EDUCATION | SCHOOL OF TEACHING AND LEARNING

Not all courses are offered every semester. Refer to the schedule of courses for each term's specific offerings. More Info

Courses

**ARE 4940 Student Teaching in Art Education** 4-12 Credits
Student-teaching classroom experience in art. (S-U)
Prereq: minimum 2.5 GPA and art education major.

**EDF 3609 Sociological and Historical Foundations of Education** 3 Credits
A sociological and historical analysis of schooling in American society. Aims of education are examined in relation to social structures, institutions and values; subcultures; social stratification; school law; and democracy and the sociology of the teaching profession.
Prereq: department permission for freshman/sophomore-level students.

**EDF 3514 History of Education in the United States** 3 Credits
The development of American schools and major problems in American education; emphasizes the relationships among the schools, intellectual movements and social institutions. (H)
General Education - Humanities

**EDF 3604 Social Foundations of Education** 3 Credits
Educatve effects of social structures and social values and the issues involved in appraising these effects, including the resulting social demands upon schools.
General Education - Social Science

**EDF 3609 Sociological and Historical Foundations of Education** 3 Credits
A sociological and historical analysis of schooling in American society. Aims of education are examined in relation to social structures, institutions and values; subcultures; social stratification; school law; and democracy and the sociology of the teaching profession.
Prereq: department permission for freshman/sophomore-level students.

**EDF 3630 Schools on Screen: American Education in Popular Media** 3 Credits
Explores how the movies and television have portrayed educators and students over time; investigates the ways in which those representations have helped to shape popular impressions of American schooling.
Prereq: EDF 3604.

**EDG 4003 Global Issues in K-12 Education** 3 Credits
Overview of current global issues and strategies for incorporating them into the K-college curriculum.

**EDG 4203 Elementary and Secondary Curriculum** 3 Credits
Purposes, organization, curriculum and issues of elementary and secondary schools and roles of educators.

**EDG 4910 Education Undergraduate Research** 0-3 Credits
Supports mentored scholarship work that enables individual students to engage in the research process of posing questions, collecting and analyzing data, drawing evidence-based conclusions and communicating the results to others. Projects may involve inquiry, design, investigation, scholarship, discovery or application depending on the topic. (S-U)

**EDG 4930 Special Topics** 1-4 Credits
Topics vary.

**EME 2040 Introduction to Educational Technology** 3 Credits
Introduces computer productivity (word processing, databases, spreadsheets, painting, drawing, layouts); multimedia (media design, digital video, presentation); communications (internet, Eric); educational software (computer-aided instruction, public domain software); interactive media (linked environments, one-to-many, presentations using electronic tools); reference materials (electronic encyclopedia, atlases, clip art, libraries, internet); instructional applications (techniques); and ethical.

**EME 3319 Design and Development of Educational Multimedia** 3 Credits
Introduces the principles, methods, and tools for the design and development of multimedia applications, including incorporation of sound, animation, still images, video, and other media in educational technology.
Prereq: EME 3813.

**EME 3813 Technology-Enhanced Learning Environments** 3 Credits
Analyzes how people learn in technology-enhanced environments, outlines how the design of technology-enhanced systems can support or undermine learning, and considers critical issues for instructors, designers, and learners in the digital age.
Prereq: EME 2040.

**EME 4010 Distance Education Research and Practice** 3 Credits
Examines the concepts, technologies, and issues related to the analysis, design, development, implementation, policy-making, and evaluation of distance education courses and programs. Create an online module based on design principles and quality guidelines.
Prereq: EME 3813.

**EME 4320 Instructional Development for Teaching and Learning** 3 Credits
Design and develop instructional materials using emerging technologies. Topics include programming, authoring packages, design principles, and development procedures. Development includes web-based and mobile-based authoring and programming activities.
Prereq: EME 4673.

**EDF 3604 Social Foundations of Education** 3 Credits
Educatve effects of social structures and social values and the issues involved in appraising these effects, including the resulting social demands upon schools.

**EDF 3514 History of Education in the United States** 3 Credits
The development of American schools and major problems in American education; emphasizes the relationships among the schools, intellectual movements and social institutions. (H)
General Education - Humanities

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General Education - Social Science

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Topics vary.

