Educational Psychology

Degrees Offered

- Master of Arts
- Doctor of Education

Certificates Offered

- Health Professions Education
- Program Evaluation

Nature of the Program

The Educational Psychology Program in the College of Education and Human Services offers opportunities for graduate study and research leading to a Graduate Certificate in Health Professions Education, a Graduate Certificate in Program Evaluation and Research, Master of Arts (MA) degrees in Educational Psychology, Program Evaluation and Research, or Child Development and Family Studies, and a doctoral degree in Educational Psychology. We also contribute to the PhD in Learning Sciences and Human Development and to graduate degrees in Instructional Design and Technology.

GRADUATE CERTIFICATE IN HEALTH PROFESSIONS EDUCATION

The Graduate Certificate in Health Professions Education is designed for health professionals who are (1) looking to move into a new career as health care educators, (2) who may desire educational knowledge and skills in their present fields, and (3) for those who are in or are preparing for educational leadership positions, but may lack formal training in education. This program will provide a foundation in the theory and practice of curriculum design, instruction, student performance assessment, program evaluation, education leadership and management, and educational scholarship.

The Graduate Certificate in Health Professions Education (HPE) is a joint offering from the School of Medicine (SoM) in the Health Science Center and the Educational Psychology program in the College of Education and Human Services (CEHS). The program consists of completing an online orientation module before taking any courses, developing a professional development plan, and completing four courses in Educational Psychology, one of which requires a capstone project where an educational plan is developed for a health care setting.

GRADUATE CERTIFICATE IN PROGRAM EVALUATION

The Graduate Certificate in Program Evaluation provides individuals the knowledge and experience to conduct group and individual evaluations. Using a practice-based approach, participants will be introduced to content in popular methods and approaches used in everyday evaluations. Graduates will be prepared to locate and implement their own studies in the field while maintaining a one-on-one support structure. Completion of the program includes an introduction to program evaluation, exposure to assessment and measurement, survey of research methods and a hands-on experience locating and implementing an agreed upon study of the participant’s choice under the guidance of the program coordinator.

MASTER OF ARTS IN CHILD DEVELOPMENT AND FAMILY STUDIES

The Child Development and Family Studies (CDFS) master's degree program provides students with opportunities for conducting research and working with families and children in educational, applied, or other clinical settings. Courses in child development, family studies, parenting strategies, and interpersonal communication skills are supplemented with field experiences in a variety of settings. Individuals studying Child Development and Family Studies may select a professional focus from a wide variety of areas including child care specialist, early childhood teacher, developmental specialist, child life educator, parent educator, extension specialist, and family life specialist.

Note: Not currently admitting new students.

MASTER OF ARTS IN EDUCATIONAL PSYCHOLOGY

The Educational Psychology master's degree program is designed for individuals who want to pursue general preparation in learning, development, measurement, and research with the flexibility of selecting individualized additional coursework that supports their professional development goals. All students in this major complete four core courses, additional electives, and are required to design and conduct either 1) a project that solves a practical problem in learning or development or 2) a research thesis that investigates a topic of relevance to learning or development.

MASTER OF ARTS IN PROGRAM EVALUATION AND RESEARCH

The Program Evaluation and Research master's degree program is designed for individuals with interest in conducting research and evaluation projects for private and public educational organizations and agencies. All students in this area of emphasis complete six core courses in research and evaluation methodology, additional electives, and are required to design and conduct at least one full program evaluation during the course of their studies.
DOCTORAL PROGRAM IN EDUCATIONAL PSYCHOLOGY (NOT ADMITTING NEW STUDENTS)

The Educational Psychology program in the College of Education and Human Services offers opportunities for graduate study and research leading to the Doctor of Education. The Learning Goals for the Ed.D. in Educational Psychology seek to educate and train professionals who will focus on teaching and learning environments as they carry out their missions in instruction, service, and research. The principal goal of the program is the education and training of professionals who will focus on teaching and learning environments as they carry out their missions associated with instruction, service, and research. Professional preparation centers on (a) learning and development; (b) instructional development; and (c) measurement, research, and statistics. Accordingly, students are expected to achieve competencies in these areas. The student, the student’s adviser, and the student’s committee jointly plan programs to meet particular career needs. Minor fields of study are also planned for each student as appropriate. In addition to the general requirements of the University and the College of Education and Human Services, there is a core of courses supporting the development of competencies required of all graduate students in the program.

Note: Currently not admitting new students into the Doctor of Education degree option.

