69~~

~~Course Requirements-~~

~~Required Courses — Credits: 15~~

GME 640 Theory and Research Multicultural Education	3
GME 720 Comparative Studies in Learning, Teaching, and Curriculum	3
GME 710 Introduction to Cultural Studies in Education	3
CIG 773 Critical Literacies/Critical Pedagogies	3
CIG 768 Advanced Curriculum Studies	3

~~Area of Emphasis Elective Courses — Credits: 12~~

~~Complete 12 credits of advisor-approved emphasis area courses within and/or outside the department.~~

~~Cognate Courses — Credits: 9~~

~~Complete 9 credit hours of advisor-approved cognate coursework outside the department related to the area of emphasis.~~

~~Research Required Course — Credits: 3~~

CIG 790 Doctoral Research Seminar	3
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~~Research Elective Courses — Credits: 9~~

~~Complete three of the following courses, or any 600- or 700-level advisor-approved research elective course within and/or outside the department. Students should check with the relevant department to ensure they meet any admission and/or prerequisite requirements.~~

CIG 690 Teachers as Action Researchers	3
EPY 718 Qualitative Research Methodologies	3
EPY 719 Advanced Qualitative Research	3
EPY 721 Descriptive and Inferential Statistics: An Introduction	3
EPY 729 Qualitative Case Study Research	3
EPY 730 Advanced Research Methods	3
EPY 738 Discourse Analysis	3

~~Internship Course — Credits: 6~~

~~Complete 6 credits of internship. This can include a combination of a research internship and/or a college teaching internship.~~

~~**CIG 791 Internship in Curriculum and Instruction**~~

~~1—3~~

~~Dissertation—Credits: 15~~

~~**CIG 799 Dissertation**~~

~~3~~

~~Degree Requirements~~

~~Complete a minimum of 69 credit hours beyond the master's degree.~~

~~Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level.~~

~~Twelve credit hours (drawn from electives, cognate, and/or research courses) must be taken outside the Department of Teaching and Learning.~~

~~Complete the residency requirement for the degree through one of the three options available as described in the current Doctoral Studies Guide on the department Web site.~~

~~Attend the Teaching and Learning Department Doctoral Colloquium held periodically throughout their years of study.~~

~~In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.~~

~~Pass a written qualifying examination prior to commencing work on the dissertation proposal or dissertation (See the Doctoral Handbook for more detailed information on this process). Students may begin developing their qualifying examination questions and commence their qualifying exam upon completion of minimum program requirements and advisor approval. The qualifying examination will center on three areas: (a) Emphasis area; (b) Cognate; and (c) Research, with a particular focus on developing the dissertation proposal. (See the Doctoral Handbook for more detailed information on this process.)~~

~~Graduation Requirements~~

~~See Plan Graduation Requirements below.~~

~~Subplan 3 Requirements: Educational Technology Track (Inactive- Hidden)~~

~~Total Credits Required: 69~~

~~Course Requirements~~

~~Required Courses — Credits: 12~~

GIT 770 Foundations in Technology & Learning	3
GIT 778 Instructional Design	3
GIT 780 Educational Technology Research and Practice	3
GIT 782 Distance Education Issues and Trends	3

~~Area of Emphasis Elective Courses — Credits: 15~~

~~Complete 15 credits of advisor approved emphasis area courses within and/or outside the department.~~

~~Cognate Courses — Credits: 9~~

~~Complete 9 credits of advisor approved cognate coursework relating to the area of interest.~~

~~Research Required Courses — Credits: 9~~

GIG 790 Doctoral Research Seminar	3
EPY 718 Qualitative Research Methodologies	3
EPY 721 Descriptive and Inferential Statistics: An Introduction	3

~~Research Elective Course — Credits: 3~~

~~Complete one of the following courses:~~

EPY 716 Evaluation Research Methods	3
EPY 722 Inferential Statistics and Experimental Design	3
EPY 726 Advanced Evaluation Research Methods	3
EPY 730 Advanced Research Methods	3
EPY 733 Multivariate Statistics	3

