Teacher Education

In the College of Education

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Courses Acceptable on Master's Degree Programs in Education (TE)

Refer to Courses and Curricula and Regulations of the Division of Gradu-
ate Affairs sections of this bulletin for explanation of the course numbering
system, unit or credit hour, prerequisites, and related information.

UPPER DIVISION COURSES

TE 511. Assessment in Mathematics Education (3)
Techniques to assess and develop students' mathematical
understanding. For use by elementary and secondary classroom
teachers and mathematics education specialists.

TE 526. Teaching the Special Child in the Regular Classroom (3)
Prerequisite: Teaching credential or admission to multiple or single
subject credential programs.
Prepares general education teachers to adapt curriculum and
instruction, differentiate instruction, meet social and behavioral needs,
modify instruction for students with disabilities and for students who
are gifted and talented. Not for multiple or single subject credential
candidates. Not open to students with credit in Special Education 450,
Teaching the Special Child in the Regular Classroom.

TE 530. Children's/Adolescents' Literature (3)
Survey of children's/adolescents' literature and its incorporation
into the classroom curriculum.

TE 596. Topics in Teacher Education (1-3 or 6) RP*
Designed to meet the needs of individuals or groups of teachers
who wish to develop or continue the study of some problem. May be
repeated with new content. See Class Schedule for specific content.
Limit of nine units of any combination of 296, 496, 596 courses
applicable to a bachelor's degree. Maximum credit of six units of 596
applicable to a bachelor's degree. Credit for 596 and 696 applicable
to a master's degree with approval of the graduate adviser.

*Specified sections.

GRADUATE COURSES

TE 600. Curriculum Development in Education (3)
Prerequisite: Consent of instructor.
Advanced study of the research in curriculum development,
construction and evaluation.

TE 601. Schools and the Pedagogy of Health Education (3)
Prerequisite: Preliminary multiple or single subject teaching
credential.
Relationship between health and learning, and how to access
community resources that support student health. Applicable to
Teacher Induction Certificate Program. Not acceptable on a master's
degree. (Formerly numbered Education 601.)

TE 602A. Seminar: California Clear Teaching Credential (1) Cr/NC
Prerequisite: Preliminary multiple or single subject credential.
Develop a preliminary professional development plan designed to
provide guidance for induction work linked to advanced study toward
the California clear teaching credential. Explore links between prelim-
nary credential work and ongoing professional development.
Applicable to the California Clear Teaching Credential.

TE 602B. Seminar: Formative Assessment (3)
Prerequisites: Preliminary multiple or single subject credential and
Teacher Education 602A.
Role of advanced study in induction coursework on professional
development. Summative assessment, applying the Plan, Instruct,
Assess, Reflect, and Apply (PIARA) assessment system. Future
professional development needs and plans outlined. Applicable to the
California Clear Teaching Credential.

TE 605. Innovations in Instruction (1-3)
Prerequisite: Teaching experience.
Exploration of innovative instructional practice in the public and
private schools, with emphasis on innovative teaching strategies.
An evaluation of the motivational effect and structural validity of promising
instructional practices. See Class Schedule for specific content.
Maximum credit three units applicable to a master’s degree.

TE 610A. Seminar in Mathematics Education -
Elementary School (3)
Prerequisite: Consent of instructor.
Factors affecting the elementary school mathematics curriculum;
recent trends and current research in the teaching of elementary
school mathematics.
TE 610C. Seminar in Science in Elementary Education (3)
Prerequisite: Consent of instructor.
Advanced study of the problems of teaching science in the elementary school with emphasis on the literature of science education.

TE 626. Advanced Educational Psychology (3)
Prerequisite: Teacher Education 923 or valid teaching credential.
Advanced study of the research in educational psychology and its application to learning and human growth.

TE 630. Seminar in Literacy and Language Arts (3)
Prerequisite: Education 690.
Trends in reading instruction to include developmental sequences in reading skills and abilities, reading in the content fields, individual differences and interests.

TE 631. Seminar in Language Arts (3)
Prerequisite: Education 690.
Advanced study of problems in teaching language arts. The study of the scientific research and application in the field.

TE 633. Leadership in Literacy Education (3)
Prerequisite: Teacher Education 637.
Planning, presenting, and evaluating professional development activities in literacy education for teachers at the K-12 level.

TE 634. Seminar in Research Investigations in Reading and Language Arts (4)
Prerequisite: Consent of instructor.
Emphasis on interpreting, evaluating, conducting, and implementing findings of research and evaluation in reading and language arts.

