# SED - Secondary Education

**SED 492 - Independent Study II (3)**

Students complete the research project begun in SED 490. For departmental honors, the project requires final assessment from the department.

Prerequisite: SED 491, good standing in the educational studies honors program, and consent of instructor, department chair and dean.

Offered: Fall, Spring.

SED 501 - Introduction to Lesson Planning (2)

Teacher candidates are introduced to the processes and procedures of planning effective, culturally responsive lessons.

Prerequisite: FNED 546; concurrent with SED 502 or by permission of department chair.

Offered: Fall, Spring, Summer.

SED 502 - Introduction to Assessment (2)

Teacher candidates are introduced to the purposes, processes and procedures of assessment.

Prerequisite: FNED 546; concurrent with SED 501 or by permission of department chair.

Offered: Fall, Spring, Summer.

SED 503 - Discourses, Literacies and Technologies of Learning (2)

Candidates learn about educational policy discourses, engage in the literacy practices of their discipline and enhance their knowledge of digital literacies for teaching and communication. 5 hours clinical preparation.

Prerequisite: SED 501 and SED 502 (with minimum grade of B-), or permission of department chair; concurrent enrollment in SED 503.

Offered: Spring.

SED 505 - Inquiry into STEM (2)

Candidates learn about and engage in Science, Technology, Engineering and Mathematics activities that can be implemented in secondary math and science classrooms or with youth organizations. 20 hours clinical preparation.

Prerequisite: Concurrent with SED 503; or permission of department chair.

Offered: Spring.

**SED 506 - Survey of Instructional Design (3)**

This course provides students with an in-depth overview of the theory and application of various methods of instructional design, including technology, assessment, and use of instructional materials.

Prerequisite: Graduate status.

Offered: Fall, Summer.

**SED 507 - Instructional Design and Literacy (3)**

This course provides students with research-based instructional design integrating reading and writing strategies for secondary education content teaching. A clinical experience is required.

Prerequisite: Graduate status and SED 506, or consent of department chair.

Offered: Spring Summer.

SED 510 - Teaching Mathematics in a Diverse Classroom (4)

Students adapt mathematics knowledge into thoughtful, engaging, reform-based mathematics lessons to help all students learn using community-building, dialogic practices. Clinical preparation (3 weeks or equivalent).

Prerequisite: SED 503.

**SED 511 - Content and Pedagogy in Secondary Education (4)**

Students examine principles, methods, content, and curriculum in the content area and prepare lessons and units that incorporate the needs of diverse learners and effective assessment strategies.

Prerequisite: Graduate status and SED 507, or consent of department chair.

Offered: Fall.

**SED 512 - Field Practicum in Secondary Education (2)**

Teacher candidates, under the supervision of college and clinical instructors, plan, develop, and implement lesson plans within middle/secondary clinical settings, drawing on content developed in SED 511.

Prerequisite: Graduate status and concurrent enrollment in SED 511, or consent of department chair.

Offered: Fall.

**SED 514 - Secondary School Curriculum (3)**

The development of a curriculum and the forces that modify it are examined in terms of the problems, needs, and trends involved. Recent curriculum developments are considered.

Prerequisite: Graduate status.

Offered: Spring (even years).

**SED 515 - Rethinking Mathematics Teaching and Learning (4)**

Students connect equitable pedagogical approaches to the teaching and learning of mathematics. Focus on mindsets, mathematical problem analysis, visualizing mathematics and incorporating social justice in the mathematics curriculum. Clinical preparation (3 weeks or equivalent).

Prerequisite: SED 510.

Offered: Fall.

**SED 516 - Teaching and Learning: Humanities in Communities (2)**

**Candidates will learn to exercise a critical perspective on life and learning in underserved schools/neighborhoods. Candidates will work with local organizations, advocates and/or schools. 20 hours clinical preparation.**

**Prerequisite: Concurrent with SED 503; or permission of department chair.**

**Offered: Spring.**

**SED 517 - Critical Writing and Teaching in Schools (4)**

**In this practicum course, candidates will learn tools and techniques for writing and teaching writing using the arts and digital literacies. Focus is on teaching non-native speakers of English.**

**Prerequisite: SED 516.**

**Offered: Spring.**

**SED 518 - Social Justice Teaching in English Education (4)**

**Students connect critical and culturally relevant pedagogies to everyday classroom strategies and techniques. Students will focus on community-building, dialogical methods and the teaching of reading. Clinical preparation (3 weeks or equivalent).**

**Prerequisite: SED 517.**

**Offered: Fall.**

**SED 519 - Professional Development for Cooperating Teachers (3)**

Cooperating teachers gain knowledge, tools, and experience that help them prepare teacher candidates to meet professional requirements in K-12 education programs. This course may be repeated after four years. Hybrid course.

Prerequisite: Graduate status and currently serving as a cooperating teacher, or consent of department chair.

Offered: As needed.

