Department of Educational Leadership and Technology

Department of Educational Leadership and Technology
College of Education Building, Room 374, (909) 537-7404
Department of Educational Leadership and Technology website (http://coe.csusb.edu/departments/elt)
Career and Technical Education website (http://coe.csusb.edu/programs/careerTechnicalEd/undergraduateDegrees)

Bachelor of Arts
Career and Technical Studies

Bachelor of Science
Career and Technical Studies

Minor
Career and Technical Education

Certificate
Career and Technical Education

Certificate Programs
E-Learning
Educational Technology
School Business Management (not offered in the 2018/19-2019/20 Academic Years)

Basic Credential
Designated Subjects Career and Technical Education

Specialist and Services Credentials
Administrative Services Preliminary
Administrative Services Preliminary (Internship)
Administrative Services Professional
Supervision and Coordination of Designated Subjects Program

Master of Arts
Education - Career and Technical Education Option
Education - Instructional Technology Option
Education - Teacher Leadership Option (Offered through the College of Extended Learning)
Educational Administration

Doctor of Education
Educational Leadership

Current Faculty
Nancy Acevedo-Gil, Assistant Professor
B.A. 2006, University of California, Berkeley

M.A. 2009, San Jose State University
Eun-OK Baek, Professor
B.A. 1987, M.Ed. 1993, Chinju National University, Korea
Sidney Burks, Lecturer
Wilbert Greer, Assistant Professor
B.A. 2001, University of California, Riverside
M.A. 2007, California State University, San Bernardino
Ph.D. 2013, Claremont Graduate University
Susan Jindra, Lecturer
B.A. 1972, Columbia University
MILS, 1974, DED 2001, University of Southern California
Amy S.C. Leh, Professor
B.A. 1981, Providence College, Taiwan
Angela Louque, Professor, Chair
B.A. 1983, University of California, Los Angeles
M.A. 1986, Loyola Marymount
Ed.D. 1995, Pepperdine University
Edna Martinez, Assistant Professor
B.S. 2005, M.Ed. 2007, University of Texas, El Paso
Ph.D. 2014, Clemson University
Joseph A. Scarcella, Professor, Interim Chair
Ph.D. 1997, University of Missouri-Columbia
Donna L. Schnorr, Professor
B.A. 1984, Flagler College
M.A. 1986, Boston University
Ph.D. 1998, George Mason University

Emeriti
Patricia Arlin
Brian W. Newberry, Professor
Deborah E. Stine, Professor

Undergraduate Degrees

Bachelor of Arts

• Career and Technical Studies (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/career-technical-studies-ba)

Bachelor of Science

• Career and Technical Studies (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/career-technical-studies-bs)
Graduate Degrees

Master of Arts
- Education - Career and Technical Education Option (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/career-technical-education-mae)
- Education - Instructional Technology Option (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/instructional-technology-mae)
- Education - Teacher Leadership Option (Offered through the College of Extended Learning) (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/teacher-leadership-mae)
- Educational Administration (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/educational-administration-ma)

Doctor of Education
- Educational Leadership (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/educational-leadership-edd)

Minor
- Career and Technical Education Minor (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/career-technical-studies-minor)

Certificate
- Career and Technical Education (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/career-technical-studies-certificate)

Certificate Programs
- E-Learning (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/elearning-certificate)
- Educational Technology (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/educational-technology-certificate)

Basic Teaching Credential Program
- Designated Subjects Career and Technical Education (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/designated-subjects-career-technical-education-teaching-credential)

Specialist and Services Credential Programs
- Administrative Services Preliminary (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/administrative-services-preliminary-credential)
- Administrative Services Preliminary (Internship) (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/administrative-services-professional-credential)
- Supervision and Coordination of Designated Subjects Program (http://bulletin.csusb.edu/colleges-schools-departments/education/educational-leadership-technology/supervision-coordination-designated-subjects-program)

Career and Technical Studies Courses

ECTS 335. Introduction to Career and Technical Studies. 4 Units.
Prerequisites: consent of instructor
Introduction to the history, philosophy, literature and organizations of comprehensive vocational, technical and occupational workforce development programs. Formerly EVOC 335.

ECTS 435. Trends and Issues in Career and Technical Programs. 4 Units.
Assessment of students ability to integrate knowledge and demonstrate independent critical thinking skills through a capstone project relevant to Career and Technical Program subject matter content. Discussion of current trends and issues relevant to Regional Occupational Programs (ROP), adult education programs, and community college programs. Completion and submission of professional portfolio for Career and Technical Competency Evaluation (CTCE) by qualified faculty for recommended credit toward BCTS degree. Formerly EVOC 435.

ECTS 501. Principles and Methods for Teaching Designated Subjects. 4 Units.
Principles and Methods for Teaching Designated Subjects Formerly EVOC 501.

