

Secondary Education (SEED)

Courses

SEED 3283. Teaching Experiences in Education. 3 Hours.

The field experience is an essential component of the Bachelor of Arts in Teaching degree. The field experience allows Teacher Candidates (TC) to make further application of theoretical principles of teaching and learning. Teacher Candidates will be assigned placement in an area school for the length of the fall semester. During this assignment, the TC will both observe and participate in teaching. Prerequisite: Admission to B.A.T. (Typically offered: Fall)

SEED 4003. Teaching Secondary Science. 3 Hours.

Study of the methods and materials for teaching science. Includes philosophical, cognitive, and psychological dimensions of teaching science. The planning of instruction, microteaching, safety and liability issues, and the development of instructional materials are included. Prerequisite: STEM 3203. (Typically offered: Fall)

SEED 4022. Classroom Management Concepts. 2 Hours.

A number of different classroom management techniques are studied. It is assumed that a teacher must possess a wide range of knowledge and skills to be an effective classroom manager. Prerequisite: Admission to B.A.T. program. (Typically offered: Fall and Spring)

SEED 4063. Disciplinary and Interdisciplinary Literacies in Education. 3 Hours.

This course teaches the integration of reading, writing, and new literacies within the discipline and across disciplines. Theory and strategy are presented as integrated strands of the language process as presented in the context of instructional principles and suggested teaching practices. A solid research base is emphasized while keeping the focus on practical application. Prerequisite: Admission to B.A.T. program. (Typically offered: Fall and Spring)

SEED 4103. Methods of Teaching Secondary Social Studies I. 3 Hours.

Study of the methods and materials in social studies. Includes philosophical, cognitive, and psychological dimensions of teaching. The planning of instruction, microteaching, and the development of instructional materials are included. Prerequisite: Admission to the B.A.T. program. (Typically offered: Fall and Spring)

SEED 4113. Teaching History, Government and Economics. 3 Hours.

Study of the methods and materials in teaching history, government and economics. Includes philosophical, cognitive, and psychological dimensions of teaching, planning of instruction, microteaching, and the development of instructional materials are included. (Typically offered: Fall and Spring)

SEED 4203. English Language Arts/Speech & Drama Methods of Instruction. 3 Hours.

This course provides an introduction to teaching English language arts (ELA) and speech/drama in the context of elementary, middle and high school settings. The topics, issues, methods, and materials encompassing philosophical, cognitive, and psychological dimensions of teaching the content area provide the major tenets of instruction. Prerequisite: Admission to B.A.T. program leading to licensure. (Typically offered: Fall and Spring)

SEED 4213. Issues and Trends in Literacy. 3 Hours.

This course provides an examination of practices to teaching literacy, broadly defined. The topics, issues, methods, and materials encompassing philosophical, cognitive, and psychological dimensions of teaching provide the major tenets of instruction. Prerequisite: Admission to B.A.T. program leading to licensure. (Typically offered: Fall and Spring)

SEED 4303. Teaching Secondary Mathematics I. 3 Hours.

Study of the theories that have influenced teaching and learning of mathematics. Specific frameworks of secondary students' mathematical thinking and learning trajectories will be examined. Implications for instruction will be explored. Prerequisite: STEM 3203. (Typically offered: Fall)

SEED 4313. Teaching Secondary Mathematics II. 3 Hours.

Framed by current literature in mathematics education, teacher candidates will deepen their knowledge of effective practices for teaching mathematics and their understanding of the essential elements of school mathematics programs such as access and equity, curriculum, and assessment. The course will focus on pedagogy for teaching high school mathematics content. Pre- or Corequisite: STEM 3203. (Typically offered: Spring)

SEED 4443. Methods of Teaching Foreign Language K-12. 3 Hours.

Study of the methods and materials in the teaching of foreign language in K-12 settings as well as the theories of second language acquisition. Includes philosophical, cognitive, and psychological dimensions of teaching foreign languages. The planning of instruction, microteaching, and the development of instructional materials are included. Prerequisite: Admission to the B.A.T. program. (Typically offered: Fall and Spring)

SEED 4523. Instructional Practices in Teaching Foreign Language. 3 Hours.

A pedagogical studies course based on the theoretical and practical aspects of methods, techniques, and materials for effective teaching of foreign languages in K-12 schools. Prerequisite: Admission to B.A.T. Program leading to licensure. (Typically offered: Fall and Spring)

SEED 5003. Introduction to Teaching Secondary Science. 3 Hours.

Study of the methods and materials for teaching science. Includes philosophical, cognitive, and psychological dimensions of teaching science. The planning of instruction, microteaching, safety and liability issues, and the development of instructional materials are included. Prerequisite: Admission to Teacher Education (EDUCMA) M.A.T. program. (Typically offered: Summer) May be repeated for up to 6 hours of degree credit.

SEED 5013. Teaching Secondary Science: Theory to Practice. 3 Hours.

This course is a continuation of SEED 5003, Introduction to Teaching Secondary Science, and is taken concurrently with CIED 528V, Secondary Cohort Teaching Internship. Students will receive instruction in advanced methodologies for teaching science and will reflect on their experiences in their internships. Corequisite: CIED 528V. Prerequisite: SEED 5003. (Typically offered: Fall)

SEED 5103. Methods of Teaching Secondary Social Studies I. 3 Hours.

Study of the methods and materials in social studies. Includes philosophical, cognitive, and psychological dimensions of teaching. The planning of instruction, microteaching, and the development of instructional materials are included. Prerequisite: Admission to Teacher Education (EDUCMA) M.A.T. program. (Typically offered: Summer)

SEED 5113. Teaching History, Government and Economics. 3 Hours.

Study of the methods and materials in teaching history, government and economics. Includes philosophical, cognitive, and psychological dimensions of teaching, planning of instruction, microteaching, and the development of instructional materials are included. Prerequisite: Admission to Teacher Education (EDUCMA) M.A.T. program. (Typically offered: Fall)

SEED 528V. Secondary Field Experience. 1-6 Hour.

Student teaching in grades 7-12 to be specific to the fall semester experience of the Secondary Education Master of Arts in Teaching program. Students will practice and master instructional strategies under the supervision of qualified mentor teachers and university faculty members. (Typically offered: Fall) May be repeated for up to 9 hours of degree credit.

SEED 5303. Teaching Secondary Mathematics. 3 Hours.

Study of the methods and materials in teaching middle, junior high, and high school mathematics. Philosophical, cognitive, and psychological dimensions of teaching secondary topics including, but not limited to algebra, geometry, and statistics. The planning of instruction, microteaching, and the development of instructional materials are included. Prerequisite: Admission to Teacher Education (EDUCMA) M.A.T. program. (Typically offered: Summer)

SEED 5313. Theories of Learning Mathematics. 3 Hours.

Examination of research results related to student learning and achievement in secondary mathematics in the areas of rational numbers, algebraic reasoning, geometric proof, and data and probability. Prerequisite: SEED 5303. (Typically offered: Fall)

SEED 5413. Instructional Practices in Teaching Foreign Language. 3 Hours.

The theoretical and practical aspects of methods, techniques, and materials for effective teaching of foreign/second languages in K-12 schools. Prerequisite: Admission to the M.A.T. program. (Typically offered: Fall)

SEED 5503. Teaching Secondary Mathematics and Science. 3 Hours.

Study of the methods and materials for teaching secondary mathematics and science. Includes the philosophical, cognitive, and psychological dimensions of teaching mathematics and science. The planning of instruction, microteaching, and the development of instructional materials are included. Prerequisite: Admission to the M.A.T. program. (Typically offered: Summer)