

## Education

### ED 2010 - Field Study in Education: Elementary School

Observations in an elementary school, offering relevant school experience to help clarify career goals.

**Credits:** 1.0

**Lec-Rec-Lab:** (0-0-2)

**Semesters Offered:** Fall, Spring

**Restrictions:** Permission of department required

### ED 2020 - Field Study in Education: Secondary School

Observations in a secondary school, offering relevant school experience to help clarify career goals.

**Credits:** 1.0

**Lec-Rec-Lab:** (0-0-2)

**Semesters Offered:** Fall, Spring

**Restrictions:** Permission of department required

### ED 3100 - Instructional Technology

Provides the development of knowledge and skills required to make use of information and communication technologies as instructional tools. Use of instructional technology will be considered within a context of relevant research and theory pertaining to human learning. Examines various technologies used to produce, present, and distribute instruction.

**Credits:** 2.0

**Lec-Rec-Lab:** (0-2-0)

**Semesters Offered:** Fall, Spring, Summer

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman, Sophomore

### ED 3110 - Psychological Foundations of Learning

The course examines how human beings grow and learn with major emphasis on the early adolescent and adolescent. Psychological basis of educational procedures and practices are established with special reference to learning disorders, gifted children, and culturally diverse classrooms.

**Credits:** 3.0

**Lec-Rec-Lab:** (3-0-0)

**Semesters Offered:** Fall, Spring

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman, Sophomore

**Pre-Requisite(s):** PSY 2000 and UN 2002

### ED 3210 - Foundations of Education

Contemporary issues in education from historical, philosophical, sociological and legal perspectives. Emphasizes the structure/function of U.S. education as well as exceptional children, especially the handicapped and culturally different. This course is one component of the Teacher Education Early Block. Requires admission to teacher education program.

**Credits:** 2.0

**Lec-Rec-Lab:** (0-2-0)

**Semesters Offered:** Fall, Spring

**Restrictions:** Permission of department required; May not be enrolled in one of the following Class(es): Freshman, Sophomore

**Co-Requisite(s):** ED 3110, ED 3410

**Pre-Requisite(s):** UN 1002 or UN 1003

### ED 3410 - Clinical Experience

Observation, tutoring and classroom teaching in an area school classroom. This course is one component of the Teacher Education Early Block. Requires admission to the Teacher Education program.

**Credits:** 1.0

**Lec-Rec-Lab:** (0-0-3)

**Semesters Offered:** Fall, Spring

**Restrictions:** Permission of department required; May not be enrolled in one of the following Class(es): Freshman, Sophomore

**Co-Requisite(s):** ED 3110, ED 3210

### ED 3510 - Communicating Science I

Students will learn how to design and deliver hands-on presentations to K-8 students and their parents. Presentations will be delivered at family science nights conducted at area schools. Classroom lectures will highlight the rationale for interacting with schools and communities as a professional, presentation skills, effective teaching techniques, learning styles, classroom management techniques and model hands-on learning techniques.

**Credits:** 2.0

**Lec-Rec-Lab:** (0-0-2)

**Semesters Offered:** Fall, Spring, Summer

### ED 3511 - Communicating Science II

Students will make presentations in local K-8 classrooms and/or at evening family science nights conducted at area schools. Classroom lectures will highlight the rationale for interacting with schools and communities as a professional, presentation skills, effective teaching techniques, learning styles, classroom management techniques, and model hands-on learning techniques.

**Credits:** 1.0

**Lec-Rec-Lab:** (0-0-1)

**Semesters Offered:** Fall, Spring, Summer

### ED 4020 - Methods of Teaching Social Studies

Application of learning and instructional theories and practice to the teaching of social studies. Emphasis will include application of state and national education standards and relevant assessment strategies for social studies. Requires admission to the Teacher Education program by the Department of Education.

**Credits:** 2.0

**Lec-Rec-Lab:** (0-2-0)

**Semesters Offered:** Spring

**Restrictions:** Permission of department required

**Pre-Requisite(s):** ED 3110 and ED 3100 and ED 3210 and ED 3410 and (ED 4150 or HU 4150) and ED 4700

### ED 4140 - Methods of Teaching English

Application of learning theories and national and state professional standards to the teaching of English. Emphasizes methods, materials, and media used to teach adolescents. Requires admission to teacher education program or permission of instructor.

**Credits:** 4.0

**Lec-Rec-Lab:** (0-3-3)

**Semesters Offered:** Fall

**Restrictions:** Permission of department required

**Pre-Requisite(s):** ED 3110 and ED 3210 and ED 3410 and ED 4700(C)

### ED 4150 - Literacy in the Content Areas

An introduction to the best ways to use language for deepening comprehension and understanding of all the content areas. Includes inquiries into how cultural and learning differences relate to comprehension. A minimum of 28 tutoring hours in a local school is required.