ECTS 502. Instructional Support for Teaching Designated Subjects. 4 Units.
Prerequisites: ECTS 501 or consent of instructor
Examination of instructional support for designated subjects with emphasis on program advisory committees, student placement, facilities planning, budgeting, student organizations, public relations, career advancement and educational philosophy. Formerly EVOC 502.

ECTS 503. Contemporary Issues in Teaching Designated Subjects. 4 Units.
Prerequisites: ECTS 501 or consent of instructor
Examination of contemporary issues in designated subjects with emphasis on individual education plans, basic skills, school law, multicultural activities, special needs students, safety and performance assessment instruments. Formerly EVOC 503.

ECTS 504. Principles of Career and Technical Education. 4 Units.
History, philosophy and social significance of career and technical education, especially in California; investigation of the theories and application of the principles of career and technical education. Formerly EVOC 504.
ECTS 508. Organization and Structure of Career and Technical Programs. 4 Units.
Corequisites: ECTS 509 and 510
Investigation and application of principles of facility planning, budgeting, funding sources and related topics as they apply to career and technical programs. Formerly EVOC 508.

ECTS 509. Personnel Management in Career and Technical Programs. 4 Units.
Corequisites: ECTS 508 and 510
Principles of personnel selection, evaluation, supervision, school law, and related topics as they apply to career and technical programs. Formerly EVOC 509.

ECTS 510. Field Work in Coordination and Supervision of Career and Technical Programs. 4 Units.
Corequisites: ECTS 508 and 509
Supervised field work in supervision and coordination of career and technical programs. Students will contract to perform administrative tasks related to site-based instructional programs. Formerly EVOC 510.

ECTS 518. Field Work in Designated Subjects. 4 Units.
Prerequisite/Corequisite: ECTS 501 and consent of instructor
Supervised field work for the Designated Subjects Teaching Credential. Includes lesson planning and instructional delivery in an actual teaching environment with evaluation of teaching performance by the on-site supervisor. Formerly EVOC 518.

ECTS 519. Computer Applications for Career and Technical Educators. 4 Units.
Application of personal computers to prepare written, graphic, data base, telecommunication and interactive media materials that accommodate diverse populations in career and technical education with an emphasis on English learner needs. Three hours lecture and two hours laboratory. Lecture and laboratory sections must be taken concurrently. Formerly EVOC 519.

ECTS 520. Curriculum Development for Career and Technical Programs. 4 Units.
Prerequisites: ECTS 501 or its equivalent
Theory and principles of curriculum development as they apply to vocational, occupational and professional courses. Students will develop a complete curriculum for a course that they could teach. Formerly EVOC 520.

ECTS 521. Assessing Student Progress. 4 Units.
Prerequisites: ECTSC 520 or consent of instructor
The development and use of evaluation instruments such as written tests, and criterion-referenced and norm-referenced evaluations. Formerly EVOC 521.

ECTS 522. Directing and Managing Occupational Programs. 4 Units.
Prerequisites: ECTS 520 and MGMT 302 or PSYC 302
Principles and techniques of design, implementation, management and evaluation of training organizations and programs. Formerly EVOC 522.

ECTS 523. Learning Theory and Instructional Research Applied to Adult Learners. 4 Units.
Application of psychological principles to learning processes relevant to adult learners. Focus is on informed decisions about psycho-educational designs which will maximize individual development in cognitive, affective, conative, and psychomotor areas. Formerly EVOC 523.

ECTS 540. Topics in Career and technical Education. 2 Units.
Study of selected areas of education topics to be determined by the instructor. May be repeated for credit with consent of the instructor as topics change up to a maximum of 4 units.

ECTS 542A. Seminar in Vocational Education. 1 Unit.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly EVOC 542A.

ECTS 542B. Seminar in Vocational Education. 2 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly EVOC 542B.

ECTS 542C. Seminar in Vocational Education. 3 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly EVOC 542C.

ECTS 542D. Seminar in Vocational Education. 4 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly EVOC 542D.

ECTS 637. Foundations of Career and Technical Studies. 4 Units.
Prerequisites: graduate standing
Historical context, philosophy and development of vocational education. Formerly EVOC 637.

ECTS 638. Critical Issues for the Career and Technical Educator. 4 Units.
Prerequisites: ECTS 637 or consent of instructor
Current legislation, program planning, professional development and current issues in vocational education. Formerly EVOC 638.

ECTS 639. Professional Competencies in Career and Technical Studies. 4 Units.
Prerequisites: ECTS 638 or consent of instructor
Roles of professional organizations, research in vocational education, grant writing and strategies for project evaluation. Formerly EVOC 639.
ECTS 640B. Topics in Education. 2 Units.
Prerequisites: graduate standing and consent of instructor
Study of selected areas of advanced education topics to be determined by the instructor. May be repeated for credit with consent of instructor as topics change. Formerly EVOC 640.