FACULTY

CHAIR & PROFESSOR

- Reagan Curtis - Ph.D. (University of California at Santa Barbara)
  Educational Psychology, Interdisciplinary Human Development, Cognitive Science, Program Evaluation and Research Methodologies

ASSISTANT CHAIR AND ASSOCIATE PROFESSOR

- Amy Root - Ph.D. (University Maryland, College Park)
  Child Development and Family Studies (Coordinator); Parenting and the Development of Emotional Competence, Individual Differences, Development of Shy/Wary Behavior

DIRECTORS OF WVU NURSERY SCHOOL

- Melissa Workman - M.S., M.A. (West Virginia University)
  Early Childhood Education, Early Childhood Teacher, Associate Director of the WVU Nursery School
- Keri Law - M.A. (West Virginia University)
  Early Childhood Education, Early Childhood Teacher

PROFESSOR EMERITUS

- Neal Shambaugh - Ph.D. (Virginia Tech)
- Carol Markstrom - Ph.D. (Utah State University)

PROFESSORS

- William Beasley - Ed.D. (University of Georgia)
  Instructor presence in online environments, integration of external technologies with learning management systems, elearning in cross-cultural contexts
- M Cecil Smith - Ph.D. (University of Wisconsin)
  Educational Psychology, Adult Learning

ASSOCIATE PROFESSORS

- Kristin Moilanen - Ph.D. (University of Nebraska)
  Adolescent Development, Self Regulation, Risk Behavior, Family Relationships
- Jessica Troilo - Ph.D. (University of Missouri)
  Cultural Conceptions of Fathers, Divorced Fatherhood, the Influence of Social Media on Relationships
- Kimberly Floyd - Ph.D. (Old Dominion University)
  Special Education

ASSISTANT PROFESSORS

- Sara Anderson - Ph.D. (Tufts University)
  Long term pre-K effects, Pre-K quality among diverse populations, Neighborhood effects, Residential mobility
- Melissa Patchan - Ph.D. (University of Pittsburgh)
  Mechanisms of Peer Assessment of Writing, Effectiveness and Validity of Peer Feedback, Issues of Measurement, Multiple Sources, and Validity of Peer Ratings
- Carla Brigandi - Ph.D. (University of Connecticut)
  Educational Psychology, Gifted Education and Talent Development
- Jake Follmer - Ph.D. (Pennsylvania State University)
Educational Psychology, Learning
• Abhik Roy - Ph.D. (Western Michigan University)
  Program Evaluation, Unification of Evaluation Practice and Theory (Grand Theory), Research on Evaluation (ROE), Evaluation of Non Academic Units within Academia

CLINICAL ASSOCIATE PROFESSOR
• Malaya Bernstein - Ph.D. (Northwestern University)
  Learning Sciences

CLINICAL ASSISTANT PROFESSOR
• Ashley Martucci - Ed.D. (West Virginia University)
  Early Childhood Education, Curriculum and Instruction

TEACHING ASSISTANT PROFESSOR
• Colleen Wood-Fields - Ph.D. (Old Dominion University)
  Special Education

CLINICAL INSTRUCTOR
• Nancy Wolfe-Dilgard - M.A. (West Virginia University)
  Communication in Families, Adolescent Drug and Alcohol, Gambling and Families; Parenting Infants, Toddlers, and Adolescents

Admissions

ADMISSIONS FOR GRADUATE CERTIFICATES
Students can apply to the certificate programs online at http://graduateadmissions.wvu.edu/how-to-apply as a non-degree student (CEHS 4597 – Non-Degree Certificate). Students enrolled in a WVU degree program may also apply for the certificate programs, but should be aware that no more than 6 credits earned toward the certificate may be applied to another degree (and vice versa). To be admitted as a non-degree student, a student must present evidence of a baccalaureate degree. The student must also maintain a 3.00 grade point average as long as the student is enrolled.

ADMISSIONS FOR MASTER OF ARTS DEGREES
All masters require the same admissions materials and follow similar processes to make admissions decisions. All faculty members affiliated with the program evaluate the credentials submitted for all completed applications. A majority must indicate acceptance and at least one faculty member must be willing to serve as the student’s adviser. Final approval for admission rests with the relevant Program Coordinator.

In line with best practices for evaluation and assessment, set cutoff scores for tests and GPA are not used to make unidimensional admissions decisions. Instead, applicant materials are reviewed as a total package and admissions decisions are based on multidimensional factors. That said, successful applicants tend to be at or above the 50th percentile on the GRE or MAT, have undergraduate GPAs at or above 3.0, and graduate GPAs (if any) at or above 3.25.

