Secondary Education

Courses

SEC ED 3240 Curriculum And Methods Of Teaching Physical Sciences: 3 semester hours
Prerequisites: TCH ED 3310 or TCH ED 5310 and a near major in the subject area. A study of the scope and sequence of the physical science courses in the school curriculum, with emphasis on the selection and organization of materials and methods of instruction and evaluation. Attention is directed toward learning the techniques and research tools of the scholar in the field of science. To be taken concurrently with Practicum I. This course must be completed in residence.

SEC ED 4011 The Curriculum And Methods Of Teaching History And Social Studies: 3 semester hours
Prerequisites: Admission to the Teacher Education Program and completion of all Level II courses. Must be taken concurrently with SEC ED 4989. A study of the scope and sequence of history and social studies courses in the school curriculum, with emphasis on the selection and organization of materials and methods of instruction and evaluation. May not count toward history hours required for history major. Must be completed prior to student teaching. This course must be completed in residence. Not available for graduate credit.

SEC ED 4012 Social Studies Teaching Seminar: 1 semester hour
Prerequisites: SEC ED 4989. Must be taken concurrently with student teaching. Addresses the application of teaching strategies and instructional technology in the classroom setting. Offered concurrently with Secondary School Student Teaching, SEC ED 4990. Not available for graduate credit.

SEC ED 4013 United States History For The Secondary Classroom: 3 semester hours
Prerequisites: Admission to the Teacher Education Program. TCH ED 3310 or consent of the instructor. This course is required for Social Studies certification. Adapts the themes and subject matter of American history to the secondary classroom and trains teachers in techniques particularly designed to maximize the use of primary sources, foster critical inquiry, and encourage knowledge of subject matter. Particular emphasis will be placed on defining the broad and connecting themes of American history, on expanding bibliography, and on choosing methods of inquiry for use in an interactive classroom. Cannot be counted towards the minimum 39-hour history major requirement, but can be counted towards the 45 hour maximum and for Social Studies certification. Not available for graduate credit.

SEC ED 4090 American Government For The Secondary Classroom: 3 semester hours
Same as POL SCI 4090. Prerequisites: POL SCI 4090/ SEC ED 4090 must be taken concurrently with SEC ED 4011 except with special consent of the School Studies Coordinator. Adapts the themes and subject matter of American Government to the secondary classroom and trains teachers in techniques particularly designed to maximize the use of primary sources, foster critical inquiry, and encourage knowledge of subject matter. Particular emphasis will be placed on defining the broad and connecting methods of inquiry for use in an interactive classroom. Can be counted towards the Political Science major requirement, but not the American Politics subgroup. Counts towards Social Studies certification. Not available for graduate credit.

SEC ED 4320 Classroom Management: 3 semester hours
Same as ECH ED 4320, ELE ED 4320. Prerequisites: Level I and II courses or consent of instructor. Understanding classroom management as the development of engaging instruction that establishes healthy and culturally appropriate teacher-student relationships, builds successful classroom community and enhances student learning. Participants develop a culturally relevant classroom management plan that includes rules, procedures, expected behaviors and uses problem solving strategies to resolve behavior problems. Emphasis is on the teacher developing the social competence of Pre K-12 students within culturally diverse classrooms and engaging families in supportive interactions.

SEC ED 4589 Curriculum And Methods Of Teaching Foreign Languages: 3 semester hours
Same as FGN LANG 4589. Prerequisites: TCH ED 3310 or TCH ED 5310 and passing the departmental language skill test. A study of the scope and sequence of the foreign language courses in the school curriculum with emphasis on the selection and organization of materials and methods of instruction and evaluation. Attention is directed toward learning the techniques and research tools of the scholar in the field of foreign language. To be taken prior to student teaching. This course must be completed in residence. Not available for graduate credit.

SEC ED 4590 Foreign Language Teaching Seminar: 2 semester hours
Same as FGN LANG 4590. Prerequisite: Concurrent enrollment in SEC ED 4990 or consent of instructor. A practicum course in the teaching of foreign languages. Review and explanation of drills, dialogues, and a variety of classroom techniques, oral and written. A continuation of SEC ED 4589. Curriculum & Methods, with an emphasis on specific practical skills. To be taken concurrently with SEC ED 4990, Student Teaching. Not available for graduate credit.

