Education (EDUC)

Courses

EDUC 0815. Language in Society. 3 Credit Hours.
How did language come about? How many languages are there in the world? How do people co-exist in countries where there are two or more languages? How do babies develop language? Should all immigrants take a language test when applying for citizenship? Should English become an official language of the United States? In this course we will address these and many other questions, taking linguistic facts as a point of departure and considering their implications for our society. Through discussions and hands-on projects, students will learn how to collect, analyze, and interpret language data and how to make informed decisions about language and education policies as voters and community members. NOTE: This course fulfills the Human Behavior (GB) requirement for students under GenEd and the Individual & Society (IN) requirement for students under Core. Students cannot receive credit for this course if they have successfully completed any of the following: ANTH 0815/0915, Asian Studies 0815, Chinese 0815, CSCD 0815, EDUC 0915, English 0815, Italian 0815, PSY 0815, Russian 0815, or Spanish 0815.

Course Attributes: GB
Repeatability: This course may not be repeated for additional credits.

EDUC 0817. Youth Cultures. 3 Credit Hours.
Do you listen to hip hop, spend all your time in Second Life, dress up like a cartoon character and go to anime fairs, or go skateboarding every day with your friends? Then you're part of the phenomenon called youth culture. Often related to gender, race, class and socio-economic circumstances, youth cultures enable young people to try on identities as they work their way to a clearer sense of self. Empowered by new technology tools and with the luxury of infinite virtual space, young people today can explore identities in ways not available to previous generations. Students in this class will investigate several youth cultures, looking closely at what it means to belong. They will also come to appreciate how the media and marketing construct youth identities and define youth cultures around the world. NOTE: This course fulfills the Human Behavior (GB) requirement for students under GenEd and the Individual & Society (IN) requirement for students under Core. Students cannot receive credit for this course if they have successfully completed ANTH 0817, Education 0917 or SOC 0817.

Course Attributes: GB
Repeatability: This course may not be repeated for additional credits.

EDUC 0819. Tweens and Teens. 3 Credit Hours.
Exuberance, excitement, social expansion, risk-taking, experimentation, breaking away, testing limits. Anxiety, peer pressure, competition, parental pressure, work and school, drugs and alcohol, test scores. These are some of the challenges that make adolescence one of the most intriguing and disturbing stages of life. But adolescence is only one stage on a continuum of human development that begins in infancy and extends into old age. At each stage, we have hurdles to climb over, tasks to complete, experiences to absorb, lessons to learn. Yet in contemporary society the extended period between childhood and adulthood seems to capture all the attention. Why? This class on human development takes a close look at one of the most confusing, exciting, and critical phases of development, the pre-teen and teen years. Using literature, TV and film, as well as articles and books from the field of human development, the course will explore how children grow into teenagers, how they survive the challenges of adolescence, and how they become productive adults. NOTE: This course fulfills the Human Behavior (GB) requirement for students under GenEd and the Individual & Society (IN) requirement for students under Core. Students cannot receive credit for this course if they have successfully completed Education 0919.

Course Attributes: GB
Repeatability: This course may not be repeated for additional credits.

EDUC 0823. Kids, Community and Controversy. 3 Credit Hours.
Why does Philadelphia have a dropout rate of roughly 50%? Why have students brought weapons to school and plotted to kill their classmates? Why, despite decades of progress in race relations, do schools remain largely segregated institutions? These questions are derived from three pressing social problems in American society that play out in our schools: high school dropouts, school violence, and segregation. Using these questions and the larger issues to which they are related, students in this course will explore the multiple and often competing explanations for these and other social problems in American society. They will also learn about the search for creative solutions at the individual level as well as within our social structure. Guest speakers, observations within the Philadelphia school system, and analysis of films depicting these issues will enrich the course experience. NOTE: This course fulfills the Human Behavior (GB) requirement for students under GenEd and the Individual & Society (IN) requirement for students under Core.

Course Attributes: GB
Repeatability: This course may not be repeated for additional credits.
EDUC 0915. Honors Language in Society. 3 Credit Hours.
How did language come about? How many languages are there in the world? How do people co-exist in countries where there are two or more languages? How do babies develop language? Should all immigrants take a language test when applying for citizenship? Should English become an official language of the United States? In this course we will address these and many other questions, taking linguistic facts as a point of departure and considering their implications for our society. Through discussions and hands-on projects, students will learn how to collect, analyze, and interpret language data and how to make informed decisions about language and education policies as voters and community members. NOTE: This course fulfills the Human Behavior (GB) requirement for students under GenEd and Individual & Society (IN) for students under Core. Students cannot receive credit for this course if they have successfully completed any of the following: ANTH 0815/0915, Asian Studies 0815, Chinese 0815, CSCD 0815, EDUC 0815, English 0815, Italian 0815, PSY 0815, Russian 0815, or Spanish 0815.
Cohort Restrictions: Must be enrolled in one of the following Cohorts: SCHONORS, UHONORS, UHONORSTR
Course Attributes: GB, HO
Repeatability: This course may not be repeated for additional credits.

EDUC 0917. Honors Youth Cultures. 3 Credit Hours.
Some young people dye their hair red and go to punk concerts, listen to hip hop, spend all their time in Second Life, dress up like cartoon characters and go to anime fairs, or skateboard every day. They're part of the phenomenon called youth culture. Often related to gender, race, class and socio-economic circumstances, youth cultures enable young people to find new communities and try on different identities as they work their way to a clearer sense of self. Students in this class will investigate several youth cultures, looking closely at why people join and what it means to belong. They will also conduct independent, original research on a youth culture of their choice and draw their own conclusions about how youth cultures interact with mainstream society. (This is an Honors course.) NOTE: This course fulfills the Human Behavior (GB) requirement for students under GenEd and the Individual & Society (IN) requirement for students under Core. Students cannot receive credit for this course if they have successfully completed ANTH 0817, ASST 0817, Education 0817 or SOC 0817.
Cohort Restrictions: Must be enrolled in one of the following Cohorts: SCHONORS, UHONORS, UHONORSTR
Course Attributes: GB, HO
Repeatability: This course may not be repeated for additional credits.