Applicants interested in being considered for admission to the master's programs should indicate that interest on standard online application forms provided by the West Virginia University Office of Admissions and Records, which can be found here: http://graduateadmissions.wvu.edu/how-to-apply

In addition to the completed online application form, the following items must be sent to the appropriate Administrative Assistant (see below) before the admission process can be initiated:

1. A completed WVU online graduate application: http://graduateadmissions.wvu.edu/how-to-apply
2. The applicant's undergraduate and graduate (if any) transcript(s)
3. An official copy of the results of either the Graduate Record Examination or the Miller Analogies Test (GRE/MAT may be waived for General Educational Psychology and Evaluation and Research majors, but is required for Child Development and Family Studies majors) and for non-native English speakers an official copy the TOEFL showing a score of 79 or above (no conditional admissions will be considered)
4. Three (3) letters of recommendation
5. A personal vita (resume)
6. A written statement of approximately 500 words, indicating the applicant's fit for the specific major they wish to be admitted to and goals relative to receiving a master's degree. This statement should indicate which faculty members in the program have research or teaching interests that align with the student's own interests and therefore might appropriately mentor the student if admitted to the program.

Review of applicants for admission will not begin until after all items 1-6 listed above have been received by the relevant administrative assistant.

Admission materials should be uploaded to the WVU online graduate application. For answers to questions regarding application materials please contact the appropriate administrative assistant:
Graduate Certificate in Health Professions Education

CERTIFICATE CODE - CG34

"Orientation to HPE" Module - To be completed before or during first semester

Professional Development Plan - To be posed on the Health Sciences program portfolio site during the first course

HPE Core Content

Must maintain a 3.0 GPA for all coursework

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDP 600</td>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>EDP 640</td>
<td>Instructional Design</td>
<td>3</td>
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<tr>
<td>EDP 612</td>
<td>Introduction to Research</td>
<td>3</td>
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<td>EDP 617</td>
<td>Program Evaluation</td>
<td>3</td>
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<td>Total Hours</td>
<td>12</td>
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PROGRAM FEATURES FOR GRADUATE CERTIFICATE IN HEALTH PROFESSIONS EDUCATION

The Certificate in Health Professions Education consists of the following major features: (1) Required online orientation module: This online "Orientation to HPE" module provides an overview of the Certificate program, opportunities in the HPE field, and educational/medical education terminology. This module, housed on Health Science’s SOLE platform, must be completed before or during the semester in which the first course is taken. (2) Professional Development Plan: This written document helps to identify a student’s HPE career interests and goals, learning products developed through each course, and how each product meets the student’s career goals. (3) 4 three-credit hour courses from CEHS: Educational Psychology (see table above). (4) Capstone experience: An educational plan and program evaluation plan to address a health care need is developed in EDP 617, Program Evaluation.

Graduate Certificate in Program Evaluation

CERTIFICATE CODE - CG41

The Certificate in Program Evaluation (PE) meets the needs of academics and professionals looking to gain knowledge and skills in the practice of program evaluation. The program consists of four courses in Educational Psychology including a capstone project and provides participants real world experience in performing evaluation studies. All courses are available online to maximize flexibility for working professionals.

Students must maintain minimum GPA of 2.75 throughout program.

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDP 612</td>
<td>Introduction to Research</td>
<td>3</td>
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<tr>
<td>EDP 617</td>
<td>Program Evaluation</td>
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<td>EDP 611</td>
<td>Measurement/Evaluation in Educational Psychology</td>
<td>3</td>
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<tr>
<td>EDP 680</td>
<td>Capstone Seminar in Program Evaluation</td>
<td>3</td>
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<td></td>
<td>Total Hours</td>
<td>12</td>
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Prospective students. The Certificate in Program Evaluation is designed for individuals who (1) perform program evaluations as part of their job, (2) may desire evaluation knowledge and skills in their respective fields, and (3) are in or are preparing for program evaluation duties, but may lack formal training and/or certification. This certificate will provide foundational practitioner-oriented training in the theory and application of evaluation, assessment, and measurement. All evaluators or potential evaluators will be encouraged to apply to this program.

