CAREER AND TECHNICAL EDUCATION (CTE)

CTE 2000 (s) Seminar (1-16 credits, max 99)
Credit arranged

CTE 2030 (s) Workshop (1-16 credits, max 99)
Credit arranged

CTE 2040 (s) Special Topics (1-16 credits, max 99)
Credit arranged

CTE 2980 (s) Internship (1-16 credits, max 99)
Credit arranged

CTE 2990 (s) Directed Study (1-16 credits, max 99)
Credit arranged

CTE 3510 Principles and Philosophy of Career and Technical Education (3 credits)
Joint-listed with CTE 5510
Overview and interpretation of history, aims, and purposes of public education and professional-technical education; issues and programs comprising professional-technical education in Idaho and in the nation. Additional projects/assignments required for graduate credit.

CTE 3530 Manufacturing Systems (3 credits)
In-depth examination and implementation of manufacturing theory and processes including research and development, product planning and controlling. Topics, such as Lean Manufacturing, Kanban, relating to manufacturing facilities and management of manufacturing processes, will be discussed, studied and implemented in the manufacture of a designed product in quantity.

CTE 3700 Transportation & Engineering Technologies (3 credits)
Students will explore various forms of renewable energy and transportation systems. They will also work in teams to propose solutions to power, energy, and transportation issues. Students will research, design, build, and evaluate their potential solutions in a hands-on laboratory environment. Recommended Preparation: MATH 1143 and PHYS 1111.

CTE 3980 (s) Internship (1-16 credits, max 99)
Credit arranged

CTE 4000 (s) Seminar (1-16 credits, max 99)
Credit arranged

CTE 4030 (s) Workshop (1-16 credits, max 99)
Credit arranged. Graded Pass/Fail.
Prereqs: Permission

CTE 4040 (s) Special Topics (1-16 credits, max 99)
Credit arranged

CTE 4050 (s) Professional Development (1-16 credits, max 99)
Joint-listed with CTE 5050
Credit arranged. Credits earned in this course will not be accepted toward graduate degree programs. Professional development and enrichment. Additional projects/assignments required for graduate credit.

CTE 4100 Technology & Society (3 credits)
In-depth examination and implementation of the relationship between technology and social change; previous course work in technology is not essential.

CTE 4130 Retail Merchandising for Marketing Education (3 credits)
Designed for marketing teacher preparation. Contemporary information and activities that address retail merchandising, including standards and curriculum resources for secondary and two-year technical college courses. Curriculum standards, educational resources, careers, the role of retail, and the operation of a retail business that includes market analysis, store layout, and merchandising. Recommended Preparation: MKTG 3210.

CTE 4150 Productivity Software in Business Education (3 credits)
Advanced computer applications course designed primarily for business teacher education students; includes extensive hands-on experience using word processing, spreadsheet, and database programs used in both industry and business education programs; addresses methodology, curriculum development, and classroom management techniques.

CTE 4160 Website Design and Development (3 credits)
Basics of html, advanced use of web development applications for purposes of creating effective websites that incorporate accepted design principles, taught in the context of Professional-Technical Education.

CTE 4180 Teaching Economics and Personal Finance (3 credits)
In-depth examination and implementation of methods and materials for teaching economics and personal finance.
Prereqs: ECON 2201 or equivalent

CTE 4190 Database Applications and Information Management (3 credits)
Joint-listed with CTE 5190
Teaching and training strategies for database applications. Includes database management principles and methods of information retrieval, processing, storage, and distribution. Additional work required for graduate credit.

CTE 4200 Assessment in Contextual Learning Environments (3 credits)
Methods of assessing in contextual and hands-on learning environments. Includes authentic assessment of project based learning.

CTE 4260 Occupational Analysis and Curriculum Development (3 credits)
Instructional design systems and curriculum development as a systematic method of designing, carrying out, and evaluating the total process of teaching and learning; based on research in human learning and communication, employing a combination of human and non-human resources to bring about effective instruction. Focus on secondary and post-secondary professional/technical education.

CTE 4300 Leadership and Student Organizations (2 credits)
Development of leadership skills; instruction in planning, implementation, and supervision of professional-technical student organizations; and participation in regional leadership conferences.

CTE 4310 Supervising CTE Career and Technical Student Organizations (1-3 credits, max 3)
Supervising CTE CTSOs involves active participation in career and technical student organization (CTSOs). Students assist in the administration and supervision of secondary regional and/or state CTSO conferences, and involve themselves with content area post-secondary CTSO competitive events program. Students are responsible for arranging and financing travel to appropriate CTSO events.