EDUC 0919. Honors Tweens and Teens. 3 Credit Hours.
Exuberance, risk-taking, experimentation, breaking away, testing limits. Anxiety, peer pressure, competition, parental pressure, work and school, drugs and alcohol. These are some of the challenges that make adolescence one of the most intriguing and disturbing stages of life. But adolescence is only one stage on a continuum of human development that begins in infancy and extends into old age. At each stage, we have hurdles to climb over, tasks to complete, experiences to absorb, lessons to learn. This honors class on human development takes a close look at one of the most confusing, exciting, and critical phases of development, the pre-teen and teen years. Working individually and collaboratively, students will learn theoretical frameworks for interpreting their own experience and that of their peers. They will view media representations of adolescence and draw conclusions about how the media influence adolescents. Students will conduct original research on teen phenomenon and draw their own conclusions about whether identity is innate or a product of our environments. NOTE: This course fulfills the Human Behavior (GB) requirement for students under GenEd and the Individual & Society (IN) requirement for students under Core. Students cannot receive credit for this course if they have successfully completed Education 0819.
Cohort Restrictions: Must be enrolled in one of the following Cohorts: SCHONORS, UHONORS, UHONORSTR
Course Attributes: GB, HO
Repeatability: This course may not be repeated for additional credits.

EDUC 1017. Algebra and Algebraic Thinking for Educators. 4 Credit Hours.
This course will focus on key algebraic concepts, including polynomial, rational, and algebraic expressions, equations, and inequalities. Students engage in problem solving to build conceptual understandings of algebraic thinking, variables, and functions. Emphasis on transitions from arithmetic to algebra and links between data analysis and algebra.
Repeatability: This course may not be repeated for additional credits.

EDUC 1087. Pract International Educ. 1 to 12 Credit Hour.
Repeatability: This course may be repeated for additional credit.

EDUC 1176. Ed Sch & Indiv in US Soc. 3 Credit Hours.
Course Attributes: AC
Repeatability: This course may not be repeated for additional credits.

EDUC 1196. Education and Schooling in America. 3 Credit Hours.
The purpose of this writing intensive educational foundations course is to examine selected historical, philosophical and social issues that impact education in the United States. This course will examine the trends in educational studies as well as the political forces at work in the schools. The social and academic goals of education, the current conditions of the American educational systems, and the teaching profession will be addressed. This course presents an interdisciplinary analysis of education and schooling in the United States, examining how education policy has been shaped in the U.S., what important roles certain individuals, institutions and social groups have played in this process, how education policies have had differential impact on various groups. Enables students to study and critically evaluate schools as a significant social institution within the framework of American values and institutions. NOTE: This course can be used to satisfy a university Core American Culture (AC) and Writing Intensive (WI) requirement. Although it may be usable towards graduation as a major requirement or university elective, it cannot be used to satisfy any of the university GenEd requirements. See your advisor for further information.
Course Attributes: AC, WI
Repeatability: This course may not be repeated for additional credits.
EDUC 1255. Inclusive Education for a Diverse Society. 3 Credit Hours.
In Inclusive Education for a Diverse Society, students explore the role of culture in education in the United States. They learn about different definitions of culture and how culture is influenced by social, economic and political factors. Culture is viewed as dynamic and evolving and a major influence on the curriculum, policies and practices of schools. In addition, students learn about the close relationship between culture and learning and how teachers and education professionals are seeking to create positive learning environments for all students. Real situations are debated and discussed, and students are encouraged to contribute their own experiences and individual interpretations of events and strategies to the discussion.

Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education

Repeatability: This course may not be repeated for additional credits.

EDUC 1322. The Developing Individual across the Life Span. 3 Credit Hours.
This course provides an overview of the factors that have an impact on physical, cognitive and psychosocial development. Students study developmental theories and concepts and how they relate to patterns of change over the lifespan. Both typical and atypical development will be considered. Course work emphasizes the impact on educational practice.

Repeatability: This course may not be repeated for additional credits.

EDUC 2082. Undergraduate Independent Study. 1 to 3 Credit Hour.
Students will have an opportunity to pursue special topics in their content area or to develop an in-depth project designed to meet personal and program objectives.

Repeatability: This course may be repeated for additional credit.

EDUC 2103. Socio-cultural Foundations of Education in the United States. 3 Credit Hours.
This course will help students place their work with students in a broader social, political and economic context. It will introduce students to the history of education in the United States and to many of the issues that shape our schools and the ways children, parents, and teachers experience them. The course will focus particularly on the role of schooling in a democracy and the many demands Americans have placed - historically and currently - on the schools. It will also help students understand how issues of class, race, and gender are manifest in classrooms. Finally, it will provide students with an overview of the challenges facing urban schools and contemporary issues in school reform. Teachers will leave this course with a more robust understanding of the state of American education today, and how they as individuals and members of a profession can most effectively and ethically make a difference.

Repeatability: This course may not be repeated for additional credits.

EDUC 2109. Adolescent Development for Educators. 3 Credit Hours.
This course is designed to present information that would help prospective and practicing educators understand the minds and behaviors of middle and high school students. Emerging abilities in adolescents present both wonderful opportunities and challenges for teachers and parents. To understand how to connect with, manage and instruct adolescents, educators need to understand how adolescents think, what motivates them, and what they are capable of understanding. This course should prepare educators to correctly anticipate the likely consequences of their actions directed toward adolescents. NOTE: Background clearances required.