**SED 520 - Introduction to Student Teaching (2)**

Teacher candidates will participate in a three-week clinical preparation in the field. This induction phase will orient secondary education teacher candidates to their student teaching semester. Graded S, U.

Prerequisite: Concurrent enrollment in SED 521 and SED 522. To be admitted into SED 520, SED 521, and SED 522, the student must have completed all other required courses.

Offered: Early Spring

**SED 521 - Student Teaching in Secondary Schools (7)**

In this culminating field experience, candidates complete a teaching experience in a middle or senior high school under the supervision of cooperating teachers and college supervisors. This is a full-semester assignment.

Prerequisite: Graduate status, concurrent enrollment in SED 522; completion of all program requirements and all required education courses, with a minimum grade of B- prior to student teaching; satisfactory completion of all courses in the major prior to student teaching; a recommendation from the practicum instructor; graduate students must have a cumulative GPA of 3.00 a full semester prior to student teaching; passing score(s) on the Praxis II, approved Preparing to Teach Portfolio; and a negative result from the required tuberculin test.

Offered: Fall, Spring.

**SED 522 - Student Teaching Seminar in Secondary Education (3)**

This is an integrative and culminating experience in the professional program in secondary education. Students reflect on their initial experience as classroom teachers.

Prerequisite: Graduate status and concurrent enrollment in SED 521.

Offered: Spring.

**SED 523 - Teaching Seminar in Secondary Education (3)**

This is an integrative and culminating experience in the professional program in secondary education. Students reflect on their initial experiences as classroom teachers.

Prerequisite: Enrollement in R.I.C./TFA Secondary Education C.G.S. program.

Offered: Spring.

**SED 527 - Foreign Languages in the Schools (3)**

Focus is on more effective foreign language teaching at all levels. Recent research in methodology and educational media is examined, with particular reference to the contributions made by such areas as psychology and linguistics.

Prerequisite: Graduate status and completion of minimum academic requirements for certification in the discipline or consent of department chair.

Offered: As needed.

**SED 529 - Mathematics in the Secondary Schools (3)**

Emphasis is on the actual teaching of mathematics. Topics include current curriculum recommendations that affect methodology and the teacher's fundamental approach to mathematics.

Prerequisite: Graduate status and completion of minimum academic requirements for certification in the discipline or consent of department chair.

Offered: As needed.

**SED 531 - Models of Instruction (3)**

A variety of theory-based instructional models are examined and in the context of contemporary secondary school issues and reform efforts.

Prerequisite: Graduate status.

Offered: Spring.

**SED 542 - English in Secondary Schools (3)**

Study includes the evaluation of aims and objectives, selection and organization of content, principles and methods of English instruction, and current research in English instruction.

Prerequisite: Graduate status and completion of minimum academic requirements for certification in the discipline or consent of department chair.

Offered: As needed.

**SED 543 - Social Studies in Secondary Schools (3)**

Study includes the evaluation of aims and objectives, selection and organization of content, principles and methods of social studies instruction, and current research in social studies instruction.

Prerequisite: Graduate status and completion of minimum academic requirements for certification in the discipline or consent of department chair.

Offered: As needed.

**SED 548 - Science Methods in Secondary Schools (3)**

Focus is on five major areas relative to science instruction in the secondary schools. Discussion of each area is supplemented with library research.

Prerequisite: Graduate status and completion of minimum academic requirements for certification in the discipline or consent of department chair.

Offered: As needed.

**SED 562 - Inquiry into Classroom Practice (3)**

Students engage in systematic inquiry based on original data and standardized assessments of teaching and learning within educational settings.

Prerequisite: Admission to the M.Ed. program in advanced studies in teaching and learning and completion of SED 561 or consent of department chair.

Offered: Spring.

**SED 563 - Educational Measurement and Assessment (3)**

Students study quantitative and qualitative methods of conducting student and teacher assessments, uses of assessment data, role of standards and implications for instruction. Hybrid course.

Prerequisite: Graduate status and SED 562, or consent of department chair.

Offered: Summer.

**SED 564 - Learning Theory and Student Engagement (3)**

Students use multidisciplinary perspectives to examine individual, social, cultural and historical factors in learning, teaching and assessment practices. A case study is conducted.

Prerequisite: Graduate status and SED 563, or consent of department chair.

Offered: Fall.

**SED 565 - Disciplinary Literacy and Curriculum Research (3)**

Students examine the research, theory, and practice of multi-literacies in academic disciplines. A classroom-based field study is conducted.

Prerequisite: Graduate status and SED 564, or consent of department chair.

Offered: Spring.

**SED 591-594 - Directed Research (1-4)**

Under the direction of a member of the department faculty, students initiate a formal inquiry into an area of concern associated with their present professional responsibility. A maximum of four credit hours may be earned in this sequence.

Prerequisite: consent of department chair. Open only to students enrolled in the M.Ed. program in secondary education or the educational specialist programs

Offered: As needed.