ECTS 640C. Topics in Education. 3 Units.
Prerequisites: graduate standing and consent of instructor
Study of selected areas of advanced education topics to be determined by the instructor. May be repeated for credit with consent of instructor as topics change. Formerly EVOC 640C.

ECTS 640D. Topics in Education. 4 Units.
Prerequisites: graduate standing and consent of instructor
Study of selected areas of advanced education topics to be determined by the instructor. May be repeated for credit with consent of instructor as topics change. Formerly EVOC 640D.

ECTS 999. Comprehensive Examination. 0 Units.
Prerequisites: advancement to candidacy, approval of department, completion of course work in the masters program, and in good academic standing
An assessment of the students ability to integrate the knowledge of the area, show critical and independent thinking and demonstrate mastery of the subject matter. Formerly EVOC 999.

Educational Administration Courses

EADM 514A. School Business Management and Service Functions: Purchasing, Warehousing and Inventory. 2 Units.
A variable topic course on management and service functions in the school business office. May be repeated for credit as topics change.

EADM 514B. School Business Management and Service Functions: Risk Management. 2 Units.
A variable topic course on management and service functions in the school business office. May be repeated for credit as topics change.

EADM 514C. School Business Management and Service Functions: Facilities Planning, Construction. 2 Units.
A variable topic course on management and service functions in the school business office. May be repeated for credit as topics change.

EADM 514D. School Business Management and Service Functions: Facilities Planning, Construction. 2 Units.
A variable topic course on management and service functions in the school business office. May be repeated for credit as topics change.

EADM 514E. School Business Management and Service Functions: Maintenance, Operations and Transportation. 2 Units.
A variable topic course on management and service functions in the school business office. May be repeated for credit as topics change.

EADM 514F. School Business Management and Service Functions: Employee Supervision. 2 Units.
A variable topic course on management and service functions in the school business office. May be repeated for credit as topics change.

EADM 542A. Seminar in Educational Administration. 1 Unit.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor.

EADM 542B. Seminar in Educational Administration. 2 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor.

EADM 542C. Seminar in Educational Administration. 3 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor.

EADM 542D. Seminar in Educational Administration. 4 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor.

EADM 601. Educational Leadership and Ethics. 4 Units.
Prerequisites: admission to Educational Administration program or consent of program coordinator
Introduction to school administration including leadership, vision, and ethics. Explores the theory and practice of school administration and restructuring. The leadership focus includes shared decision-making, problem solving, change management, planning, conflict management, evaluation, and school culture and climate. Must be taken during the first quarter of the program concurrently with EADM 603.

EADM 602. Research Methods in Educational Administration. 4 Units.
Prerequisite/Corequisite: EADM 601, EADM 603, and consent of program coordinator
Introduction to qualitative, quantitative and action research for school administrators using APA guidelines. Includes a proposal for an action research project.

EADM 603. Application of Leadership, Ethics and Organizational Theory. 1 Unit.
Prerequisites: admission to Educational Administration program or consent of program coordinator
Introduction to the assessment and fieldwork component of school administration including leadership, vision, and ethics. Initial assessment of candidate competence on the California Standards of Quality and Effectiveness for Preliminary Administrative Services Credentials. Candidates apply concepts of leadership, ethics and organization developed in EADM 601. Must be taken during the first quarter of the program concurrently with EADM 601.
EADM 607. Culture, Politics and Communication in Diverse Society. 4 Units.
Prerequisite/Corequisite: EADM 601 and EADM 603 or consent of program coordinator
Impact of educational administrators and collaboration with families and community members, responding to diverse community interests and needs, and mobilizing community resources. Emphasis on understanding, responding to, and influencing the larger political, social, economic, legal and cultural context.

EADM 610. Supervision and Evaluation of Teachers. 4 Units.
Prerequisite/Corequisite: EADM 601 and EADM 603, or consent of program coordinator
Supervision of classroom instruction including behavior management, using a variety of theories and models including developmental and clinical supervision. Planning and implementing staff development programs, procedures of documenting classroom teacher performance, and techniques of improving achievement of all students.

EADM 613. School Personnel Management. 4 Units.
Prerequisite/Corequisite: EADM 601 and EADM 603 and admission to the Educational Administration program
Recruitment, selection and evaluation of personnel at all levels of employment, including progressive assistance, conflict management, and file building. Laws and policy development in relationship to school district and collective bargaining.

EADM 617. Cultural and Political Experiences. 1 Unit.
Prerequisite/Corequisite: EADM 601, EADM 603 and EADM 607 or consent of program coordinator
Cultural and political experiences in diverse communities. Additional hours entitled.

EADM 619. Policy, Governance and Legal Aspects of Education. 4 Units.
Prerequisite/Corequisite: EADM 601 and EADM 603
Current laws and court decisions affecting public education with special emphasis on the laws of the State of California.