College Restrictions: Must be enrolled in one of the following Colleges: Education

Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education

Repeatability: This course may not be repeated for additional credits.

EDUC 2179. Knowing and Learning in Mathematics and Science. 3 Credit Hours.
This course focuses on issues of what it means to learn and know science and mathematics. What are the standards for knowing we will use? How are knowing and learning structured and how does what we know change and develop? For the science and mathematics educator, what are the tensions between general, cross-disciplinary characterizations of knowing (e.g. intelligence) and the specifics of coming to understand powerful ideas in mathematics and science? What are the links between knowing and developing in learning theory, and the content and evolution of scientific ideas? Also, current issues and tensions in education will be discussed, especially as it relates to mathematics and science instruction.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
SCTC 1289 Minimum Grade of C- May be taken concurrently.

EDUC 2205. Curriculum Instruction and Technology in Education. 3 Credit Hours.
"Curriculum, Instruction and Technology in Education" is one of the first in a series of courses designed to enable future teachers to develop skills of effective practice by engaging in and responding to authentic educational experiences. Students will observe authentic interactions among people in school environments. Students will develop learning objectives, and plan, deliver, and evaluate instruction in a simulated teaching/learning environment. The recording of simulated teaching and learning experiences is a primary component of the course. The recordings serve the dual purpose of allowing students to reflect and self-evaluate and providing the basis for peer-evaluation and instructor-student conferences. The development of several teaching skills, self-evaluation and reflection will create the opportunity for a lifetime of professional growth.

Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education

Repeatability: This course may not be repeated for additional credits.

EDUC 2211. English for Foreign Students. 3 Credit Hours.
The focus of this course is on English skills needed for instructional purposes. The course offers students opportunities to develop communicative skills necessary for successful teaching and information about teaching in U.S. institutions of higher education (e.g., syllabi, instructional formats, and legal issues, such as sexual harassment and plagiarism). NOTE: This course is for ITA students.

Repeatability: This course may not be repeated for additional credits.
EDUC 2212. English for Academic Purposes. 2 Credit Hours.
The purpose of this course is to improve graduate students' academic English and intercultural competence, necessary for successful participation in an academic environment. Students will work on developing their academic English skills through individual presentations and group discussions. NOTE: This course serves as the graduate school requirement for new international graduate students.
Repeatability: This course may not be repeated for additional credits.

EDUC 2214. Curriculum and Supervised Teaching K-12. 3 Credit Hours.
The primary intent of the course is to provide prospective teachers with an opportunity to study teaching practice in an urban public school context by working directly with experienced teachers. The course is organized as a series of seminars and in-school experiences in which students, through inquiry and critical reflection, construct their own understanding of teaching. Specific experiences enable students to develop personal perspectives about how teaching professionals think in action and use professional knowledge in situations of practice. NOTE: A field-based course generally taken in the senior year.
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
EDUC 2287|Minimum Grade of C-|May be taken concurrently.

EDUC 2224. Service Learning. 2 to 3 Credit Hours.
A course that helps students investigate what it means to be a community member and a teacher in a diverse, democratic society. The course combines reading, discussion, action in the community, and reflection in the context of addressing real community needs. In addition, students will begin to develop skills needed as a teacher to use service learning with his or her own students. In this course you will engage in literacy and numeracy activities with very young children in local head-start programs, while learning about the communities in which these program exist. NOTE: Students will work in community organizations or after school programs. Students should not register for a class immediately following EDUC 2224 (0224). Students should not sign up for EDUC 2289 (0225) at the same time as EDUC 2224 (0224).
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education
Repeatability: This course may not be repeated for additional credits.

EDUC 2255. Effective Use of Instructional Technology in Classrooms. 3 Credit Hours.
This course focuses on using technology to develop N-12 classroom applications to ensure effective teaching. Students are expected to begin to integrate technology into their teaching strategies. Students will develop technology competencies using modern technology to achieve this goal. Additional technology tools and software will be examined and reviewed for possible use in the N-12 classroom. Extensive internet work will be required.
Repeatability: This course may not be repeated for additional credits.

EDUC 2272. Instructional Practices in Middle Level Classrooms. 3 Credit Hours.
An in-depth exploration of most effective research-based diagnosis and instrumental practices for the contemporary middle level classrooms. Emphasis is upon a curriculum which recognizes the unique qualities of middle level learners.
Repeatability: This course may not be repeated for additional credits.

EDUC 2287. Practicum. 3 Credit Hours.
A first hand opportunity to explore teaching as a profession. Organized visits to elementary, middle, and high schools are combined with assigned readings and seminars. Critical inquiry and reflection will allow for one's essential personal commitment for success in teaching.
Repeatability: This course may be repeated for additional credit.

EDUC 2289. Field Experience: Managing the Contemporary Classroom. 3 Credit Hours.
Education 2289 introduces students to best practices in managing instruction and behavior in contemporary classrooms and to the principles that underlie those practices. Overall, the goal of the course is to ensure that students can identify and articulate the rationale for classroom routines and practices upon which effective instruction depends. This course requires students to spend two hours each week observing classes in an area school. NOTE: Students who are seeking certification in Special Education should enroll in EDUC 2489 (0226).
Repeatability: This course may be repeated for additional credit.

EDUC 2296. Effective Teaching: Theory and Practice. 3 Credit Hours.
EDUC 2296 introduces students to a selection of strategies - some theoretical, some practical - for improving student performance. Course assignments and activities derive from two assumptions - namely, that good planning contributes to good instruction and good instruction contributes to student learning.
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education
Course Attributes: W
Repeatability: This course may not be repeated for additional credits.

