

Education-Career and Technical Studies (ECTS)

Courses

ECTS 3350. Introduction to Career and Technical Studies. Units: 3

Quarter Prerequisite: consent of instructor

Introduction to the history, philosophy, literature and organizations of comprehensive vocational, technical and occupational workforce development programs. Formerly offered as ECTS 3350.

ECTS 4350. Trends and Issues in Career and Technical Programs. Units: 3

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 offered as ECTS 435.

ECTS 5010. Principles and Methods for Teaching Designated Subjects. Units: 3

Introduction to the principles and methods for teaching designated subjects. Offered as ECTS 5010 and ECTS 6010, students may not receive credit for both. Formerly offered as ECTS 501.

ECTS 5015. Working Around the World. Units: 3

The effects of religion, language and culture, political structure, economics, and physical environment on the development of the workplace and people's perceptions of work and occupations.

ECTS 5020. Instructional Support for Teaching Designated Subjects. Units: 3

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. Offered as ECTS 5020 and ECTS 6020; students may not receive credit for both. Formerly offered as ECTS 502.

ECTS 5025. Technological Literacy. Units: 3

This course explores technological concepts and their impact on individuals, society, and culture. Technology as a human adaptive system and its relationship to sociological and ideological systems is discussed.

ECTS 5030. Contemporary Issues in Teaching Designated Subjects. Units: 3

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. Offered as ECTS 5030 and ECTS 6030; students may not receive credit for both. Formerly offered as ECTS 530.

ECTS 5035. Technology, Ethics, and Society. Units: 3

A framework for understanding how human societies transform themselves through technological innovation. Ethical questions concerning the social effects of technological change.

ECTS 5040. Principles of Career and Technical Education. Units: 3

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. Offered as ECTS 5040 and ECTS 6040; students may not receive credit for both. Formerly offered as ECTS 504.

ECTS 5080. Organization and Structure of Career and Technical Programs. Units: 3

Investigation and application of principles of facility planning, budgeting, funding sources and related topics as they apply to career and technical programs. Offered as ECTS 5080 and ECTS 6080; students may not receive credit for both. Formerly offered as ECTS 508.

ECTS 5090. Personnel Management in Career and Technical Programs. Units: 3

Semester Prerequisite: ECTS 5080 or ECTS 6080
Principles of personnel selection, evaluation, supervision, school law, and related topics as they apply to career and technical programs. Offered as ECTS 5090 and ECTS 6090; students may not receive credit for both. Formerly offered as ECTS 509.

ECTS 5100. Field Work in Coordination and Supervision of Career and Technical Programs. Units: 3

Semester Prerequisite: ECTS 5090 or ECTS 6090
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. Offered as ECTS 5100 and ECTS 6100; students may not receive credit for both. Formerly offered as ECTS 510.

ECTS 5180. Field Work in Designated Subjects. Units: 3

Quarter 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. Offered as ECTS 5180 and ECTS 6180; students may not receive credit for both. Formerly offered as ECTS 518.

ECTS 5190. Instructional Technology for Career and Technical Educators. Units: 3

Application of instructional technology 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. Offered as ECTS 5190 and ECTS 6190; students may not receive credit for both. Formerly offered as ECTS 519.

ECTS 5200. Curriculum Development for Career and Technical Programs. Units: 3

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. Offered as ECTS 5200 and ECTS 6200; students may not receive credit for both. Formerly offered as ECTS 520.

ECTS 5210. Assessing Student Progress. Units: 3

The development and use of evaluation instruments such as written tests, and criterion-referenced and norm-referenced evaluations. Offered as ECTS 5210 and ECTS 6210; students may not receive credit for both. Formerly offered as ECTS 521.

ECTS 5220. Directing and Managing Occupational Programs. Units: 3

Principles and techniques of design, implementation, management and evaluation of training organizations and programs. Offered as ECTS 5220 and ECTS 6220; students may not receive credit for both. Formerly offered as ECTS 522.

ECTS 5230. Learning Theory and Instructional Research. Units: 3

Application of psychological principles to learning processes relevant to all learners. Focus is on informed decisions about psycho-educational designs which will maximize individual development in cognitive, affective, and psychomotor areas. Offered as ECTS 5230 and ECTS 6230; students may not receive credit for both. Formerly offered as ECTS 523.