EADM 620. Practicum in Educational Administration. 1 Unit.
Prerequisite/Corequisite: EADM 601 and admission to Preliminary Administrative Services Credential or consent of program coordinator
Practicum for the Preliminary Administrative Services Credential is designed to fulfill the experiences required in the students induction plan. Student must receive approval of the Practicum Application Form and documentation of completion of an entry level administrative experience selected in consultation with instructor and district mentor. Ninety hours of experience is required.

EADM 621A. Fieldwork in Educational Administration I. 2 Units.
Prerequisites: EADM 601, 603, 610, 620, advancement to candidacy and permission of the program coordinator
Administrative fieldwork at the elementary and the secondary school level, coordinated with the district. Consists of a minimum of 60 hours of administrative fieldwork experience at the elementary and repeated at the secondary level for 2 units and 60 hours at each level for a total of 4 units. Formerly EADM 628.

EADM 621B. Fieldwork in Educational Administration II. 2 Units.
Prerequisites: EADM 601, EADM 617, EADM 621A and EADM 622
Administrative fieldwork at the elementary and the secondary school level, coordinated with the district. Consists of a minimum of 60 hours of administrative fieldwork experience at the elementary and repeated at the secondary level for 2 units and 60 hours at each level for a total of 4 units. Formerly EADM 628.

EADM 622. Curriculum, Instruction and Assessment. 4 Units.
Examines the California and national accountability systems and their impact on curriculum and instruction for both the school district and school site. Includes issues of norm and criteria referenced testing, the role of California state content standards in defining curriculum, instruction and assessment, and how diversity issues relate to accountability, curriculum, and instruction. Practice in use of technology for assessment and instructional decision making. Prerequisites/corequisites: EADM 601 and EADM 603 or consent of program coordinator.

EADM 625. School Finance and Business Management. 4 Units.
Prerequisite/Corequisite: EADM 601 and EADM 603 and admission to the Educational Administration program
Economics of school finances; evolution of the California School Finance Programs; fiscal relationship to county, state and federal agencies; school budget procedures; school accounting; financial management of categorical and special education funds; and the planning, financing, and management of school facilities. Formerly EADM 624.

EADM 626. Issues and Trends in School Administration. 4 Units.
Current theories, research and program in school leadership with an emphasis in practice of social justice, access and student achievement.

EADM 626A. Issues and Trends in School Administration: School Reform. 1 Unit.
Current theories, research and program in school leadership with an emphasis in practice of social justice, access and student achievement.

EADM 626B. Issues and Trends in School Administration: Common Core Standards. 1 Unit.
Current theories, research and program in school leadership with an emphasis in practice of social justice, access and student achievement.

EADM 626C. Issues and Trends in School Administration: S.T.E.M. Programs. 1 Unit.
Current theories, research and program in school leadership with an emphasis in practice of social justice, access and student achievement.
EADM 626D. Issues and Trends in School Administration: Special Education. 1 Unit.
Current theories, research and program in school leadership with an emphasis in practice of social justice, access and student achievement.

EADM 630A. Internship Fieldwork in Educational Administration. 2 Units.
Prerequisites: consent of program coordinator
Field experiences for students enrolled in the Preliminary Administrative Services Credential Program, Internship Option.

EADM 630B. Internship Fieldwork in Educational Administration. 2 Units.
Prerequisites: consent of program coordinator
Field experiences for students enrolled in the Preliminary Administrative Services Credential Program, Internship Option. May be repeated to a maximum of 10 units. Formerly EADM 630.

EADM 660. Advanced Field Studies: Assessment. 3 Units.
Prerequisites: admission to Professional Administrative Services Credential program and permission of the program coordinator
The student, university faculty, and selected district personnel will complete a comprehensive assessment of the candidates utilizing multiple assessment measures and develop a plan for addressing identified needs and continued personal growth. This course is a requisite for or can be taken concurrently with EADM 664, 667, 670, 672, 675, and 678.

EADM 664. Principles of Leadership, Organizational Theory and Decision Making. 3 Units.
Prerequisites: admission to Professional Administrative Services Credential program, completion of, or concurrent enrollment in EADM 660, or permission of program coordinator
Seminar in principles of leadership and organizational theory including a review of leadership styles, a variety of management strategies and human relations skills, dynamics of team building, and effective decision-making are also studied.

EADM 667. Instructional Leadership for Program Development and Evaluation. 3 Units.
Prerequisites: admission to Professional Administrative Services Credential program, completion of, or concurrent enrollment in EADM 660, or permission of program coordinator
Seminar in practical and theoretical issues related to leadership, including effective schools, teacher supervision and evaluation, staff development, instructional management and support, quality control, and computer technology needs of the administrator. These topics provide an opportunity for reflection and discussion on instructional leadership as it relates to program components and development, program evaluation, and evaluation designs and implementation.