**Credits:** 4.0

**Lec-Rec-Lab:** (0-3-1)

**Semesters Offered:** Fall, Spring

**Pre-Requisite(s):** ED 3110 and ED 3210 and ED 3410

### ED 4500 - Special Problems in Education

Literature, laboratory, or field investigation under the supervision of authorized University faculty/staff with a required report of work performed and results obtained.

**Credits:** variable to 6.0; Repeatable to a Max of 9

**Semesters Offered:** Fall, Spring

### ED 4510 - Special Topics in Education

Students identify and develop an in-depth examination of current topics in education for further research and study. Working in consultation and agreement with select faculty, students engage in active inquiry on leading educational issues.

**Credits:** variable to 6.0; Repeatable to a Max of 9

**Semesters Offered:** Fall, Spring

### ED 4600 - Independent Study in Education

Through independent study, gain additional insights to relevant topics in education and research. Students must work directly with select faculty to develop a structured line of study on select educational topics.

**Credits:** variable to 6.0; Repeatable to a Max of 9

**Semesters Offered:** Fall, Spring

**Restrictions:** Permission of instructor required

### ED 4700 - Fundamentals of Instruction

Study of key areas of instruction in preparation for student teaching. Emphasis is placed on lesson planning, classroom management, and student assessment and evaluation. Requires admission to the teacher education program by the Department of Education.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-2-2)

**Semesters Offered:** Fall, Spring

**Restrictions:** Permission of department required; May not be enrolled in one of the following Class(es): Freshman, Sophomore, Junior

**Pre-Requisite(s):** ED 3110 and ED 3210 and ED 3410

**ED 4710 - Methods of Teaching Science and Mathematics**

Application of learning and instructional theories to the teaching of science and mathematics.

**Credits:** 3.0

**Lec-Rec-Lab:** (2-0-2)

**Semesters Offered:** Fall, Spring

**Restrictions:** Permission of department required; May not be enrolled in one of the following Class(es): Freshman, Sophomore, Junior

**Pre-Requisite(s):** ED 4700(C)

**ED 4740 - Methods of Teaching Business**

Application of learning theories and national and state standards to the teaching of business. Emphasizes methods, materials, and media used to teach adolescents. Requires admission to the teacher education program by the Department of Education.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** Fall, Spring

**Restrictions:** Permission of department required

**Pre-Requisite(s):** ED 4700(C)

**ED 4750 - Teaching Methods in Computer Science**

Provides teaching methods, models, and experiences for teaching computer science in secondary schools. Topics discussed include teaching methods, learning, security and maintenance of equipment, professional journals, ethics, legal issues, diversity, and problem solving. Requires admissions to the Teacher Education Program.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-3-0)

**Semesters Offered:** On Demand

**Restrictions:** Permission of department required; May not be enrolled in one of the following Class(es): Freshman, Sophomore, Junior

**Pre-Requisite(s):** ED 4700

**ED 4790 - Curriculum and Methods of Teaching Health and Physical Education**

A course in program planning and techniques of teaching physical education and health education in the secondary schools. Includes critical analysis of methods now in use in physical education and health education, their inter-relationship and criteria for evaluation or programs. Unit planning, daily lesson plans, teaching aids, materials for the program included.

**Credits:** 3.0

**Lec-Rec-Lab:** (0-2-2)

**Semesters Offered:** Fall

**Restrictions:** Permission of department required; Must be enrolled in one of the following Major(s): Health and Physical Education; Must be enrolled in one of the following Class(es): Junior, Senior

**Pre-Requisite(s):** BL 3970 and EH 4420 and EH 4301 and EH 4300 and ED 4150

**ED 4850 - Environmental Education Methods**

This course will prepare students to design and conduct environmental education programs for adults and youth in classrooms, parks, museums, nature centers, and through statewide outreach programs using a variety of teaching methods, hands-on-activities, and scientific investigations.

**Credits:** 4.0

**Lec-Rec-Lab:** (2-1-1)

**Semesters Offered:** On Demand

**Restrictions:** May not be enrolled in one of the following Class(es): Freshman, Sophomore

**Pre-Requisite(s):** UN 2002

**ED 4910 - Directed Teaching**

Knowledge of human growth and learning theories, methods and materials, and individual differences applied to classroom settings conducted under the supervision of an experienced middle or secondary school teacher. Requires admission to teacher education program.

**Credits:** 12.0

**Lec-Rec-Lab:** (0-0-36)

**Semesters Offered:** Fall, Spring

**Restrictions:** Permission of department required; May not be enrolled in one of the following Class(es): Freshman, Sophomore, Junior

**Pre-Requisite(s):** ED 3100 and ED 4700 and (ED 4710(C) or HU 4140(C) or SS 4020(C) or ED 4740)