CTE 4470 Diverse Populations and Individual Differences (2-3 credits)
Examines the impact of individual differences on teaching and learning.

CTE 4600 Desktop Publishing (3 credits)
Advanced desktop publication techniques, concepts, and applications through use of computer technology; planning, layout, and design of publications are highlighted. Recommended Preparation: CTE 4150.

CTE 4620 Communication Technology (3 credits)
Investigation and laboratory activities associated with a variety of communication technologies, including interpersonal, human to machine and machine to machine, through contemporary devices and materials. Recommended Preparation: CTE 4150.

CTE 4640 Career Guidance and Transitioning to Work (3 credits)
Designed for career development counselors and facilitators; establishment of the three pillars of career guidance and how to implement the steps for developing a comprehensive individualized career plan.

CTE 4720 Teaching and Learning in Organizations (3 credits)
Students examine research-based approaches to facilitate learning outcomes for occupational educators in post-secondary, secondary and private sector contexts; Instructional strategies and materials will be considered and developed to facilitate learning in technical skills, related applied academics, and workplace readiness knowledge and dispositions.

CTE 4840 (s) Internship in Career and Technical Education Teaching (3-14 credits, max 28)
Guided observation, supervised instruction, and comprehensive team and independent teaching in school settings.
Prereqs: Admission to teacher education program
Coreqs: EDCI 4010

CTE 4920 Business and Marketing Education Methods (3 credits)
Teaching pedagogy, instructional materials and student evaluation strategies in business and marketing education.
Prereqs: Permission

CTE 4940 Senior Project (3 credits)
In the last year of study, students select an individual design project related to their area of specialization within technology education. Some students may have the option of joining a senior design team in the College of Engineering. Project must be approved by instructor.

CTE 4950 Administrative Technology Management and Procedures (3 credits)
Administrative office procedures and management techniques, advanced business document preparation, intermediate/advanced keyboarding skills, and ARMA filing rules. Recommended Preparation: CTE 4150 and keyboarding proficiency.

CTE 4980 (s) Internship (1-16 credits, max 99)
Credit arranged

CTE 4990 (s) Directed Study (1-16 credits, max 99)
Credit arranged

CTE 5000 Master's Research & Thesis (1-16 credits, max 99)
Credit arranged

CTE 5010 (s) Seminar (1-16 credits, max 99)
Credit arranged

CTE 5020 (s) Directed Study (1-16 credits, max 99)
Credit arranged

CTE 5030 (s) Workshop (1-16 credits, max 99)
Credit arranged

CTE 5040 (s) Special Topics (1-16 credits, max 99)
Credit arranged

CTE 5050 (s) Professional Development (1-16 credits, max 99)
Joint-listed with CTE 4050
Credit arranged. Credits earned in this course will not be accepted toward graduate degree programs. Professional development and enrichment. Additional projects/assignments required for graduate credit.

CTE 5190 Database Applications and Information Management (3 credits)
Joint-listed with CTE 4190
Teaching and training strategies for database applications. Includes database management principles and methods of information retrieval, processing, storage, and distribution. Additional work required for graduate credit.

CTE 5440 Idaho Leadership Institute (1-12 credits, max 12)
Institute for the preparation of the next generation of Idaho's leaders in professional-technical education.
Prereqs: Accepted into the Idaho Leadership Institute.

CTE 5510 Principles and Philosophy of Career and Technical Education (3 credits)
Joint-listed with CTE 3510
Overview and interpretation of history, aims, and purposes of public education and professional-technical education; issues and programs comprising professional-technical education in Idaho and in the nation. Additional projects/assignments required for graduate credit.

CTE 5970 (s) Practicum (1-16 credits, max 99)
Credit arranged. Application of theories and techniques; supervised field experiences in selected settings. Graded Pass/Fail.

CTE 5980 (s) Internship (1-16 credits, max 99)
Credit arranged. Supervised experience in teacher education, administration, supervision, or ancillary services in professional-technical education. Graded Pass/Fail.

CTE 5990 (s) Non-thesis Master's Research (1-16 credits, max 99)
Credit arranged. Research not directly related to a thesis or dissertation.
Prereqs: Permission

CTE 6000 Doctoral Research & Dissertation (1-45 credits, max 99)
Credit arranged