ECTS 5410. Topics in Career and technical Education. Units: 3

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. Offered as ECTS 5410 and ECTS 6410, students may not receive credit for both courses with the same topic. Formerly offered as ECTS 540.

ECTS 5421. Seminar in Designated Subjects Education. Unit: 1

Quarter Prerequisite: 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. Offered as ECTS 5421 and ECTS 6421; students may not receive credit for both courses with the same topic. Formerly offered as ECTS 542.

ECTS 5422. Seminar in Designated Subjects Education. Units: 2

Quarter Prerequisite: 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. Offered as ECTS 5422 and ECTS 6422; students may not receive credit for both courses with the same topic. Formerly offered as ECTS 542B.

ECTS 5423. Seminar in Designated Subjects Education. Units: 3

Quarter Prerequisite: 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. Offered as ECTS 5423 and ECTS 6423; students may not receive credit for both courses with the same topic. Formerly offered as ECTS 5423.

ECTS 5500. Engineering for Educators. Units: 3

This course is designed for those professionals teaching Engineering and Technology courses K-12. The course covers analysis and implementation of effective learning, thinking, modeling, and tool practices as well as standards associated with high quality teaching and leadership in Engineering and Technology education. Offered as ECTS 5500 and ECTS 6500; students may not receive credit for both.

ECTS 5560. Graduate Intensive Academic Writing. Units: 3

Writing related to education including documented research reports, evaluations, and analytical papers. Revision and rewriting will be required. Course fulfills the upper-division writing requirement.

ECTS 5951. Independent study in designated subjects. Unit: 1

Independent study in designated subjects as needed to fulfill graduation requirements. Individualized course requirements will be specified in each course syllabi to meet necessary standards and evaluative measures. Department consent required.

ECTS 5952. Independent study in designated subjects. Units: 2

Independent study in designated subjects as needed to fulfill graduation requirements. Individualized course requirements will be specified in each course syllabi to meet necessary standards and evaluative measures. Department consent required.

ECTS 5953. Independent study in designated subjects. Units: 3

Independent study in designated subjects as needed to fulfill graduation requirements. Individualized course requirements will be specified in each course syllabi to meet necessary standards and evaluative measures. Department consent required.

ECTS 6001. Independent study in designated subjects. Unit: 1

Independent study in designated subjects as needed to fulfill graduation requirements. Individualized course requirements will be specified in each course syllabi to meet necessary standards and evaluative measures. Department consent required.

ECTS 6002. Independent study in designated subjects. Units: 2

Independent study in designated subjects as needed to fulfill graduation requirements. Individualized course requirements will be specified in each course syllabi to meet necessary standards and evaluative measures. Department consent required.

ECTS 6003. Independent study in designated subjects. Units: 3

Independent study in designated subjects as needed to fulfill graduation requirements. Individualized course requirements will be specified in each course syllabi to meet necessary standards and evaluative measures. Department consent required.

ECTS 6010. Principles and Methods for Teaching Designated Subjects. Units: 3

Introduction to the principles and methods for teaching designated subjects. Offered as ECTS 5010 and ECTS 6010, students may not receive credit for both. Formerly offered as ECTS 501.

ECTS 6015. Working Around the World. Units: 3

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ECTS 6080. Organization and Structure of Career and Technical Programs. Units: 3

Investigation and application of principles of facility planning, budgeting, funding sources and related topics as they apply to career and technical programs. Offered as ECTS 5080 and ECTS 6080; students may not receive credit for both. Formerly offered as ECTS 508.

ECTS 6090. Personnel Management in Career and Technical Programs. Units: 3

Semester Prerequisite: ECTS 5080 or ECTS 6080

Principles of personnel selection, evaluation, supervision, school law, and related topics as they apply to career and technical programs. Offered as ECTS 5090 and ECTS 6090; students may not receive credit for both. Formerly offered as ECTS 509.

ECTS 6100. Field Work in Coordination and Supervision of Career and Technical Programs. Units: 3

Semester Prerequisite: ECTS 5090 or ECTS 6090

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. Offered as ECTS 5100 and ECTS 6100; students may not receive credit for both. Formerly offered as ECTS 510.