TE 635. Assessment of Reading and Language Arts (3)
Prerequisites: Valid teaching credential; course in methods and materials for teaching reading.
Theoretical knowledge and practical skill in assessing reading and language arts using both formal and informal measures.

TE 636. Advanced Assessment of Reading and Language Arts (3)
Prerequisites: Credit or concurrent registration in Teacher Education 635; valid teaching credential; course in methods and materials for teaching reading.
Acquisition and assessment of personal literacy as supported throughout an individual’s lifetime; supervised experience using assessment materials. Advanced formal and informal literacy measures.

TE 637. Instructional Strategies for Reading and Language Arts (4)
Prerequisites: Valid teaching credential; course in methods, materials for teaching reading.
Supervised teaching experience utilizing instructional activities in individual and small group settings.

TE 638. Topics in Reading Education (1-6)
Prerequisite: California Teaching Credential.
A variety of instructional sequences (mini-courses), each focusing on a single topic or competency dealing with teaching instruction. See Class Schedule for specific content. Maximum credit six units applicable to a master’s degree.

TE 639. Literacy and Language (3)
Prerequisite: Teacher Education 930 or 933.
Theories of literacy and methods for developing literacy in language, reading and writing. Instructional methods and assessment techniques for children and adults.

TE 640. Planning for Teaching and Assessment in Writing (3)
Prerequisite: Teaching experience.
Comprehensive writing instruction in context of the interactive language arts. Development of plans for curriculum and instruction in diverse classrooms. Examination of multiple assessments and how they inform instruction in K-12 classrooms.

TE 641. Teaching Foundational Skills of Early Writing to Primary Grade Children (3)
Prerequisites: Valid multiple subjects teaching credential and experience teaching primary grade children.
Theoretical knowledge and practical skills in effective instructional frameworks for early writing instruction, intended to improve children’s language development, phonemic awareness, letter knowledge, composing, sentence structure, punctuation, writing fluency, and spelling.

TE 642. Teaching Text Structure and Genres for Early Writing in the Primary Grades (3)
Prerequisites: Teacher Education 641, valid multiple subjects teaching credential, and experience teaching primary grade children.
Theoretical knowledge and practical skills in effective instructional frameworks for early writing instruction, intended to improve children’s language development, composing, sentence, and text structure across a variety of genres.

TE 643. Planning and Integrating Writing Instruction in the Primary Grades (3)
Prerequisites: Teacher Education 641, valid multiple subjects teaching credential, and experience teaching primary grade children.
Theoretical knowledge and practical skills in planning an articulated primary grade writing program, integrating purposes and procedures of assessment with effective instructional frameworks and teaching writing for content area studies.

TE 644. Seminar in Educational Measurement (3)
Prerequisite: Consent of instructor.
Procedures of assessment with effective instructional frameworks and teaching credential, and experience teaching primary grade children.

TE 651. History of Social Studies Reform (3)
Prerequisite: Graduate standing.
History and current status of social studies curricula in American schools, K-12. Emphasis on issues, controversies, competing philosophies, historical trends, and applications.

TE 652. Change in Education (3)
Prerequisite: Valid teaching credential.
Examination of the process of change in education, analysis of recent major changes and study of techniques for effecting change.

TE 654. Issues in Social Studies Education (3)
Prerequisite: Graduate standing.
Issues of theory, research, and practice in social studies including dilemmas of social studies definition and practice; theory and research in teaching history and social sciences; teachers, texts, and classroom discourse; technology; recent reform efforts; classroom applications.

TE 655. Sociocultural Foundations of American Education (2 or 3)
Prerequisite: Admission to teacher education.
Historical and philosophical nature of American schools as it relates to equity, pedagogy, and curriculum. Issues of equity, race, culture, gender, ethnicity, sexual preference, and social issues as they impact the classroom.

TE 660. Early Literacy and Early Intervention in Reading Recovery® (3)
Prerequisites: Admission to reading recovery program and concurrent registration in Teacher Education 662 and 664.
Theoretical foundations underlying various aspects of reading and writing processes, early reading difficulties, oral language development and acquisition, early research and subsequent development of reading recovery.

TE 661. Theoretical Foundations of Literacy, Language, and Learning in Reading Recovery® (3)
Prerequisites: Admission to reading recovery program and concurrent registration in Teacher Education 663 and 665.
Theories about teaching and learning, reading and writing process, language development, comprehension, issues of literacy and culture, phonemic and phonological awareness, and Clay’s theory.
TE 662. Clinical Foundations of Reading Recovery® I (3)
Prerequisites: Admission to reading recovery program and concurrent registration in Teacher Education 660 and 664.
Develop expertise assessing and observing children, develop expertise in teaching children at risk of reading failure, and examine teacher leader role as teacher of reading recovery teachers.