EADM 670. School Law. 3 Units.
Prerequisites: admission to Professional Administrative Services Credential program, completion of, or concurrent enrollment in EADM 660, or permission of program coordinator
Seminar on the impact of education law upon the educational administrator and how it can facilitate school leadership, including the study of judicial structure and dynamics of law cases and interpretations on administrative settings.

EADM 672. Human Resource Management. 3 Units.
Prerequisites: admission to Professional Administrative Services Credential program, completion of, or concurrent enrollment in EADM 660, or permission of program coordinator
Seminar in the theory and function of personnel administration as it relates to instructional leadership in schools. School personnel law is reviewed and applied to understanding of political relationships. Fiscal management of personnel resources as related to strategic planning.

EADM 675. School Business and Facility Management. 3 Units.
Prerequisites: admission to Professional Administrative Services Credential program, completion of, or concurrent enrollment in EADM 660, or permission of program coordinator
Seminar on trends and issues in school finance with emphasis on current and innovative procedures including development of a site-based budget; fiscal issues, attendance and student activity accounting; strategic planning; and the planning and utilization of school facilities.

EADM 678. Social Business and Facility Management. 3 Units.
Prerequisites: admission to Professional Administrative Services Credential program, completion of, or concurrent enrollment in EADM 660, or permission of program coordinator
Seminar on the political forces that propel public education at the local, state, and national levels, and the social issues that impact the operation of schools and school districts.

EADM 680. Advanced Field Studies: Evaluation. 3 Units.
Prerequisites: admission to Professional Administrative Services Credential program, EADM 660, 664, 667, 670, 672, 675 and 678 or permission of program coordinator
Exit fieldwork structured to provide the student with an evaluation by university faculty and selected district personnel of progress on the initial program assessment plan and development of a plan for continued growth as an effective school leader.

EADM 681. Vision and Student Learning. 3 Units.
Prerequisites: admission to the Administrative Services Professional Credential program or consent of program coordinator
Development, articulation, implementation, and implementation stewardship of a shared vision among diverse stakeholders to address achievement of all student groups.

EADM 682. Instructional Leadership. 3 Units.
Prerequisites: EADM 681
Shaping a collaborative culture of teaching and learning focused on student and professional growth.

EADM 683. Resource Management of the Learning Environment. 3 Units.
Prerequisites: admission to the Administrative Services Professional Credential program or consent of program coordinator
Management of a safe, respectful learning environment with established structures, policies, organization, operations, procedures and alignment of fiscal and human resources to focus on meeting the intellectual, linguistic, cultural, social-emotion, and physical needs of each learner.
EADM 684. Family and Community Engagement. 3 Units.
Prerequisite/Corequisite: EADM 683. Prerequisite: admission to the Administrative Services Professional Credential program or consent of program coordinator.
Collaboration with families and other stakeholders to address diverse student and community interests and mobilize community resources.

EADM 685. Ethics and Integrity. 3 Units.
Prerequisites: admission to the Administrative Services Professional Credential program or consent of program coordinator.
Demonstrating professionalism, ethics, integrity, justice, and equity through decision-making, modeling and behavior as administrators and expecting staff to hold to same standard.

EADM 686. External Context and Policy. 3 Units.
Prerequisites: admission to the Administrative Services Professional Credential program or consent of program coordinator.
Prerequisite/Corequisite: EADM 685.
Influencing political, social, economic, legal and cultural contexts affecting education to improve education policies and practices.

EADM 687. Coaching and Assessment Practicum I. 2 Units.
Provide the educational leader an individual assessment and support plan. Student will work with a certified coach on development of their administrative skills based on the California Professional Standards for Educational Leaders (CPSELS). First of six courses in a sequence.

EADM 689. Coaching and Assessment Practicum III. 2 Units.
Provide the educational leader an individual assessment and support plan. Student will work with a certified coach on development of their administrative skills based on the California Professional Standards for Educational Leaders (CPSELS). Third of six courses in a sequence.

EADM 690. Coaching and Assessment Practicum IV. 2 Units.
Provide the educational leader an individual assessment and support plan. Student will work with a certified coach on development of their administrative skills based on the California Professional Standards for Educational Leaders (CPSELS). Fourth of six courses in a sequence.

EADM 691. Coaching and Assessment Practicum V. 2 Units.
Provide the educational leader an individual assessment and support plan. Student will work with a certified coach on development of their administrative skills based on the California Professional Standards for Educational Leaders (CPSELS). Fifth of six courses in a sequence.

EADM 692. Comprehensive Evaluation in Educational Administration. 4 Units.
Prerequisite/Corequisite: EADM 627; advancement to candidacy and permission of program coordinator. Corequisite: EADM 999.
Review and preparation for the written comprehensive examination.
Formerly EADM 633. Prerequisites EADM 601, EADM 603, EADM 607, EADM 610, EADM 613, EADM 617, EADM 620, EADM 621A and EADM 621B (or EADM 630), EADM 622, and EADM 625.