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Quarter Corequisite: ECTS 501 and consent of instructor

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ECTS 6190. Instructional Technology for Career and Technical Educators. Units: 3

Application of instructional technology 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. Offered as ECTS 5190 and ECTS 6190; students may not receive credit for both. Formerly offered as ECTS 519.

ECTS 6200. Curriculum Development for Career and Technical Programs. Units: 3

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. Offered as ECTS 5200 and ECTS 6200; students may not receive credit for both. Formerly offered as ECTS 520.

ECTS 6210. Assessing Student Progress. Units: 3

The development and use of evaluation instruments such as written tests, and criterion-referenced and norm-referenced evaluations. Offered as ECTS 5210 and ECTS 6210; students may not receive credit for both. Formerly offered as ECTS 521.

ECTS 6220. Directing and Managing Occupational Programs. Units: 3

Principles and techniques of design, implementation, management and evaluation of training organizations and programs. Offered as ECTS 5220 and ECTS 6220; students may not receive credit for both. Formerly offered as ECTS 522.

ECTS 6230. Learning Theory and Instructional Research. Units: 3

Application of psychological principles to learning processes relevant to all learners. Focus is on informed decisions about psycho-educational designs which will maximize individual development in cognitive, affective, and psychomotor areas. Offered as ECTS 5230 and ECTS 6230; students may not receive credit for both. Formerly offered as ECTS 523.

ECTS 6350. Research in Career and Technical Education. Units: 3

Analysis and implementation of quantitative, qualitative, and mixed method research in Career and Technical Education.

ECTS 6370. Foundations of Career and Technical Studies. Units: 3

Quarter Prerequisite: graduate standing
Historical context, philosophy and development of vocational education. Formerly offered as ECTS 637.

ECTS 6380. Critical Issues for the Career and Technical Educator. Units: 3

Quarter Prerequisite: ECTS 637 or consent of instructor
Current legislation, program planning, professional development and current issues in vocational education. Formerly offered as ECTS 638.

ECTS 6390. Professional Competencies in Career and Technical Studies. Units: 3

Quarter Prerequisite: ECTS 638 or consent of instructor
Roles of professional organizations, research in vocational education, grant writing and strategies for project evaluation. Formerly offered as ECTS 639.

ECTS 6401. Topics in Education. Unit: 1

Quarter Prerequisite: 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.

ECTS 6402. Topics in Education. Units: 2

Quarter Prerequisite: 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.

ECTS 6403. Topics in Education. Units: 3

Quarter Prerequisite: graduate standing and consent of instructor
Study of selected areas of advanced education topics to be determined the instructor. May be repeated for credit with consent of instructor as topics change.

ECTS 6410. Topics in Career and technical Education. Units: 3

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. Offered as ECTS 5410 and ECTS 6410, students may not receive credit for both courses with the same topic. Formerly offered as ECTS 540.

ECTS 6421. Seminar in Designated Subjects Education. Unit: 1

Quarter Prerequisite: 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. Offered as ECTS 5421 and ECTS 6421; students may not receive credit for both courses with the same topic. Formerly offered as ECTS 542.

ECTS 6422. Seminar in Designated Subjects Education. Units: 2

Quarter Prerequisite: 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. Offered as ECTS 5422 and ECTS 6422; students may not receive credit for both courses with the same topic. Formerly offered as ECTS 542B.

ECTS 6423. Seminar in Designated Subjects Education. Units: 3

Quarter Prerequisite: 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. Offered as ECTS 5423 and ECTS 6423; students may not receive credit for both courses with the same topic. Formerly offered as ECTS 5423.

ECTS 6500. Engineering for Educators. Units: 3

This course is designed for those professionals teaching Engineering and Technology courses K-12. The course covers analysis and implementation of effective learning, thinking, modeling, and tool practices as well as standards associated with high quality teaching and leadership in Engineering and Technology education. Offered as ECTS 5500 and ECTS 6500; students may not receive credit for both.

ECTS 6980. Comprehensive Examination. Units: 0

Quarter Prerequisite: Advancement to candidacy, approval of department, completion of course work in the Master Program, and in good academic standing
An assessment of student ability to integrate the knowledge of the area, show critical and independent thinking and demonstrate mastery of the subject matter. Formerly offered as ECTS 999. Department consent required.