Non-degree program. Because credit hours taken under the certificate program frequently are not also used to satisfy the requirements of a degree program, the certificate program course of study is usually taken by non-degree graduate students. The academic records of these non-degree graduate students will be maintained in the college graduate records office as well as in the files of the department. Should any of these non-degree students later decide to pursue a graduate degree in the department awarding the certificate, they must formally apply to the degree program and their credentials must conform to the limits established for the transfer of credit obtained by non-degree students. Namely, a maximum of 12 credits obtained by a non-degree student can be applied toward any degree.

Admissions. Students can apply to the program online at http://admissions.wvu.edu/admissions as a non-degree student (CEHS 4597 – Non-Degree Certificate). To be admitted as a non-degree student, a student must present evidence of a baccalaureate degree. The student must also maintain
a 2.75 grade point average for the 12 credit hours of course work, a CEHS requirement. This average must be maintained as long as the student is enrolled.

**Program features.** The Certificate in Program Evaluation will consist of the following major features:

1. **Online delivery:** The program will be delivered in a 100% online format within the WVU eCampus environment.
2. **Student Professional Development Plan:** A plan will be developed to support students’ Program Evaluation career interests and goals. This plan will document learning products developed out of each course and how each product meets the student’s career goals.
3. **Courses from CEHS: Educational Psychology:** Four three-credit hour (total of 12 credits) will be utilized to address core content areas within the field of program evaluation.
4. **Group evaluation experience:** Within a group setting, students will locate and conduct a program evaluation in EDP 617: Program Evaluation.
5. **Individual evaluation experience:** To mimic how most evaluations are conducted, a student, with guidance from an instructor, will individually develop and implement a program evaluation to be performed by the conclusion of the capstone course.

**Student Learning Objectives:** students in the Program Evaluation Certificate will learn how to:

1. Conduct program evaluations in both a group setting and as a sole evaluator. (EDP 617, EDP 680)
2. Understand the criteria, standards and indicators used in evaluation and research. (EDP 611, EDP 617, EDP 680)
3. Assess the efficiency, effectiveness, and appeal of program evaluations. (EDP 617, EDP 680)
4. Design studies and develop tools utilizing modern research methods and current instruments. (EDP 611, EDP 612, EDP 617, EDP 680)
5. Develop writing skills to be used in evaluation studies and reports. (EDP 611, EDP 612, EDP 617, EDP 680)

**Major Learning Outcomes**

**EDUCATIONAL PSYCHOLOGY**

The principal goal of the Educational Psychology program is the education and training of professionals who will focus on teaching and learning environments as they carry out their missions associated with instruction, service, and research. Professional preparation centers on the following three content areas: a) Learning and development, b) Instructional development, and c) Measurement, research, and statistics. Additional learning goals associated with specialized majors are provided below.

**Graduate Certificate in Health Professions Education**

- Use a systematic process to conduct a needs assessment of learners in healthcare education, design educational interventions and materials, integrate emerging technologies.
- Design face-to-face, blended, and online learning environments incorporating research-based learning principles that address teaching and assessment decisions.
- Evaluate the efficiency, effectiveness, and appeal of healthcare learning environments.
- Design studies and disseminate impacts of designed learning environments to prepare healthcare professionals to translate skills and knowledge for benefit of patient care and healthcare systems.
- Develop an educational intervention plan for a healthcare environment.

**Graduate Certificate in Program Evaluation**

- Conduct program evaluations in both a group setting and as a sole evaluator.
- Understand the criteria, standards and indicators used in evaluation and research.
- Assess the efficiency, effectiveness, and appeal of program evaluations.
- Design studies and develop tools utilizing modern research methods and current instruments.
- Develop writing skills to be used in evaluation studies and reports.

**Master of Arts: Program Evaluation and Research**

- Demonstrate understanding of the philosophical and historical foundations of inquiry.
- Apply appropriate quantitative, qualitative, and mixed-methods research tools to answer practical educational, programmatic, and other social research questions.
- Apply appropriate program evaluation tools to conduct formative and summative evaluations of existing and prospective educational programs.
• Demonstrate understanding of ethical issues in research and evaluation.
• Create informative reports of research and evaluation studies tailored appropriately for multiple stakeholders and decision-makers.

Master of Arts: Child Development and Family Studies

• To understand and apply theories and current research on child development and family studies.
• To recognize and understand the complexities of diversity (e.g., SES, gender, sexual orientation, ethnicity) in families according to relationship dynamics, gender roles, parent-child relationships, and other dimensions of family life.
• To foster critical thinking relative to the scholarly literature in the field and the applications of knowledge to work with children, adolescents, and families.
• To develop the knowledge and skills for interpreting research as well as other scholarly-derived literature.
• To conduct original research through the application of critical thinking and research skills and content-based scholarly-derived knowledge.
• To build professional development skills that may include preparation for an applied career working with children, adolescents, and/or families or doctoral studies to pursue an academic career.
• To advance and foster students’ intellectual interests and their career goals.