~~Internship Course—Credits: 6~~

~~**CIG 791 Internship in Curriculum and Instruction**~~

~~1—3~~

~~Dissertation—Credits: 15~~

~~**CIG 799 Dissertation**~~

~~3~~

~~Degree Requirements~~

~~Complete a minimum of 69 credit hours beyond the master's degree.~~

~~Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level.~~

~~Complete the residency requirement for the degree through one of the three options available as described in the current Doctoral Studies Guide on the department Web site.~~

~~Attend the Teaching and Learning Department Doctoral Colloquium held periodically throughout their years of study.~~

~~In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.~~

~~Pass a written qualifying examination prior to commencing work on the dissertation proposal or dissertation (See the Doctoral Handbook for more detailed information on this process). Students may begin developing their qualifying examination questions and commence their qualifying exam upon completion of minimum program requirements and advisor approval. The qualifying examination will center on three areas: (a) Emphasis area; (b) Cognate; and (c) Research, with a particular focus on developing the dissertation proposal. (See the Doctoral Handbook for more detailed information on this process.)~~

~~Graduation Requirements~~

~~See Plan Graduation Requirements below.~~

~~Subplan 4 Requirements: Literacy Education Track (Inactive/Hidden)~~

~~Total Credits Required: 69~~

Required Courses—Credits: 15

CIG 761 Theoretical Foundations of Education	3
GME 710 Introduction to Cultural Studies in Education	3
GIL 774 Historical Foundations of Literacy Research and Instruction	3
GIL 776 Social and Political Issues in Literacy	3
CIG 780 Research on Teaching and Schooling	3

Area of Emphasis Elective Courses—Credits: 12

Complete 12 credits from the following list of courses, or any 600- or 700-level advisor-approved courses in the English Department. Students should check with the relevant department to ensure they meet any admission and/or prerequisite requirements.

GIL 784 Theory and Research in Literacy	3
GIL 782 Theory and Research in the English/Language Arts	3
GIL 688 Historical Development of Literature	3
GIL 747 Literary Theories and Children's Literature	3
CIG 773 Critical Literacies/Critical Pedagogies	3

Cognate Courses—Credits: 9

Complete 9 credits of advisor-approved cognate coursework relating to and broadening the area of interest.

Research Required Courses—Credits: 9

CIG 790 Doctoral Research Seminar	3
EPY 718 Qualitative Research Methodologies	3
EPY 721 Descriptive and Inferential Statistics: An Introduction	3

Research Elective Courses—Credits: 3

Complete one of the following courses, or another research course from within the College of Education or from one of the departments across campus.

EPY 729 Qualitative Case Study Research	3
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EPY 738 Discourse Analysis	3
EPY 716 Evaluation Research Methods	3
EPY 722 Inferential Statistics and Experimental Design	3
EPY 730 Advanced Research Methods	3
EPY 733 Multivariate Statistics	3

~~Internship Course — Credits: 6~~

~~Complete 6 credits of internship. This can include a combination of a research internship and/or a college teaching internship.~~

CIG 791 Internship in Curriculum and Instruction	1–3
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~~Dissertation — Credits: 15~~

CIG 799 Dissertation	3
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~~Degree Requirements~~

~~Complete a minimum of 69 credit hours beyond the master's degree.~~

~~Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level.~~

~~Complete the residency requirement for the degree through one of the three options available as described in the current Doctoral Studies Guide on the department Web site.~~

~~Attend the Teaching and Learning Department Doctoral Colloquium held periodically throughout their years of study.~~

~~In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.~~

~~Pass a written qualifying examination prior to commencing work on the dissertation proposal or dissertation (See the Doctoral Handbook for more detailed information on this process). Students may begin developing their qualifying examination questions and commence their qualifying exam upon completion of minimum program requirements and advisor approval.~~