SEC ED 4646 The Curriculum And Methods Of Teaching Math: 3 semester hours
Prerequisites: Admission to the Teacher Education Program and completion of all Level II courses. Must be taken concurrently with SEC ED 4989. A study of the scope and sequence of the mathematics courses in the school curriculum with emphasis on the selection and organization of materials and methods of instruction and evaluation. Attention is directed toward learning the techniques and research tools of the scholar in the field of mathematics. To be taken prior to student teaching. This course must be completed in residence. Not available for graduate credit.

SEC ED 4648 Mathematics Teaching Seminar: 2 semester hours
Prerequisites: SEC ED 4989. Must be taken concurrently with SEC ED 4990. A seminar in the integration of mathematics curricula, Educational philosophy, teaching strategies, and instructional technology in the classroom setting. Not available for graduate credit.

SEC ED 4837 Chemistry/Physics Teaching Seminar: 2 semester hours
Prerequisites: SEC ED 3240 and SEC ED 4989. A seminar to accompany practice teaching covering integration of physical science curricula and methods into the classroom setting. To be taken concurrently with SEC ED 4990. Two-hour discussion per week.

SEC ED 4880 Writing For Teachers: 3 semester hours
Prerequisite: ENGL 3090 or junior level English. Same as ENGL 4880. Writing for Teachers is an English-education course that supports writing across the curriculum for both pre-service English and content area teachers. Teacher candidates learn writing theories and literacy strategies to help their future students construct meaning from their discipline. The course works best for those who are completing level II or beginning level III education courses. The course counts toward the Certificate in Writing.
SEC ED 4885 The Curriculum And Methods Of Teaching English: 3 semester hours
Prerequisites: Completion of Level II education courses and a near major in English. A study of the scope and sequence of the English courses in the school curriculum with emphasis on the selection and organization of materials and methods of instruction and evaluation. The course prepares students for reflective teaching by relating course readings to field experiences and theory to practice. To be taken prior to student teaching and concurrently with Practicum I, SEC ED 4989.

SEC ED 4886 The Curriculum and Methods of Teaching Speech and Theatre: 3 semester hours
Same as TH DAN 4886. Prerequisites: TCH ED 3310 or TCH ED 5310; students must be within three hours of completing a major in either Communications or Theatre, with 15-18 hours completed in the other subject area. A study in the scope and sequence of the Speech and Theatre courses in the school curriculum with emphasis on the selection and organization of materials and methods of instruction and evaluation. The course prepares students for reflective teaching by relating course readings to field experience and theory to practice. To be taken prior to student teaching and concurrently with SEC ED 4889; Secondary Education Professional Internship. This course must be completed in residence. Not available for graduate credit.

SEC ED 4888 English Teaching Seminar: 2 semester hours
Prerequisites: SEC ED 4885 and a near major in the subject area. A seminar in the integration of English curricula, educational philosophy, teaching strategies, and instructional technology in the classroom setting. To be taken concurrently with Practicum II, SEC ED 4990. Not available for graduate credit.

SEC ED 4895 Curriculum And Methods Of Teaching Life Sciences: 4 semester hours
Prerequisites: TCH ED 3310 or TCH ED 5310 and a near major in biology. A study of the scope and sequence of the life science courses in the school curriculum, with emphasis on the selection and organization of materials and methods of instruction and evaluation. The analysis of teaching/learning and field experience observations in secondary school classrooms will be integrated into classroom activities and discussions. Take concurrently with SEC ED 4889. This course must be completed in residence.

SEC ED 4986 Laboratory In Teaching Life Sciences: 2 semester hours
Prerequisite: TCH ED 3310. Discussion, development, utilization, and evaluation of equipment, materials, and techniques applicable to instruction in the life sciences.

SEC ED 4989 Practicum I: Site Based Experience: 3 semester hours
Prerequisites: Level I & II requirements. This course is an intensive professional development experience (1 day per week for 14 weeks) working in a school setting. Activities on site include assisting the classroom teaching in all areas of instruction, assessment, and classroom management. This course is to be taken during the semester immediately preceding Practicum II (student teaching). This course must be taken in conjunction with methods of instruction course in specific content area. Assignments from the methods course(s) may be completed in the Practicum setting, and experiences in the school guide the methods course activities and discussions. Not available for graduate credit.