**EME 2040 Introduction to Educational Technology** 3 Credits
Introduces computer productivity (word processing, databases, spreadsheets, painting, drawing, layouts); multimedia (media design, digital video, presentation); communications (internet, Eric); educational software (computer-aided instruction, public domain software); interactive media (linked environments, one-to-many, presentations using electronic tools); reference materials (electronic encyclopedia, atlases, clip art, libraries, internet); instructional applications (techniques); and ethical.

**EME 3319 Design and Development of Educational Multimedia** 3 Credits
Introduces the principles, methods, and tools for the design and development of multimedia applications, including incorporation of sound, animation, still images, video, and other media in educational technology.
Prereq: EME 3813.

**EME 3813 Technology-Enhanced Learning Environments** 3 Credits
Analyzes how people learn in technology-enhanced environments, outlines how the design of technology-enhanced systems can support or undermine learning, and considers critical issues for instructors, designers, and learners in the digital age.
Prereq: EME 2040.

**EME 4010 Distance Education Research and Practice** 3 Credits
Examines the concepts, technologies, and issues related to the analysis, design, development, implementation, policy-making, and evaluation of distance education courses and programs. Create an online module based on design principles and quality guidelines.
Prereq: EME 3813.

**EME 4320 Instructional Development for Teaching and Learning** 3 Credits
Design and develop instructional materials using emerging technologies. Topics include programming, authoring packages, design principles, and development procedures. Development includes web-based and mobile-based authoring and programming activities.
Prereq: EME 4673.
EME 4401 Integrating Technology in the Elementary Curriculum  3 Credits
Prepares elementary majors to effectively use technology in teaching and learning.
Prereq: EME 2040.

EME 4406 Integrating Technology into the Secondary Curriculum  3 Credits
Gain experience with curriculum design and course development, which assumes use of technology.

EME 4673 Introduction to Instructional Design  3 Credits
Introduces the processes, methods, and techniques involved with systematic design on instruction. Topics include needs assessment, goal analysis, learner and context analysis, performance objectives, assessment instruments, instructional strategies, development procedures, formative and summative evaluation.
Prereq: EME 3813.

ESE 4340C Effective Teaching and Classroom Management in Secondary Education  3 Credits
Basic strategies for curriculum planning, instruction, classroom organization and student behavior management.

ESE 4905 Individual Study  1-4 Credits
In-depth study of a problem that relates to preparation as secondary education teachers. The project must be approved and supervised by a department faculty member.

LAE 3005 Children's Literature  3 Credits
Introduces genres of children's literature, critical response theory, strategies for critically evaluating books for instructional and aesthetic purposes, and strategies for generating personal, critical and aesthetic responses to literature from diverse and inclusive student populations.

LAE 4314 Language Arts for Diverse Learners  3 Credits
Analysis of content, materials and methods for teaching language arts in an inclusive elementary school classroom.
Prereq: EEX 3070, and 3ECD or 3EMR classification. Coreq: SSE 4312 and EDE 4942.

LAE 4604 Language Arts for Diverse Learners in Early Education  3 Credits
Focuses on the early developmental levels of writing and different definitions of writing, including writing as composing, writing as spelling/encoding and writing as handwriting. Addresses instructional strategies appropriate for teaching young children to write and explores instructional approaches from different theoretical perspectives.
Prereq: RED 3309.

MAE 2364 Explorations Teaching Secondary Mathematics and Science  3 Credits
Introduces prospective teachers to teaching secondary mathematics and science (grades 6-12).

MAE 3312 Content and Methods for Teaching Mathematics in the Inclusive Elementary Classroom Part I  3 Credits
Analysis of the content and methods necessary to effectively teach content from the number, algebra, and geometry strands of mathematics in the inclusive elementary classroom. Provides pre-service teachers with the underlying content and pedagogical content knowledge necessary to effectively teach mathematics.
Prereq: elementary education majors.

MAE 4310 Teaching Mathematics in the Inclusive Elementary School  3 Credits
Analyzes content, materials and methods of teaching mathematics in the inclusive elementary classroom. Prepares the future teacher of mathematics for facilitation of instruction to meet the needs of all children, including children with disabilities.
Prereq: 3ECD or 3EMR classification.

MUE 4940 Student Teaching in Music Education  4-12 Credits
Student teaching in selected classrooms of public schools. Special seminars and continuous evaluation of teaching experiences. (S-U)
Coreq: MUE 4140; all coursework must be completed except MUE 4140.

RED 3307 Teaching Reading in Primary Grades  3 Credits
Studies constructivist theory of how children learn and the sociopsycholinguistic theory of language learning. Focuses on how children construct knowledge about and learn to use written language.