EDUC 2306. Assessment and Evaluation. 3 Credit Hours.
Students will learn how to develop and use a variety of evaluation methods to monitor student academic achievement and teaching effectiveness. Special emphasis will be placed on relating evaluations to curriculum and instruction. Students will learn about standardized tests and other diagnostic tools frequently encountered and/or used by classroom teachers. Particular attention will be given to adapting assessments to meet the needs of all students. Students will plan, construct, administer, and analyze data for a diagnostic evaluation of achievement for a content unit. Contemporary issues related to testing, grading, evaluation, and accountability will be addressed.
College Restrictions: Must be enrolled in one of the following Colleges: Education
Repeatability: This course may not be repeated for additional credits.
EDUC 2489. Field Experience: Special Education. 3 Credit Hours.
This course is designed to teach basic techniques for managing your classroom. While emphasis is placed on applied behavior analysis, other approaches will also be discussed. In addition, there will be a section on autistic spectrum disorders.
Repeatability: This course may not be repeated for additional credits.

EDUC 4038. Assessment of Curr & Instr. 3 Credit Hours.
Repeatability: This course may not be repeated for additional credits.

EDUC 4111. Classroom and Conflict Management in Grades 4 through 12. 3 Credit Hours.
One of the National Education Goals is the creation of safe and constructive learning environments. Educators are increasingly aware of the need to build community in classrooms and schools in order to help students have such environments. A key component of that is conflict resolution education. This course introduces students to the broad field of conflict resolution education (including classroom management, social and emotional learning, anti-bullying programs, peer mediation, negotiation processes, expressive arts, restorative justice programs, and bias/diversity/cultural awareness programs). AOD 2115 provides students with examples of programs, gives them an opportunity to interact with experts in the field, and encourages them to consider how they can support and utilize these programs as teachers and administrators. Particular emphasis will be placed on understanding how to design and implement conflict resolution and social emotional learning programs that address the developmental needs of adolescents and the middle school environment.

College Restrictions: Must be enrolled in one of the following Colleges: Education
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education
Repeatability: This course may not be repeated for additional credits.

EDUC 4288. Student Teaching in Elementary/Special Education. 9 to 11 Credit Hours.
Practicum for full-time students and education majors who have completed all other program requirements. NOTE: There is a $50 fee associated with all sections and numbers of student/supervised teaching. Student Teaching Applications are now online at www.temple.edu/education/studentteaching/index.html. Obtain your advisor's signature and return the completed application to the CITE Department advisor, 359 Ritter Hall.
College Restrictions: Must be enrolled in one of the following Colleges: Education
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education
Cohort Restrictions: Must be enrolled in one of the following Cohorts: EDCNDCY
Co-requisites: EDUC 4801
Repeatability: This course may be repeated for additional credit.

EDUC 4388. TTeach Apprentice Teaching. 6 Credit Hours.
The purpose of Apprentice Teaching is to offer TTeach students a culminating experience that provides them with the tools needed for their first teaching jobs. Apprentice teachers maintain their role as teacher for the equivalent of two six-week grading periods. Apprentice Teaching students are required to teach two sections of a science, math, or computer science class in a public middle or high school. They remain on the school campus a minimum of four hours per day. Students are evaluated throughout Apprentice Teaching, including two evaluations (formative and summative) on the PA Department of Education (PDE) 430 Form. To pass this assessment, students must receive a satisfactory rating in each of the 4 categories resulting in a minimum total of at least 4 points on the final summative rating. Apprentice Teaching reinforces and augments teaching strategies that students have developed through their coursework and field experiences. The program also attempts to fill in any gaps in students' professional development. In particular, Apprentice Teaching focuses on classroom management and time management strategies, parent/teacher communication strategies, school culture and school dynamics that make up an effective middle school and high school system, legal and logistical issues in teaching, the final portfolio, and state certification requirements. TTeach apprentice teachers explore professional development opportunities beyond the classroom, including attending conferences, subscribing to education journals, joining professional organizations, and conducting presentations in educational settings. The goal of Apprentice Teaching is to provide the experiences, information, and coaching that will enable students to be successful teachers who are leaders in their schools and communities.

Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: TTeach
Cohort Restrictions: Must be enrolled in one of the following Cohorts: EDCNDCY
Co-requisites: EDUC 4802
Repeatability: This course may be repeated for additional credit.

EDUC 4389. Field Experience. 1 to 6 Credit Hour.
The goal of the field experience course is to allow students to apply what they have learned in Secondary Education courses in a school. Students will observe, assist, tutor, and/or instruct in schools or an education-related setting.
College Restrictions: Must be enrolled in one of the following Colleges: Education
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education
Cohort Restrictions: Must be enrolled in one of the following Cohorts: EDCNDCY
Repeatability: This course may be repeated for additional credit.
EDUC 4488. Student Teaching in Elementary/Special Education/Early Childhood Education. 9 to 11 Credit Hours.
Students are admitted to student teaching only after their records and potential for success have been reviewed by the program faculty. Students will work under the guidance of cooperating teachers and Temple supervisors. NOTE: There is a $50 fee associated with all sections and numbers of student-supervised teaching. Student Teaching Applications are now online at www.temple.edu/education/studentteaching/index.html. Obtain your advisor's signature and return the completed application to the CITE Department advisor, 359 Ritter Hall.

College Restrictions: Must be enrolled in one of the following Colleges: Education
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education
Cohort Restrictions: Must be enrolled in one of the following Cohorts: EDCNDCY
Co-requisites: EDUC 4801
Repeatability: This course may be repeated for additional credit.

EDUC 4588. Student Teaching in Elementary Education/Early Childhood Education. 9 to 11 Credit Hours.
Involves a school placement where students demonstrate their knowledge of and competence in early childhood teaching, birth through 3rd grade (N-3). Students work with a certified cooperating teacher and are supervised by a Temple University faculty member. NOTE: All coursework must be completed before taking this course. There is a $50 fee associated with all sections and numbers of student-supervised teaching. Student Teaching Applications are now online at www.temple.edu/education/studentteaching/index.html. Obtain your advisor's signature and return the completed application to the CITE Department advisor, 359 Ritter Hall.