SEC ED 4990 Practicum II: Site Based Experience: 12 semester hours
Prerequisites: SEC ED 4989 and appropriate curriculum and methods course in the teaching field. Teacher candidates spend time in schools engaged in various capacities to improve student learning within small group instruction, whole class teaching, lesson planning and special programs to demonstrate proficiency on all MoSPE standards. Not available for graduate credit.

SEC ED 4993 Practicum II: Site Based Experience in Elementary (K-6) Music: 6 semester hours
Prerequisites: Level I and Level II Education Courses, MUS ED 3570, PRACTM 2180, MUS ED 3680 or MUS ED 3690, MUS ED 3700 or MUS ED 3710, approval of Coordinator of Music Education. Intensive clinical teaching experience under university supervision, with seminar included. Must be taken concurrently with SEC ED 4994. Not available for graduate credit.

SEC ED 4994 Practicum II: Site Based Experience in Secondary (7-12) Music: 6 semester hours
Prerequisite: Level I and Level II Education Courses, MUS ED 3570, PRACTM 2180, MUS ED 3680 or MUS ED 3690, MUS ED 3700 or MUS ED 3710, approval of Coordinator of Music Education. Intensive clinical teaching experience under university supervision, with seminar included. Must be taken concurrently with SEC ED 4993. Not available for graduate credit.

SEC ED 4996 Practicum II: Site Based Experience in Elementary Art: 6 semester hours
Prerequisites: ART ED 4273, SEC ED 4989, 45 hours of Studio Art, and 15 hours of Art History. Intensive clinical teaching experience under university and school supervision, with seminar included. Must be taken “in block” with SEC ED 4997. Not available for graduate credit.

SEC ED 4997 Practicum II: Site Based Experience in Secondary Art: 6 semester hours
Prerequisites: ART ED 4273, SEC ED 4989, 45 hours of Studio Art, and 15 hours of Art History. Clinical teaching experience under university and school supervision in middle/junior high and/or high school, with seminar included. Must be taken in block with SEC ED 4996. Not available for graduate credit.

SEC ED 4999 Biology Science Teaching Seminar: 3 semester hours
Prerequisites: SEC ED 4985 and SEC ED 4986. The application of Educational philosophy, science curriculum, teaching strategies and instructional technology in the classroom setting. Offered concurrently with Secondary School Student Teaching, SEC ED 4990. Not available for graduate credit.

SEC ED 5000 Teacher Practicum Research: 1 semester hour
Prerequisites: Admission into Student Teaching. Students conduct research on their own teaching in order to modify their instruction, curriculum and assessment practices. Concurrent enrollment in SEC ED 4990, Secondary Student Teaching.

SEC ED 5012 Social Studies Teaching Advanced Seminar: 2 semester hours
Prerequisites: SEC ED 5989. An advanced seminar in the analysis and synthesis of current research and best practice of social studies curricula, educational philosophy, teaching strategies, and instructional technology in the classroom setting. To be taken concurrently with SEC ED 5990, Practicum II.
SEC ED 5374 Foreign Language Teaching Advanced Seminar: 2 semester hours
Prerequisites: SEC ED 5989. An advanced seminar in the analysis and synthesis of current research and best practice of foreign language curricula, educational philosophy, teaching strategies, and instructional technology in the classroom setting. To be taken concurrently with SEC ED 5990. Practicum II.

SEC ED 5648 Mathematics Teaching Advanced Seminar: 2 semester hours
Prerequisites: SEC ED 5989. An advanced seminar in the analysis and synthesis of current research and best practice of mathematics curricula, educational philosophy, teaching strategies, and instructional technology in the classroom setting. To be taken concurrently with SEC ED 5990. Practicum II.

SEC ED 5888 English Teaching Advanced Seminar: 2 semester hours
Prerequisites: SEC ED 5989. An advanced seminar in the analysis and synthesis of current research and best practice of English curricula, educational philosophy, teaching strategies, and instructional technology in the classroom setting. To be taken concurrently with SEC ED 5990. Practicum II.