CHILD DEV / FAMILY STUDIES COURSES

CDFS 541. Cognitive Development of the Child. 3 Hours.
Piaget's basic theory, including his view of perceptual, symbolic, motor and logico-mathematical development, across the life span.

CDFS 591. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

CDFS 593. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

CDFS 595. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

CDFS 640. Survey of Family Studies. 3 Hours.
Comprehensive overview of theoretical and empirical literature of the family.

CDFS 645. Socio-Emotional Development of Children. 3 Hours.
A study and examination of contemporary theory and research into various facets of the socialization process in infancy and childhood.

CDFS 647. Comparative Study of Family. 3 Hours.
Family diversity and multiculturalism in an ever-changing U.S. society is examined using the comparative method for analysis.

CDFS 648. Theories of Child and Adolescent Development. 3 Hours.
Examination and comparison of theoretical perspectives of child and adolescent development including traditional and newly emerging theories.

CDFS 649. Socialization Processes. 3 Hours.
Examination of the contexts that affect infant, child, and adolescent development, including family, peers, schools, neighborhood, media, and large societal influences.

CDFS 690. Teaching Practicum. 1-3 Hours.
PR: Consent. Supervised practice in college teaching of child development and family studies. Note: This course is intended to insure that graduate assistants are adequately prepared and supervised when they are given college teaching responsibility. It also provides a mechanism for students not on assistantships to gain teaching experience. (Grading will be S/U.).

CDFS 693. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

CDFS 696. Graduate Seminar. 1 Hour.
PR: Consent. Each graduate student will present at least one seminar to the assembled faculty and graduate student body of his or her program.

CDFS 697. Research. 1-15 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading may be S/U.).

CDFS 698. Thesis or Dissertation. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (698), or dissertations (798). Grading is normal.

CDFS 930. Professional Development. 1-6 Hours.
Professional development courses provide skill renewal or enhancement in a professional field or content area (e.g., education, community health, geology). These tuition-waived continuing education courses are graded on a pass/fail grading scale and do not apply as graduate credit toward a degree program.
EDUCATIONAL PSYCHOLOGY COURSES

EDP 512. Research and Evaluation in Counseling. 3 Hours.
This course fulfills the Council for the Accreditation of Counseling and Related Educational Programs (CACREP) education and training standards related to research and program evaluation.

EDP 600. Educational Psychology. 3 Hours.
Designed for beginning graduate students. Psychological principles of learning and development as they relate to processes of instruction.

EDP 610. Measurement/Assessment for the Classroom Teacher. 3 Hours.
An examination and application of classroom testing and measurement principles in the assessment and evaluation of student performance.

EDP 611. Measurement/Evaluation in Educational Psychology. 3 Hours.
An introductory course in measurement and evaluation in educational psychology with an emphasis on the principles and procedures in conducting and analyzing educational measurement.

EDP 612. Introduction to Research. 3 Hours.
Basic concepts, strategies, methodologies, designs, and procedures of research in education. Major emphasis on integrating research designs, measurements, and statistics for initiating research projects, collecting and analyzing data, and interpreting and reporting findings.

EDP 613. Statistical Methods 1. 3 Hours.
Basic concepts of statistical models, distributions, probability, random variables, tests of hypotheses, confidence intervals, regressions, correlation, transformation, F and chi-square distributions, and analysis of variance and sample size.

EDP 614. Statistical Methods 2. 3 Hours.
PR: EDP 613. Extension of basic concepts of statistical models, design of experiments, multiway classification models, factorials, split plot design, simple covariance, orthogonal comparisons, multiple linear and nonlinear regression and correlation analysis, chi-square and nonparametric statistics.

EDP 617. Program Evaluation. 3 Hours.
PR: EDP 613 and SCFD 615. An awareness of the purposes, ethics, issues of design, methods, and models of program evaluation.

EDP 618. Mixing Research Methodologies. 3 Hours.
PR: EDP 612. Focus on choices available for and processes involved in mixing qualitative and quantitative research and evaluation methodologies.

EDP 619. Survey Research Methods. 3 Hours.
PR: EDP 613. Addresses how to design, implement, and analyze surveys for the purposes of social sciences research.