~~Graduation Requirements~~

~~See Plan Graduation Requirements below.~~

~~Subplan 5 Requirements: Mathematics Education Track (Inactive- Hidden)~~

~~Total Credits Required: 69~~

~~Course Requirements:~~

~~Required Courses — Credits: 15~~

CIG 761 Theoretical Foundations of Education	3
CIG 620 Principles of Learning Mathematics	3
CIG 780 Research on Teaching and Schooling	3
CIG 783 Theory and Research in School Mathematics	3
CIG 787 Individual Instruction in Mathematics Education	3

~~Area of Emphasis Elective Courses — Credits: 12~~

~~Complete 12 of electives within your area of emphasis, or any 600- or 700-level advisor-approved course with a MAT, CIG, CIE, or CIS prefix. Students should check with the relevant department to ensure they meet any admission and/or prerequisite requirements.~~

~~Cognate Courses — Credits: 9~~

~~Complete 9 credit hours of advisor-approved cognate coursework relating to the area of interest.~~

~~Research Required Courses — Credits: 9~~

CIG 790 Doctoral Research Seminar	3
EPY 718 Qualitative Research Methodologies	3
EPY 721 Descriptive and Inferential Statistics: An Introduction	3

~~Research Elective Courses — Credits: 3~~

~~Complete one of the following courses:~~

EPY 716 Evaluation Research Methods	3
EPY 722 Inferential Statistics and Experimental Design	3

EPY 726 Advanced Evaluation Research Methods	3
EPY 730 Advanced Research Methods	3
EPY 733 Multivariate Statistics	3

~~Internship Course — Credits: 6~~

CIG 791 Internship in Curriculum and Instruction	1—3
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~~Dissertation — Credits: 15~~

CIG 799 Dissertation	3
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~~Degree Requirements~~

~~Complete a minimum of 69 credit hours beyond the master's degree.~~

~~Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level.~~

~~Complete the residency requirement for the degree through one of the three options available as described in the current Doctoral Studies Guide on the department Web site.~~

~~Attend the Teaching and Learning Department Doctoral Colloquium held periodically throughout their years of study.~~

~~In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.~~

~~Pass a written qualifying examination prior to commencing work on the dissertation proposal or dissertation (See the Doctoral Handbook for more detailed information on this process). Students may begin developing their qualifying examination questions and commence their qualifying exam upon completion of minimum program requirements and advisor approval.~~

~~Graduation Requirements~~

~~See Plan Graduation Requirements below.~~

~~Subplan 6 Requirements: Science Education Track *(Inactive Hidden)*~~

Total Credits Required: 69

Course Requirements

Required Courses — Credits: 12

CIG 761 Theoretical Foundations of Education	3
CIG 777 Principles of Learning Science	3
CIG 780 Research on Teaching and Schooling	3
CIG 784 Theory and Research in School Science	3

Area of Emphasis Elective Courses — Credits: 15

Complete 15 credits of electives within your area of emphasis, or any 600- or 700-level advisor-approved course with a BIOL, CHE, PHY, ENV, GEO, GEY, ENG, AST or SCI prefix. Students should check with the relevant department to ensure they meet any admission and/or prerequisite requirements.

CIG 775 Theoretical Frameworks for Science Education	3
CIG 776 Philosophical Foundations of Science Education	3
CIG 788 Individual Instruction in Science Education	3

Cognate Courses — Credits: 9

Complete 9 credits of advisor-approved cognate coursework relating to the area of interest.

Research Required Courses — Credits: 9

CIG 790 Doctoral Research Seminar	3
EPY 718 Qualitative Research Methodologies	3
EPY 721 Descriptive and Inferential Statistics: An Introduction	3

Research Elective Course — Credits: 3

Complete one of the following courses:

EPY 716 Evaluation Research Methods	3
EPY 722 Inferential Statistics and Experimental Design	3
EPY 726 Advanced Evaluation Research Methods	3

EPY 730 Advanced Research Methods	3
EPY 733 Multivariate Statistics	3

~~Internship Course — Credits: 6~~

CIG 791 Internship in Curriculum and Instruction	1—3
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~~Dissertation — Credits: 15~~

CIG 799 Dissertation	3
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~~Degree Requirements~~