TE 663. Clinical Foundations of Reading Recovery® II (3)
Prerequisites: Admission to reading recovery program, Teacher Education 662, and concurrent registration in Teacher Education 661 and 665.
Refinement of reading recovery teaching procedures based on theory and examination of teacher leader role as it pertains to teaching reading recovery teachers-in-training.

TE 664. Practicum in Leadership for Reading Recovery® Teacher Leaders I (3)
Prerequisites: Admission to reading recovery program and concurrent registration in Teacher Education 660 and 662.
Reading recovery as a system intervention to include multiple roles of teacher leader, teacher education, organization and implementation, guidelines and rationales of reading recovery, and educational change.

TE 665. Practicum in Leadership for Reading Recovery® Teacher Leaders II (3)
Prerequisites: Admission to reading recovery program, Teacher Education 664, and concurrent registration in Teacher Education 661, 663.
Reading recovery as a system intervention to include teacher education, organizational and implementation issues, guidelines and rationales of reading recovery, educational change, and role of teacher leader as researcher.

TE 677. Research-Based Pedagogy for Diverse Learners (3)
Prerequisite: Admission to Master of Arts in Teaching program. Research-based pedagogy for diverse learners. Instructional strategies applicable across disciplines.

TE 693. Measuring and Assessing Student Achievement in Schools (3)
Prerequisite: Admission to Master of Arts in Teaching program. Development of assessments and tests common in instructional and research contexts. Uses and interpretation of assessment data in given differential social/political contexts. Implications for research and instruction.

TE 696. Selected Topics in Teacher Education (1-3)
Prerequisite: Valid teaching credential. Intensive study in specific areas of teacher education. May be repeated with new content. See Class Schedule for specific content. Credit for 596 and 696 applicable to a master’s degree with approval of the graduate adviser.

TE 736. Field Experience as a Reading Specialist (3)
Prerequisites: Teacher Education 637 and 18 units of core courses. Individually designed practicum for the reading specialist.

TE 779. Action Research in Learning Environments (3)
Prerequisites: Teacher Education 693 and successful completion of 24 units of Master of Arts in Teaching coursework. Capstone course for Master of Arts in Teaching degree. Action research conducted in students’ own teaching environments.

TE 790. Seminar in Teacher Education (3-6)
Prerequisite: Advancement to candidacy. Intensive consideration of selected topics of current importance in teacher education. May be repeated with new content. See Class Schedule for specific content. Maximum credit six units applicable to a master’s degree. For collaborative induction programs with school districts: May be taken prior to advancement to candidacy for six units; up to 12 units applicable to a master’s degree.

TE 798. Special Study (1-6) Cr/NC/RP
Prerequisite: Consent of staff; to be arranged with department chair and instructor.
Individual study. May involve fieldwork. Maximum credit six units applicable to a master’s degree.

CREDENTIAL COURSES

TE 902. Classroom Management Skills (1-2)
Prerequisite: Provisional or complete admission to multiple subject credential program.
Skills in interpreting the legal aspects of education, identifying various kinds of school and classroom organization, and using instructional media and verbal stimuli to facilitate learning.

TE 903. Secondary School Student Teaching Seminar (1-2) Cr/NC
Prerequisites: Teacher Education 922, 933, 954, 963. To be taken concurrently with Teacher Education 964.
To plan and organize instruction in relation to all competencies acquired and to be implemented in an on-site, full-time student teaching assignment. May be repeated with new content. See Class Schedule for specific content. Maximum credit four units.

TE 910A. Teaching Mathematics in the Elementary School (1-3)
Prerequisite: Admission to multiple subject credential program, education specialist credential program, or possession of a teaching credential.
Instructional methods for development of children’s conceptual understanding, computational, and problem-solving skills in mathematics, including use and development of materials and programs.

TE 910B. Teaching Social Studies in the Elementary School (1-3)
Prerequisite: Admission to multiple subject credential program or possession of a teaching credential.
Developing curriculum, principles and materials of instruction, including instructional media and participation in elementary social studies education.

TE 910C. Teaching Science in the Elementary School (1-3)
Prerequisite: Admission to multiple subject credential program or possession of a teaching credential.
Developing research-based science curriculum, principles and materials of instruction, including instructional media and participation in elementary science education.

TE 914. Teaching and Learning in the Content Area: Major (3)
Prerequisite: Admission to teacher education credential program. Teaching strategies in content specific fields of study taken concurrently with student teaching. May be repeated with new content. See Class Schedule for specific content.