EDP 640. Instructional Design. 3 Hours.
Introduction to the major components of the instructional design process, from needs analysis through evaluation and implementation. Students will demonstrate the elements of the process with a design plan for an instructional project.

EDP 680. Capstone Seminar in Program Evaluation. 3 Hours.
PR: EDP 617. Emphasis on initiating and completing a program evaluation at the local, region or state level under guidance of instructor. Application of evaluative concepts, methods and theories as they relate to practice in different professions. Exposure to differing evaluation literature focused on theory and practice.

EDP 685. Practicum. 1-12 Hours.
PR: Consent.

EDP 691. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

EDP 693. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

EDP 695. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

EDP 697. Research. 1-15 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading may be S/U.).

EDP 698. Thesis or Dissertation. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (698), or dissertations (798). Grading is normal.

EDP 700. Psychological Foundations of Learning. 3 Hours.
Psychological foundations of major learning theories and their implications for instructional procedures.

EDP 702. Human Development and Behavior. 3 Hours.
Contemporary psychological literature on human development examined and analyzed. Research and theory are examined with emphasis on the implications for classroom behavior and the educational process. It is recommended that students complete EDP 600 prior to registering for this course.
EDP 703. The Adult Learner. 3 Hours.
Analysis of significant characteristics of adult behavior to be considered in planning for adult learning. Contemporary theories are analyzed with emphasis on their implications for the educational process. It is recommended that students complete EDP 600 or EDP 700 prior to registering for this course.

EDP 710. Thesis/Dissertation Bootcamp. 3 Hours.
PR: EDP 613 and SCFD 615. Identification of research problems in education, consideration of alternative designs and methods of investigation, and development of a thesis, dissertation, or other research proposal at the advanced graduate level.

EDP 711. Multivariate Methods 1. 3 Hours.
PR: EDP 614. General and generalized linear models; repeated measures analysis of variance for one- and two-way designs, split-plot/mixed analysis of variance, and profile analysis; multivariate analysis of variance, multivariate analysis of co-variance, and discriminant function analysis for one-way and two-way designs.

EDP 730. Cognition and Learning. 3 Hours.
Theories of knowledge representation including information processing models, learning strategies across content areas and transfer of learning strategies; additional focus on problem-solving, expertise, strategic reading, and strategy instruction.

EDP 731. Cognition in Social Contexts. 3 Hours.

EDP 740. Principles of Instruction. 3 Hours.
Basic principles of teaching-learning process implied in major learning theories; study of factors in learning, variables in instructional programming, and principles of instructional design.

EDP 790. Teaching Practicum. 1-3 Hours.
Supervised practice in college teaching of education psychology. Note: This course is intended to insure that graduate assistants are adequately prepared and supervised when they are given college teaching responsibility. It will also present a mechanism for students not on assistantships to gain teaching experience. (Grading will be S/U.)

EDP 791. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

EDP 792. Directed Study. 1-6 Hours.
Directed study, reading, and/or research.

EDP 793. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

EDP 794C. Seminar. 1-6 Hours.
Seminars arranged for advanced graduate students.

EDP 795. Independent Study. 1-9 Hours.
Faculty supervised study of topics not available through regular course offerings.

EDP 796. Graduate Seminar. 1 Hour.
PR: Consent. Each graduate student will present at least one seminar to the assembled faculty and graduate student body of his or her program.

EDP 797. Research. 1-15 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading may be S/U.)

EDP 798. Thesis or Dissertation. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (698), or dissertations. Grading is normal.

EDP 799. Graduate Colloquium. 1-6 Hours.
PR: Consent. For graduate students not seeking coursework credit but who wish to meet residency requirements, use the University's facilities, and participate in its academic and cultural programs. Note: Graduate students who are not actively involved in coursework or research are entitled, through enrollment in their department's 699/799 Graduate Colloquium to consult with graduate faculty, participate in both formal and informal academic activities sponsored by their program, and retain all of the rights and privileges of duly enrolled students. Grading is S/U, colloquium credit may not be counted against credit requirements for masters programs. Registration for one credit of 699/799 graduate colloquium satisfies the University requirement of registration in the semester in which graduation occurs.

EDP 930. Professional Development. 1-6 Hours.
Professional development courses provide skill renewal or enhancement in a professional field or content area (e.g., education, community health, geology.) These tuition-waived, continuing education courses are graded on a Satisfactory or Unsatisfactory grading scale and do not apply as graduate credit toward a degree program.