RED 3309 Emergent Literacy and Beginning Reading Instruction  3 Credits
Provides students with knowledge to support emergent literacy in young children and teaching beginning reading in the early primary grades. Designed to provide students with theoretical and practical knowledge and experiences that prepare them to teach in a variety of applicable educational settings.
Prereq: LIN 3710.

RED 3312 Content Area Literacy  3 Credits
Studies the fundamental knowledge necessary to teach basic reading skills in the elementary school classroom.

RED 4324 Reading in the Intermediate Grades  3 Credits
Theory and practice for teaching reading in grades 3-6; develop expertise in literacy strategy and instruction in the classroom. Instruction is always embedded in the context of current educational policies. Become familiar with current research on reading, recent educational policy development, and issues of teaching in a diverse society.
Prereq: EEC 3706.

SCE 4113L Elementary Science Content  3 Credits
Overview of integrated science content essential for developing K-6 science curriculum. The course includes science-specific pedagogy and translation of the science content knowledge into grade specific activities aligned with the national science content standards for K-12 and the Next Generation Sunshine State Standards.
Prereq: Elementary education majors

SCE 4310 Elementary Science Methods for the Inclusive Classroom  3 Credits
Materials and methodology related to teaching the concepts and processes of science. Prepares pre-service teachers to teach science concepts and processes to all children, including those with disabilities.
Prereq: ECD or 3EMR classification.

SMT 1661 Step 1: Inquiry Approaches to Teaching Mathematics and Science  1 Credit
Introduces the evidence-based teaching practices necessary to design and deliver excellent mathematics and science instruction. Students engage in early field experiences in a local elementary school classroom to explore mathematics and science teaching as a career.

SMT 1662 Step 2: Inquiry Based Lesson Design in Mathematics and Science Education  2 Credits
Introduces inquiry-based lesson design that supports effective instructional techniques for middle school mathematics and science teaching.
Prereq: SMT 1661 with minimum grade of C.
SMT 3100 Knowing and Learning in Mathematics and Science Teaching 3 Credits
Investigates theories of knowing and learning in mathematics and science and implications for teaching secondary mathematics and science. (S)
Prereq: sophomore standing
General Education - Social Science

SMT 3301C Classroom Interactions in Mathematics and Science Education 3 Credits
Overview of principles for teaching middle and secondary school mathematics or science through an exploration of the role of content, pedagogy, curriculum and technology as they promote learning and impact equity.
Prereq: MAE 2364 and SMT 3100 with minimum grades of C.

SMT 3664 Project-Based Instruction in Math and Science Education 3 Credits
Overview of project-based instruction as an investigative and collaborative teaching approach in mathematics and science education.
Prereq: MAE 2364; Coreq: SMT 3100

SMT 4945 Apprenticeship in Secondary Mathematics and Science Teaching 4-6 Credits
UFTeach capstone experience. Students apply previously learned techniques and theoretical perspectives of mathematics or science education within a secondary school classroom setting.
Prereq: SMT 1661 and (SMT 1662 or MAE 2364) and SMT 3100 with minimum grades of C.

SSE 4312 Social Studies for Diverse Learners 3 Credits
Studies goals, methods and evaluation procedures for social studies curriculum in elementary schools (K - 6).
Prereq: EEX 3070 and second-semester standing in the elementary ProTeach program; Coreq: LAE 4314 and EDE 4942 Integrated Teaching.

TSL 3323 ESOL and Reading for Teachers 3 Credits
This course is designed to develop students' understanding of literacy teaching and learning, with a dual focus on native speakers of English and English Language Learners. It focuses on methods and materials that can be used to support the development of proficient and critical adolescent readers in academic content areas.

TSL 3520 ESOL Foundations: Language and Culture in Classrooms 3 Credits
Examines issues of language and culture relevant to school-age learners of English as a Second Language (ESOL).

TSL 4100 ESOL Curriculum, Methods and Assessment 3 Credits
Extends the understanding of ways that language and culture affect second-language learners' participation and learning in elementary classrooms. Create appropriate and challenging curriculum content, materials and assessments to create meaningful and equitable learning environments for native English speakers and second-language learners.
Prereq: TSL 3520.

TSL 4324 ESOL Strategies for Content Area Teachers 3 Credits
Overview of the issues relevant to ESOL learners and develops the skills to teach ESOL students in content area classes.