~~Complete a minimum of 69 credit hours beyond the master's degree.~~

~~Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level.~~

~~Complete the residency requirement for the degree through one of the three options available as described in the current Doctoral Studies Guide on the department Web site.~~

~~Attend the Teaching and Learning Department Doctoral Colloquium held periodically throughout their years of study.~~

~~In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.~~

~~Pass a written qualifying examination prior to commencing work on the dissertation proposal or dissertation (See the Doctoral Handbook for more detailed information on this process). Students may begin developing their qualifying examination questions and commence their qualifying exam upon completion of minimum program requirements and advisor approval. The qualifying examination will center on three areas: (a) Emphasis area; (b) Cognate; and (c) Research, with a particular focus on developing the dissertation proposal. (See the Doctoral Handbook for more detailed information on this process.)~~

~~Graduation Requirements~~

~~See Plan Graduation Requirements below.~~

~~Subplan 7 Requirements: Teacher Education Track (Inactive/Hidden)~~

Total Credits Required: 69

Course Requirements

~~Required Courses — Credits: 6~~

~~Complete two of the following courses:~~

CIG 761 Theoretical Foundations of Education	3
CIG 768 Advanced Curriculum Studies	3
CIG 780 Research on Teaching and Schooling	3

~~Area of Emphasis Required Courses — Credits: 9~~

~~Complete three of the following courses:~~

CIG 706 Mentoring Strategies to Improve Teaching	3
CIG 760R Inquiry into Teacher Education	3
CIG 762 Instructional Strategies and Learning to Teach in Higher Education	3
CIG 763 Advanced Research in Teaching and Teacher Education	3

~~Area of Emphasis Elective Courses — Credits: 12~~

~~Complete four of the following courses, or other 700-level advisor-approved courses within and/or outside the department:~~

CIG 764 Models of Teaching	3
CME 720 Comparative Studies in Learning, Teaching, and Curriculum	3
CIG 767 Human Relations for the Teacher Educator	3
CIG 781 Theories and Research in Classroom Management	3
CIG 766 Evaluation of Teaching	3
CME 710 Introduction to Cultural Studies in Education	3

~~Cognate Courses — Credits: 9~~

~~Complete 9 credits of advisor-approved cognate coursework within the area of emphasis.~~

~~Research Required Courses — Credits: 9~~

EPY 718 Qualitative Research Methodologies	3
EPY 721 Descriptive and Inferential Statistics: An Introduction	3
CIG 790 Doctoral Research Seminar	3

~~Research Elective Courses — Credits: 3~~

~~Complete one of the following courses:~~

EPY 716 Evaluation Research Methods	3
EPY 722 Inferential Statistics and Experimental Design	3
EPY 726 Advanced Evaluation Research Methods	3
EPY 730 Advanced Research Methods	3
EPY 733 Multivariate Statistics	3

~~Internship Course — Credits: 6~~

CIG 791 Internship in Curriculum and Instruction	1–3
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~~Dissertation — Credits: 15~~

CIG 799 Dissertation	3
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~~Degree Requirements~~

~~Complete a minimum of 69 credit hours beyond the master's degree.~~

~~Maintain an overall GPA of 3.00 or higher for all course work taken at the doctoral level.~~

~~Complete the residency requirement for the degree through one of the three options available as described in the current Doctoral Studies Guide on the department Web site.~~

~~Attend the Teaching and Learning Department Doctoral Colloquium held periodically throughout their years of study.~~

~~In consultation with his/her advisor, a student will organize a dissertation committee of at least three departmental members. In addition, a fourth member from outside the department, known as the Graduate College Representative, must be appointed. An additional committee member may be added at the student and department's discretion. Please see Graduate College policy for committee appointment guidelines.~~

~~Pass a written qualifying examination prior to commencing work on the dissertation proposal or dissertation (See the Doctoral Handbook for more detailed information on this process). Students~~

may begin developing their qualifying examination questions and commence their qualifying exam upon completion of minimum program requirements and advisor approval.

Graduation Requirements

See Plan Graduation Requirements below.