TE 922. Behavioral and Psychological Aspects of Teaching (1-4)
Prerequisites: Admission to single subject credential program. To be taken concurrently with Teacher Education 954 and 963.
Teacher competencies as they relate to learning theories, adolescent growth, self-assessment, measurement and evaluation. May be repeated with new content. See Class Schedule for specific content. Maximum credit four units.

TE 923. Psychological Foundations of Education (1-3)
Prerequisites: Psychology 101 and admission to multiple subject credential program.
Implementing learning process through interactive skills, using instructional principles to facilitate learning and changes in behavior and techniques used in assessing instruction and pupil growth.
TE 930. Teaching Reading and Language Arts in the Elementary School (1-6)
Prerequisite: Admission to multiple subject credential program, education specialist credential program, or possession of a teaching credential.
Selecting, designing, and evaluating appropriate learning experiences to assure children’s growth in reading and language arts. Includes nature of reading and language arts as a human behavior, various approaches, materials, and techniques used in teaching reading and language arts. May be repeated with new content. See Class Schedule for specific content. Maximum credit six units.

TE 933. Teaching of Reading in the Secondary School (3)
Teacher competencies as they relate to the teaching of reading/writing and diagnosing needs in the content areas. For students completing a credential at SDSU, this course must be taken concurrently with enrollment in first or second semester single subject credential program.

TE 934. Humanistic and Social Aspects of Teaching (1-4)
Prerequisites: Admission to single subject credential program and concurrent registration in Teacher Education 922 and 963.
Teacher competencies as they relate to values, awareness, self-concept, rights and responsibilities. May be repeated with new content. See Class Schedule for specific content. Maximum credit four units.

TE 960. Basic Student Teaching Seminar (1-2) Cr/NC
Prerequisites: Admission to multiple subject credential program and concurrent registration in Teacher Education 965.
Discussion of immediate problems in student teaching with emphasis on children’s growth and development.

TE 961. Advanced Student Teaching Seminar (1-2) Cr/NC
Prerequisites: Satisfactory completion of Teacher Education 960, 965, and concurrent registration in Teacher Education 961.
Discussion of immediate problems in student teaching with emphasis on the influence of philosophical, social and cultural factors on learning.

TE 963. Secondary School Student Teaching I (1-6) Cr/NC/RP
Prerequisites: Admission to single subject credential program. To be taken concurrently with Teacher Education 922 and 954. Teacher Education 993 is highly recommended to be taken at this time. Student must provide own transportation to student teaching site.
On-site, part-time experience to implement teacher competencies developed in Teacher Education 922 and 954. Maximum credit six units.

TE 964. Secondary School Student Teaching II (1-12) Cr/NC/RP
Prerequisites: Teacher Education 922, 933, 954, 963. To be taken concurrently with Teacher Education 903. Student must provide own transportation to student teaching site.
On-site, full-day experience to implement teacher competencies as developed from the total professional sequence. Maximum credit twelve units.

TE 965. Basic Student Teaching in Elementary Schools (1-12) Cr/NC/RP
Prerequisites: Admission to multiple subject credential program and concurrent registration in Teacher Education 960.
Day-to-day teaching experiences including selected instructional activities for which a teacher in a classroom is normally responsible.

TE 966. Advanced Student Teaching in Elementary Schools (1-12) Cr/NC/RP
Prerequisites: Satisfactory completion of Teacher Education 960, 965, and concurrent registration in Teacher Education 961.
Teaching experiences including all the instructional activities for which a teacher in a classroom is normally responsible.

TE 967. Elementary School Student Teaching (15) Cr/NC
(Offered only at IVC)
Prerequisites: Admission to multiple subject credential program and concurrent registration in Teacher Education 960 and 961.
On-site, full-day teaching experiences. Two consecutive eight week assignments at two different broad levels of schooling. Each eight week assignment will provide typical responsibilities of teachers through a graduated series of experiences, such as class preparation, instruction of students, maintaining accurate student records, attending faculty meetings and parent conferences.

TE 968. Secondary School Student Teaching (15) Cr/NC
(Offered only at IVC)
Prerequisites: Admission to single subject credential program and concurrent registration in Teacher Education 903.
On-site, full-day teaching experiences. Two consecutive eight week assignments in single subject content area; one in junior high school and one in senior high school. Each eight week assignment will provide typical responsibilities of teachers through a graduated series of experiences, such as class preparation, instruction of students, maintaining accurate student records, attending faculty meetings and parent conferences.

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**Electrical and Computer Engineering**

Refer to “Engineering” in this section of the bulletin.