EADM 693. Coaching and Assessment Practicum VI. 2 Units.
Provide the educational leader an individual assessment and support plan. Student will work with a certified coach on development of their administrative skills based on the California Professional Standards for Educational Leaders (CPSELS). Sixth of six courses in a sequence.

EADM 699. Masters Thesis in Educational Administration. 4 Units.
Prerequisites: advancement to candidacy, EADM 601, EADM 602, EADM 604, EADM 607, EADM 610, EADM 613, EADM 616, EADM 619, EADM 622, EADM 625 and EADM 628 and permission of program coordinator.
Independent graduate research conducted under the direction of two program faculty members.

EADM 730. Politics, Legislative Action and Educational Change. 4 Units.
Prerequisites: admission to the Ed.D. program; COMM 522; and PA 662 or MGMT 641.
Processes governing the development of educational policy, including significant laws, legal principles, recent litigation, board relationships and labor management relations. Focuses on connections between legislative and judicial action and the social, political and economic forces affecting education. Covers the interactions and relationships between public and charter schools.

EADM 732. Fiscal Planning and Facilities Management. 5 Units.
Prerequisites: admission to the Ed.D. program; COMM 522; and PA 662 or MGMT 641.
Methods of financing public education. Identifies budgeting and accounting techniques used by school districts in support of the instructional process and considers legal requirements and public reactions to the financing of education and resource allocation to achieve student outcomes. Explores facilities issues. Four hours lecture and two hours practicum.

EADM 736. Instructional Leadership and Learning Strategies. 4 Units.
Prerequisites: EADM 730 and 732.
Covers standards, curriculum, instructional strategies, supervision, trends, and innovations.

EADM 738. Assessment and Evaluation. 5 Units.
Prerequisites: EADM 734 and EADM 736.
Assessment and evaluation of student learning, tests and measurements, measurement theory and using data for improvement. Four hours lecture and two hours practicum.

EADM 999. Comprehensive Examination in Education Administration. 0 Units.
Prerequisites: approval of prospectus by the students advisory committee, advancement to candidacy, completion of all other required courses for the M.A. or consent of department.
Independent graduate research culminating in a written thesis.
Environmental Education Courses

EENV 601B. Graduate Independent Study. 2 Units.
Prerequisites: EENV 635, consent of advisor, and approval of a written proposal by the graduate program coordinator.
Graduate level independent study to be conducted under direct supervision of a faculty member. No more than four units may be applied toward the masters degree.

EENV 601D. Graduate Independent Study. 4 Units.
Prerequisites: EENV 635, consent of advisor, and approval of a written proposal by the graduate program coordinator.
Graduate level independent study to be conducted under direct supervision of a faculty member. No more than four units may be applied toward the masters degree.

EENV 620. Using Children's Literature to Teach Environmentally. 4 Units.
In-depth study of children's literature as it applies to both classroom and outdoor settings. Emphasis on evaluating literature for environmental concepts and utilizing strategies for interdisciplinary instruction. Formerly EENV 670E.

EENV 635. Environmental Education in the Curriculum. 4 Units.
An introductory course on integrating into the curriculum environmental concepts and values concerning the relationship of people with their natural and physical surroundings. Review of curricula, conceptual frameworks, resources and methods.

EENV 636. Teaching Current Environmental Issues. 2 Units.
Prerequisite/Corequisite: EENV 635
Examines local relevant environmental issues and teaching strategies that can assist in understanding and analyzing these issues. Formerly EENV 670A.

EENV 642. Developing the Curriculum through Outdoor Education. 4 Units.
Prerequisites: EENV 635
Procedures and instructional materials for teaching out of doors and the integration of environmental education into the curriculum. Includes program development for resident outdoor school.

EENV 643. Community Resources for Environmental Education. 4 Units.
Prerequisites: EENV 635
Application of teaching resources and environmental issues. Survey of resource agencies. Organized visits to educational sites.

EENV 644A. Seminar in Environmental Education. 1 Unit.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with the consent of the instructor.

EENV 644B. Seminar in Environmental Education. 2 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with the consent of the instructor.

EENV 644C. Seminar in Environmental Education. 3 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with the consent of the instructor.

EENV 644D. Seminar in Environmental Education. 4 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with the consent of the instructor.

EENV 650. Selected Topics in Environmental Education. 4 Units.
Prerequisites: EENV 635
Techniques, topics and skills in environmental education, to be developed by the instructor. Formerly EENV 670K.

EENV 651. Historical and Contemporary Readings in Environmental Education. 4 Units.
Prerequisites: EENV 635
Seminar based on selected historical and contemporary readings in environmental education. Formerly EENV 670B.

EENV 652. Nature Study in Environmental Education. 4 Units.
Strategies for designing and implementing nature study in educational settings. Formerly EENV 670L.

EENV 654. Fundraising Fundamentals in Environmental Education. 4 Units.
Techniques and methods for resource acquisition for environmental education programs.