College Restrictions: Must be enrolled in one of the following Colleges: Education
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education
Cohort Restrictions: Must be enrolled in one of the following Cohorts: EDCNDCY
Co-requisites: EDUC 4801
Repeatability: This course may be repeated for additional credit.

EDUC 4688. Student Teaching in Secondary Education. 9 to 11 Credit Hours.
Students are admitted only after they give evidence of appropriate professional maturity and the potential for success. NOTE: All coursework must be completed before taking this course. There is a $50 fee associated with all sections and numbers of student-supervised teaching. Student Teaching Applications are now online at www.temple.edu/education/studentteaching/index.html. Obtain your advisor's signature and return the completed application to the CITE Department advisor, 359 Ritter Hall.

College Restrictions: Must be enrolled in one of the following Colleges: Education
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education
Cohort Restrictions: Must be enrolled in one of the following Cohorts: EDCNDCY
Co-requisites: EDUC 4801
Repeatability: This course may be repeated for additional credit.

EDUC 4788. Student Teaching in Secondary Education/Career Technical Education. 3 to 9 Credit Hours.
Involves a full-time school placement where students demonstrate their knowledge of and competence in teaching discipline-specific subject matter to students in grades 7-12, and in some cases, K-12. Students work with a certified cooperating teacher and are supervised by a Temple University faculty member. NOTE: All coursework must be completed before taking this course. There is a $50 fee associated with all sections and numbers of student-supervised teaching. Student Teaching Applications are now online at www.temple.edu/education/studentteaching/index.html. Obtain your advisor's signature and return the completed application to the CITE Department advisor, 359 Ritter Hall.

College Restrictions: Must be enrolled in one of the following Colleges: Education
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education
Cohort Restrictions: Must be enrolled in one of the following Cohorts: EDCNDCY
Co-requisites: EDUC 4801
Repeatability: This course may be repeated for additional credit.

EDUC 4801. Senior Seminar and Performance Assessment. 3 Credit Hours.
Students will be involved in experiences that prepare them for making the transition from college to the practice setting, and engage in activities that foster professionalism in school and community settings. The senior performance assessment, which is a requirement for teacher certification students, is also a part of the course. NOTE: This is a required course for all teacher certification candidates, which is taken during the student teaching semester.

College Restrictions: Must be enrolled in one of the following Colleges: Education
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Clearance for Education
Cohort Restrictions: Must be enrolled in one of the following Cohorts: EDCNDCY
Co-requisites: EDUC 4801
Repeatability: This course may not be repeated for additional credits.

EDUC 4802. TUteach Apprentice Teaching Seminar. 1 Credit Hour.
Students will be involved in experiences that prepare them for making the transition from college to the practice setting, and engage in activities that foster professionalism in school and community settings. The senior performance assessment (SPA), which is a requirement for teacher certification students, is also a part of the course. NOTE: This is a required course for all teacher certification candidates, which is taken during the apprentice teaching semester.

Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: TUteach
Cohort Restrictions: Must be enrolled in one of the following Cohorts: EDCNDCY
Co-requisites: EDUC 4388
Repeatability: This course may not be repeated for additional credits.
EDUC 5010. Special Topics in Education. 1 to 4 Credit Hour.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 5011. Entrepreneur Thinking-Ed. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5101. Critical Understanding of Social Science Research. 3 Credit Hours.
This is an introductory course in understanding research for graduate students who will primarily be consumers of research, such as Masters and Specialist students. It will also serve as an introduction to research for doctoral students in applied fields (EdD and PsyD), who may go on to do applied research and take other research courses such as Program Evaluation or Single-Subject Research. It introduces students to the principles of social scientific research and the components of the research process. We also discuss the ethical issues inherent within any research involving human subjects. Conceptual, procedural, and analysis issues from quantitative, qualitative, and mixed methods research traditions will be covered, ranging from clinical trials and experimental designs to ethnographies in real-life settings. Because the scope of the course is quite broad, it will not be possible to cover all of the details of every design and method used in educational research. Nevertheless, by the end of the course you should be aware of a range of procedures that may be applied to different types of educational studies. You will also be aware of the guidelines that should be used in selecting a set of appropriate research methods and in evaluating research. You will also learn about the role of theory in educational research and how theoretical and conceptual frameworks inform research questions and the choice of data and methods.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5115. The Context of Education. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5203. Effective Teaching: Theory and Practice. 3 Credit Hours.
Provides theoretical and research basis for effective teaching strategies and affords the opportunity to practice the skills in simulated classroom conditions. Emphasizes the mastery of each skill. Exposure to a variety of teaching procedures and to a choice of the most appropriate strategy in a given educational situation.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5204. Literacy N-6. 3 Credit Hours.
Examines theoretical models in reading and language arts and their applications to early childhood/elementary and classroom practices, K-6. Provides opportunities for students to focus on developmental and application issues in literacy learning, the integration of reading and language arts, and alternative assessment techniques.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5205. Numeracy N-12. 3 Credit Hours.
A study of how numeric concepts and computational logic contribute to science, social studies, English language arts, and other subject areas. Students in various disciplines learn how to apply these concepts and logic to their own classrooms.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5207. Early Childhood/Elementary Environments and Learning. 3 Credit Hours.
Guides students as prospective early childhood/elementary teachers in establishing and maintaining learning environments for children. Research based principles for effective teaching and developmentally appropriate curriculum practices are presented and supported with authentic classroom based examples. Helps students utilize proven systematic approaches that will enable them to organize, conduct, and evaluate instructional practices in preschool and elementary settings. Guided by two beliefs: (1) that students need to engage actively with the concepts presented in the course outline, and (2) that students should be exposed first hand to the realities of teaching in urban settings.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5211. Creating a High School Learning Community. 3 Credit Hours.
Utilizes the natural and social sciences jointly as the vehicle to exemplify to the student (1) the processes associated with stimulating the learners’ integration of thinking skills toward higher order problem resolution, and (2) the strategies aimed at socialization of the learners into a learning community
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
EDUC 5212. Curriculum, Instruction, and Technology in Education. 3 Credit Hours.
This 3 semester hour graduate course provides an introduction to the concepts, theories, and practices that address the linkages between the curriculum, instruction and technology. In particular, this course focuses on the implementation, management, and administration of technology infrastructure (hardware and software) at the building, school, and district levels.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5215. Standards & Tchg Pract. 1 to 3 Credit Hour.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5221. English for Foreign Students. 3 Credit Hours.
The focus of this course is on English skills needed for instructional purposes. The course offers students opportunities to develop communicative skills necessary for successful teaching and information about teaching in U.S. institutions of higher education (e.g., syllabi, instructional formats, and legal issues, such as sexual harassment and plagiarism). Note: This course is for ITA students.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5229. Crit Thk Val Clar & Inq. 1 to 3 Credit Hour.
This course examines the tension that exists between curriculum requirements (especially as measured by high stakes testing) and the need to teach students critical thinking and responsibility. Participants will incorporate classroom climate techniques (character education, anti-bullying programs, etc.) into their curriculum development and their instructional planning.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5231. Col Studies AT2 (CSAT 2). 1 to 3 Credit Hour.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5232. Col Studies AT3 (CSAT 3). 1 to 3 Credit Hour.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5241. Comp Rdg Instruction. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5242. Lit for Mid Level Learnr. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5243. Col Studies AT1 (CSAT1). 1 to 3 Credit Hour.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5244. Class Discourse. 3 Credit Hours.
The purpose of this course is to provide doctoral students with the theory and framework to study classroom discourses. According to Gee (1989), discourse "integrates words, acts, values, beliefs, attitudes, and social identities as well as gestures, glances, body positions, and clothes" (p. 7). In this broad context, we will examine student discourses in reading/language arts, mathematics and science in both in school and out-of school contexts. We use vignettes from Courtney Cazden's text as a model to critique classroom discourses among teachers and students. We also examine transcribed texts to find linguistic patterns in reading, mathematics and science classrooms. Finally, we use rubrics to judge the quality of classroom discourses to illustrate content knowledge.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5254. Characteristics of Computer-Based Instruction. 3 Credit Hours.
Application of computer technology in instructional programs. Discusses prospects and problems of the uses of computers and other technologies (e.g., interactive whiteboards) in support of direct instruction, management, and testing. Hands-on experience is included.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5255. Tech in Classrooms: TPCK. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5257. Elem Sch Rdg Instr. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
EDUC 5258. Second Sch Read Inst. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5259. Tch Rdg & Lang to Spec. 3 Credit Hours.
This course focuses on understanding a) reading, b) reading problems, c) assessment strategies, and d) effective, research-based, teaching practices for students with special needs. “Students with special needs” includes but is not limited to those with poor reading, writing, and speaking skills, learning disabilities, and cultural, economic, and language differences. The goal of the course is to provide each student with first-hand knowledge, skills, and solutions to address children's reading problems. Questions that guide this course include: What are the causes of low language and literacy abilities among students? How do we assess students with poor reading and writing skills? What reading and language arts strategies are most effective with students with special needs? What education and psychology of reading theories inform these practices? How can we practice inclusion during reading and language art lessons? What additional services are available to support all children's success in the classroom?
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5261. Beginning Rdg Instruct. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5262. Qualitative Res in Ed. 3 Credit Hours.
Several qualitative research designs will be reviewed, including discussions of phenomenology, grounded theory, interpretive paradigm, narratives, histories, and ethnography. Research strategies/methods will be critiqued, including interviewing, participant-observation, and textual/content analysis. Important concepts for this course are appropriate research questions, study design, data collection methods, data management, managing the study, data analysis, interpretation of results, and presenting the study to peers. Qualitative data analysis will be introduced, but the emphasis is on research design and data collection. Combining qualitative and quantitative data will also be discussed.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5272. Instl Pract Middle Class. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5275. Seminar in Supervised Teaching. 3 Credit Hours.
Describes basic principles of human behavior in relation to managing classrooms and the teaching of academic skills. Examples of successful applications of the principles are provided. Students required to use the principles and procedures in their classrooms and to report the outcomes to the participants in the class.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5287. Practicum in Teaching. 3 Credit Hours.
Introduces students to the process of teaching children in an elementary or high school environment. Under the direction of a Temple University faculty member, the student observes elementary or high school students in a variety of situations. Classroom discussions are held in conjunction with observed events and suggestions are made as to how to deal with a variety of management and academic problems. The course is a prerequisite to ED 406 and 412, and is taken in conjunction with ED 403 at the start of the student's program.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credit.