SEC ED 5989 Practicum I: Site Based Experience: 2 semester hours
Prerequisites: Graduate standing and Level I & II requirements. An intensive professional development experience (1 day per week for 14 weeks) working in a school setting. Activities on site include assisting the classroom teacher in all areas of instruction, assessment, and classroom management. This course is to be taken during the semester immediately preceding Practicum II (student teaching). This course must be taken in conjunction with methods of instruction course in specific content area. Assignments from the methods course(s) may be completed in the Practicum setting, and experiences in the school guide the methods course activities and discussions. Activities to acquire research skills will be included.

SEC ED 5990 Practicum II: Site Based Experience: 8 semester hours
Prerequisites: SEC ED 5989 with a B- or better and appropriate curriculum and methods course in the teaching field. Teacher candidates spend time in schools engaged in various capacities to improve student learning within small group instruction, whole class teaching, lesson planning and special programs to demonstrate proficiency on all MoSPE standards. Teacher candidates collect data for a research project.

SEC ED 5999 Biology Teaching Advanced Seminar: 2 semester hours
Prerequisites: SEC ED 5989. An advanced seminar in the analysis and synthesis of current research and best practice of science curricula, educational philosophy, teaching strategies, and instructional technology in the classroom setting. To be taken concurrently with SEC ED 5990. Practicum II.

SEC ED 6404 Seminar: 1-10 semester hours

SEC ED 6415 Curriculum Leadership in Education: 3 semester hours
Prerequisites: ED PSY 6030 or consent of instructor. Strategies for developing and implementing up-to-date curriculum. Using current research of innovative programs and new approaches, students will develop skills in analyzing and evaluating content area curriculum according to Common Core and national content standards in order to lead curriculum development in an educational setting.

SEC ED 6416 Curriculum Design for Educational Programs: 3 semester hours
Prerequisites: ED PSY 6030, SEC ED 6415 or consent of instructor. Principles of curriculum design and development for a formal or informal educational setting. Students may choose to develop an integrated or differentiated curriculum using the Common Core or national content standards. Compare and contrast curriculum design approaches while connecting curriculum and instruction practices to learner performance.

SEC ED 6420 Improving Teaching and Learning: 3 semester hours
Prerequisites: ED PSY 6030, or consent of instructor. Students will learn to improve their teaching effectiveness through the use of various models of instruction that are based on current learning theories and research in teaching methodology to improve the achievement of diverse learners. Focus on inquiry models that prepare educators for effectively teaching the Common Core standards. Prior instructional experience is recommended.

SEC ED 6428 Secondary School Curriculum Reform In The Life Sciences: 1-4 semester hours
Prerequisites: Graduate Standing. Field-based experiences in improving the district level secondary school science program, with special attention to the life sciences. Emphasis is given to planning and implementing standards-based inquiry on selected science topics that include connections to other curricular areas. The course is organized into 4 non-overlapping modules. Credit hours are determined based on number of modules completed. To reflect the number of modules selected by the student, this course may be repeated for a maximum of 4 credit hours.

SEC ED 6441 Problems and Research in Teaching Secondary School Science: 3 semester hours
Prerequisites: Graduate Standing & science education experience. A thorough examination of research related to middle and secondary school science instruction with particular emphasis on innovative programs. Includes methods of investigation and techniques for interpreting the professional research literature.

SEC ED 6485 Secondary School Curriculum Reform In The Physical Sciences: 1-4 semester hours
Prerequisite: Graduate Standing. Field-based experiences in improving the district-level secondary school science program, with special attention to the physical sciences. Emphasis is given to planning and implementing standards-based inquiry on selected science topics that include connections to other curricular areas. The course is organized into 4 non-overlapping modules. Credit hours are determined based on number of modules completed. To reflect the number of modules selected by the student, this course may be repeated for a maximum of 4 credit hours.

SEC ED 6490 Internship: 1-10 semester hours
Prerequisite: Consent of instructor. Closely supervised experience in a field setting under the direction of a graduate faculty member. An appropriate level of competence and evidence of growth in the professional role must be demonstrated by the intern. The internship will include planning, research, evaluation, and related professional activities.

SEC ED 6497 Problems: 1-10 semester hours