EENV 656. Water Education in Environmental Education. 4 Units.
Strategies for design and implementation of water study in educational settings.

EENV 664. Research in Environmental Education. 4 Units.
Prerequisites: EENV 635 and consent of advisor
Focus on recent developments in the field of environmental education research with emphasis on developing an introduction to a project/thesis and applicable literature review.

EENV 679B. Fieldwork: Environmental Education. 2 Units.
Prerequisites: EENV 635 and consent of program advisor
Field experiences apply academic skills including demonstration of leadership roles in curriculum planning, presentations and professional development related to environmental education. May be repeated as elective for a total of six units. Graded credit/no credit.
EENV 679C. Fieldwork: Environmental Education. 3 Units.
Prerequisites: EENV 635 and consent of program advisor
Field experiences apply academic skills including demonstration of leadership roles in curriculum planning, presentations and professional development related to environmental education. May be repeated as elective for a total of six units. Graded credit/no credit.

EENV 679D. Fieldwork: Environmental Education. 4 Units.
Prerequisites: EENV 635 and consent of program advisor
Field experiences apply academic skills including demonstration of leadership roles in curriculum planning, presentations and professional development related to environmental education. May be repeated as elective for a total of six units. Graded credit/no credit.

EENV 697. Masters Degree Project. 4 Units.
Prerequisites: advancement to candidacy and approval of a project plan by the students advisory committee
Independent graduate study conducted under the guidance of a program advisor and resulting in a written project.

EENV 699. Thesis. 4 Units.
Prerequisites: advancement to candidacy and approval of thesis plan by students advisory committee
Independent graduate research conducted under the guidance of a program advisor and resulting in a written thesis.

EENV 999. Comprehensive Examination. 0 Units.
Prerequisites: advancement to candidacy, approval of program coordinator, in last quarter of coursework or completed coursework for the program, and a 3.0 grade point average or higher in courses in program plan
An assessment of the student's ability to integrate the knowledge of environmental education, show critical and independent thinking and demonstrate mastery of the subject matter.

Instructional Technology Courses

ETEC 500. Foundations in Instructional Education. 4 Units.
Introduction to instructional technology and its foundations. Includes electronic media, operating systems, networks and multimedia in educational and corporate environments. This is a prerequisite for all other ETEC courses; an IT orientation with program faculty/advisors will be part of the first week of the course. Formerly ETEC 547.

ETEC 501. Foundations of e-Learning. 4 Units.
Introduction to theoretical and practical foundations of e-Learning. Explorations of history, trends, current issues, and practices of e-Learning.

ETEC 537. Computer Based Technology in Education I. 4 Units.
Operations, terminology and components of computing systems. Emphasis on the appropriate use of computer-based technology for information collection, analysis and management in the instructional setting. No programming or previous computer experience required. With program approval, students may take CSE140 or CSE 141 in lieu of ETEC 537. One hour lecture and two hours laboratory. Meets Level I competencies for the preliminary credential.

ETEC 541. E-Learning Design and Development. 4 Units.
Examination and application of e-Learning design and development principles and practices.

ETEC 542A. Seminar in Instructional Technology. 1 Unit.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Graded credit/no credit.

ETEC 542B. Seminar in Instructional Technology. 2 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Graded credit/no credit.

ETEC 542C. Seminar in Instructional Technology. 3 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Graded credit/no credit.

ETEC 542D. Seminar in Instructional Technology. 4 Units.
Prerequisites: graduate standing or consent of instructor
Intensive study of topics and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Graded credit/no credit.

ETEC 543. Technology and Learning I. 4 Units.
Prerequisites: ETEC 500
Explores connections between technology and the teaching and learning process through current research in instructional technology and learning theories.

ETEC 544. Design and Development of Instructional Materials I. 4 Units.
Prerequisites: ETEC 500
Examination of various models of instructional design and procedures used in the production of instructional materials.

ETEC 546. Computer Based Technology in Education II. 4 Units.
Application of computer-based technology for information collection, analysis and management to support teaching, learning and learning environments. Meets technology competencies for the professional credential. Three hours lecture and two hours laboratory.
ETEC 614. Needs Assessment: Issues and Techniques. 4 Units.
Prerequisites: ETEC 500, 543, and 544 or consent of instructor
Principles and techniques in identifying needs and discrepancies between status quo and ideal status from the perspectives of organizational and instructional development. Formerly ETEC 612.

ETEC 617. Instructional Development and Change Process. 4 Units.
Prerequisites: ETEC 500, 544, and 614 or consent of instructor
Theories and methods for evaluating each stage of instructional product development processes and change theory relate to adoption of instructional products. Formerly ETEC 611.

ETEC 621. Reading/Language Arts with Technology Integrations. 4 Units.
Prerequisites: ETEC 546 or equivalent
Using technology to enhance teaching of literacy and language. Emphasis is on building curriculum that effectively uses computers and other technology. Staff development and leadership in designing models of integration into language arts will be explored. Three hours lecture and two hours laboratory.