EDUC 5325. Introduction to Statistics and Research. 3 Credit Hours.
An introductory course which focuses on basic research and statistical concepts. The course will cover both descriptive and inferential statistics from the perspective of an informed consumer of empirical research. There are no prerequisites for the course. The purpose of this course is to enable students to interpret and use a variety of descriptive and inferential statistical procedures that are commonly used in education and the social sciences. Topics covered in the course include an introduction to research design, sampling, descriptive statistics, t-test, Pearson correlation, univariate analysis of variance, and non-parametric statistical tests. Emphasis will be on the proper use and interpretation of these statistical procedures. The course does not emphasize the calculation of statistics, and mathematical sophistication is not assumed.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5401. Intro to Middle School. 3 Credit Hours.
This course will introduce you to the middle school concept. Characteristics of middle schools will be discussed, including teaming, interdisciplinary units, and literacy across the content areas. Important aspects of the middle school environment, such as collaborating with specialists and creating a learning environment in the classroom, will be emphasized. Field experiences will be in the form of focused observations and interviews.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
EDUC 5402. Child and Adol Develop. 3 Credit Hours.
This course will focus on issues of child and adolescent development that are relevant for educators. Development (e.g., physical, cognitive, social) and learning theories will be examined through discussions of theory and research. Particular attention will be paid to the early adolescent. Field-based experiences, in the form of focused observations and interviews, will support these discussions. Group and individual differences will be emphasized.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5403. Diverse Lns in Class. 3 Credit Hours.
Through this course, students will gain expertise in applying best practices to ensure access, equity, and quality education for all students. This course will introduce you to the characteristics and special needs of students having disabilities and of students who are culturally and linguistically diverse. The complex and critical issues surrounding inclusive and heterogeneous schooling will be examined along with the establishment of collaborative relationships with fellow colleagues, members of the school community and families. This course provides an overview of theory, research and practice in teaching culturally and linguistically diverse students in the middle grades. Students will learn about the socio cultural characteristics of ELLS and how the process of acquiring multiple languages and literacy skills affects students' learning of academic content. Students will be introduced to approaches for adapting science and math content for English language learners.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate

EDUC 5406. Teach Math Middle Gr II. 3 Credit Hours.
This course is part of a sequence of courses within the e=mc2 Transition to Teaching graduate certification program. This course will be taught in the third semester for those in the mathematics track. This course will focus on geometry, measurement, and data, as appropriate for the middle grades. This continuation course will again focus on the particular pedagogical knowledge needed for teaching, including issues of planning, instruction, and assessment. Field experience will be in the form of student teaching, and this course will allow for reflection on this experience. Support will be provided for student motivation, classroom management, and other realities of teaching.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5407. Teach Sci Middle Gr II. 3 Credit Hours.
This course is part of a sequence of courses within the e=mc2 Transition to Teaching graduate certification program. This course will be taught in the third semester for those in the science track. This course will focus on issues of child and adolescent development that are relevant for educators. Development (e.g., physical, cognitive, social) and learning theories will be examined through discussions of theory and research. Particular attention will be paid to the early adolescent. Field-based experiences, in the form of focused observations and interviews, will support these discussions. Group and individual differences will be emphasized.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5408. St Tchg in Middle Grade. 3 Credit Hours.
This field experience involves 9 weeks of full-time student teaching. Prospective teachers will be placed in a middle grades mathematics or science classroom, where they will work under the guidance of a mentor teacher. Experiences include observing, assisting, and delivering whole class instruction. NOTE: All coursework must be completed before taking this course.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5409. Research Methods and Induction Capstone. 3 Credit Hours.
This course will provide a vehicle to synthesize learning, reflect on experiences throughout the program, and consider issues related to the first year of teaching. Special topics include behavior problems, teacher stress, first year of teaching, professional development, and action research.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 5488. Supervised Teaching. 3 or 4 Credit Hours.
Involves full-time placement in an elementary or secondary school for the entire semester. Students with paid teaching positions may use the school site; others are placed in a school and work with a cooperating teacher. All students supervised by Temple University faculty member.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.
EDUC 8102. Qualitative Data. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8103. Contemporary Trends in Educational Research. 3 Credit Hours.
The purpose of the course is to provide a fundamental step in the development of a research orientation of educational phenomena through introducing
students to the domain of educational research and to the kind of research questions asked by educational researchers when assuming disciplinary as
well as interdisciplinary perspectives.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8104. Epistemology and Method in Educational Research. 3 Credit Hours.
The purpose of the course is to provide a fundamental step in the development of a research orientation of educational phenomena through introducing
students to the epistemological foundations and research methods of educational research.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8232. Technology, Teaching, and Learning. 3 Credit Hours.
Focuses on educational technologies and the ability of technology to enhance both program administration and teaching and learning for youth and
adults in school and non-school settings. The ethical, social, and scientific ramifications of technological developments in education and how these
developments affect the teaching and learning process are discussed. Application of instructional technologies in education, business, and industry
presented.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8251. Teacher Development: The Reflective Teacher. 3 Credit Hours.
Designed for practitioners interested in enhancing their skills of reflection with an eye on improving classroom practice. The fundamental components
of teaching and learning will provide the foci for discussion, inquiry and reflection. The course will be largely experiential, providing participant's ample
opportunity to participate directly in activities designed to provoke introspection and critical analysis.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8252. Cultural Diversity and Learning Styles. 3 Credit Hours.
This course rests on three premises: (1) Because differences among learners affect learning, those differences should inform teaching, (2) Master
teachers make informed judgments about learners’ needs and interests, and (3) Master teachers use both these judgments and student performance
data to inform instruction. This course aims to encourage teachers to consider the usefulness of these three premises for improving student
performance.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8253. Accom Tchr: Nbpts Process. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8271. Program Planning and Evaluation. 3 Credit Hours.
Program planning and evaluation are viewed and discussed from a lifespan perspective that incorporates program planning and evaluation for school,
post-secondary and higher education, continuing education, community-based, and training and development settings. Students are encouraged to
apply program planning content and processes in real educational settings, which may be school or community based.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8272. Adv Classroom Mgt. 3 Credit Hours.
Students will study many of the teacher-controlled environmental variables which influence learning in the classroom. Particular emphasis will be placed
on discovering and assessing practical and theoretical instructional strategies related to behavior management, classroom organization, differentiated
and adapted teaching techniques, lesson design, motivation, and assessment Techniques used will include teacher presentations, discovery learning,
panel discussions, cooperative learning structures, group and individual projects. Assessment will be based on course participation and a summative
portfolio.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8273. Adv Coop Learning. 3 Credit Hours.
Through readings, lectures, class discussion and instructor-led activities, students enrolled in this course will be able to (1) describe research-based
outcomes achievable through cooperative learning and (2) design and implement a number of practical, cooperative learning models for achieving
specific learning objectives.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
EDUC 8274. Curmt Issu/Curr & Instruc. 2 to 3 Credit Hours.
This course invites students to thoughtfully review what is currently considered best instructional practices. Special emphasis will be given to the organization, management, and evaluation of instruction.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8275. Research Design in CITE. 3 Credit Hours.
Students are provided with practical experience in formulating research problems and designing appropriate methods to address those problems within a lifelong perspective of education and learning. An overview of various research designs, including both qualitative and quantitative designs are conducted. Students are expected to learn how to design research.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8276. International Ed Seminar. 1 to 9 Credit Hour.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8278. Found Theor Res Reading. 3 Credit Hours.
This course will examine influential theories and research that address the psychological, cognitive, sociocultural, literary and linguistic foundations of reading. During the first part of the course we will consider how leading and often competing reading theories developed over time as well as how seminal research studies were conducted and considered by scholars, practitioners and policy makers. From there we will then focus on research propelling current conversations in the literacy field.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8279. Found Theor Res Writing. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8289. Capstone Seminar Cur Iss. 3 Credit Hours.
This course, taken near the end of the program, will focus on current educational issues and the research surrounding them. In addition, it will include an experiential activity that will form a bridge between the student's career and the coursework of this program, especially the student's specialization or focus.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8545. Social Cntxt Math Sci Ed. 3 Credit Hours.
This course examines research from a socio-cultural perspective on mathematics and science education. We will investigate research on students’ everyday mathematics and science and its relationship to learning these subjects in schools; the relationship between culture, language, and mathematics teaching and learning; and issues of race, social class, and gender in mathematics and science education. Finally, we will examine how national, state, and local policies influence mathematics and science teaching and learning, with particular attention placed on issues of equity and access.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8727. Foundations Math Sci Ed. 3 Credit Hours.
This course will introduce students to the foundations of math and science education. It will examine trends in the history of math and science education, consider major philosophical arguments about learning math and science, and analyze the portrayal of math and science in the K-12 classroom. Simultaneously, we will focus on what it means to do math and science and on understanding the practices and habits of minds of mathematicians and scientists.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 8730. Res Topics Sci Ed. 3 Credit Hours.
This doctoral level course will explore current research in science education. Key questions will be explored and current literature on that topic will be read and critiqued. Faculty in the program area will alternate teaching this course and the topics will vary from year to year. As a result, this course can be taken up to 3 times. Topics that this course will explore are demonstrations in the classroom, scientific inquiry, professional development, classroom-based research, technology in the science classroom among other topics.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 8731. Psych of Learning Math. 3 Credit Hours.
This doctoral seminar will focus on psychological theory and research relating to the learning and teaching of mathematics. The main emphasis will be on developing solid conceptions of what it means to know and understand mathematics from a psychological perspective.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
EDUC 9255. Res.Seminar/Math/Sci Ed. 3 Credit Hours.
This three credit graduate course will introduce you to a subset of major research lines emerging in the fields of mathematics and science education. We will examine the research literature to understand the “hot topics,” focusing on those that are currently in debate in the fields. While the course will be focused around topics that affect both fields, readings will help us understand how these topics are being conceptualized in the individual areas of science education and mathematics education. In addition to these topics, this course will continue building and developing the skills that doctoral students will need in order to be successful in their graduate programs and in their professional lives. In particular, this course will focus on developing skills related to writing integrated reviews of research, necessary both for your dissertation and publication. Specific skills focused on in this course will be: situating your research within a larger context (i.e., asking meaningful and answerable (!) questions), identifying focus of specific journals, and writing a critical literature review.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