ETEC 623. Technology for Educational Leaders. 4 Units.
Prerequisites: ETEC 500 or consent of instructor
Assisting educational leaders in developing the knowledge and skills needed to apply computer technology to educational settings.

ETEC 624. Website Design and Development. 4 Units.
Prerequisites: ETEC 500. Formerly a topic under ETEC 676D
Planning, designing and developing dynamic websites for learning.

ETEC 625. Interactive Animation Design and Development. 4 Units.
Prerequisites: ETEC 500
Planning, designing, and developing vector graphics, animation and interactive multimedia for learning. Formerly a topic under ETEC 676D.

ETEC 634. Information Systems in Education. 4 Units.
Information systems providing history, current development and future potential of on-line and off-line data bases. Methods of search and retrieval of on-line and off-line information will be explored. Three hours lecture and two hours laboratory.

ETEC 643. Technology and Learning II. 4 Units.
Prerequisites: EDUC 607, ETEC 500 and 543
Explores connections between technology and the teaching and learning process through a study of research design, data collection and analysis. Emphasis on conducting research in instructional technology and learning theories for M.A. research project.

ETEC 644. Design and Development of Instructional Materials II. 4 Units.
Prerequisites: ETEC 500 and ETEC 544
Advanced application of instructional design models and procedures to produce instructional materials for the M.A. project.

ETEC 648. E-Learning Delivery and Evaluation. 4 Units.
Examination of various models, strategies, and issues of e-Learning delivery. Exploration of assessment on student learning and e-Learning effectiveness.

ETEC 674. E-Learning Technology and Media. 4 Units.
Examination of current technology tools and instructional methods for effective instruction on e-Learning.

ETEC 676B. Advanced Topics in Instructional Technology. 2 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 676C. Advanced Topics in Instructional Technology. 3 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 676D. Advanced Topics in Instructional Technology. 4 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 676E. Advanced Topics in Instructional Technology. 5 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 676F. Advanced Topics in Instructional Technology. 6 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 676G. Advanced Topics in Instructional Technology. 7 Units.
Intensive study of advanced topics such as multimedia, interactive communication technology, networking and problems in education. May be repeated for credit as subject matter changes and with consent of instructor. Formerly ETEC 675.

ETEC 692. Practicum in Educational Technology. 4 Units.
Prerequisites: ETEC 500 or consent of instructor
Application of educational technology theories in field settings. Directed experiences in educational or corporate settings. Requires a written agreement with a sponsoring agency and departmental approval of that agreement. Graded credit/no credit.
ETEC 699. Masters Degree Project. 4 Units.
Assisting Instructional Technology Masters students in completing their M.A. project.

ETEC 999. Comprehensive Examination. 0 Units.
Prerequisites: advancement to candidacy, approval of department, completion of course work in the masters program, and in good academic standing
An assessment of the students ability to integrate the knowledge of the area, show critical and independent thinking and demonstrate mastery of the subject matter.

School Business Management Courses

ESBM 311. School Business Management. 4 Units.
Analysis of various approaches to school business administration, current trends, use of technology models of organization and management, relationship to county, state, and federal agencies, and functions of business management in relation to the size of school districts. Formerly EADM 511.

ESBM 312. School Finance and Budgeting. 4 Units.
Legal considerations in finance and budgeting, evaluation of California school finance program, fiscal relationship to county, state and federal agencies, budget control, school revenues and expenditures and budgetary procedures and processes and risk management. Formerly EADM 512.

ESBM 313. School Accounting and Fiscal Operations. 4 Units.
School fund accounting, attendance accounting, organization and review of student body accounts, state and federal project funding, and certificated and classified payroll laws and regulations pertaining to school accounting procedures. Formerly EADM 513.

ESBM 314. Business Support and Service Operations; Purchasing Warehousing and Inventory. 2 Units.
Purchasing, warehousing, logistics and inventory in the educational setting.

ESBM 315. Facilities Planning, Construction and Risk Management. 2 Units.
School facility planning and construction in the educational setting.

ESBM 316. School Maintenance, Operations and Transportation. 2 Units.
Maintenance, operations and transportation in the educational setting.

ESBM 317. Legal Aspects of Classified Personnel Administration. 4 Units.
Current laws and court decisions affecting public school education with a focus on classified personnel administration and laws of California. Formerly EADM 519.

ESBM 318. Classified Personnel Administration and Supervision. 4 Units.
Recruitment, selection, induction, training, evaluation and contract negotiations involving classified employees under merit and non-merit systems. Formerly EADM 525.

ESBM 320. Fieldwork in School Business Management. 2 Units.
Prerequisites: ESBM 311, 312, 313, 314, 315, 316, 317, 318
Practicum experience at the district level that allows the candidate to observe and learn multiple responsibilities of the Chief Business Official.