EDUC 9257. Problems in Education. 1 to 6 Credit Hour.
Limited to matriculated doctoral students and those with permission of instructor. Specified problems, research, and practice in education. May be repeated for credit when approved by the instructor. Specific offering changes from semester to semester; contact advisor.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9282. Graduate Independent Study in Curriculum, Instruction, and Technology. 1 to 6 Credit Hour.
Limited to matriculated doctoral students and those with permission of instructor. A course intended to meet the needs of students who desire to carry on individual investigation.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9287. Practicum Corr Remed. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9288. Instr. Pract: Corr/Remed. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9289. Fieldwork Disabilities Sty. 1 to 6 Credit Hour.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9487. Pract: Program Supv.. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9489. Field Exp & Practicum. 3 to 6 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9587. Prac Intro to Diagnosis. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9991. Research Apprenticeship. 1 to 3 Credit Hour.
Working under the close mentorship of a faculty member, students actively engage in research and produce a scholarly product such as a submission to an academic conference, an article or chapter or a grant proposal.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9993. Master’s Comprehensive Examination. 1 to 6 Credit Hour.
This course is for the Master’s comprehensive examination in the College of Education. You should register for the section specific to your advisor.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
College Restrictions: Must be enrolled in one of the following Colleges: Education
Repeatability: This course may be repeated for additional credit.

EDUC 9994. Preliminary Examination Preparation. 1 to 6 Credit Hour.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9996. Thesis Credits: Masters. 1 to 6 Credit Hour.
Students complete a thesis or project under the supervision of their advisor.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.
EDUC 9998. Dissertation Proposal Design. 3 Credit Hours.
Proposal writing. Limited to those who have passed the Preliminary Exams. Repeatable.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

EDUC 9999. Doctor of Education Dissertation. 1 to 6 Credit Hour.
Dissertation research. Limited to those elevated to candidacy/class 9.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Dissertation Writing Student
Repeatability: This course may be repeated for additional credit.

EDUC A000. Elective. 0 Credit Hours.
Repeatability: This course may not be repeated for additional credits.