

DRFT-150 Computer-Aided Drafting (CAD) 4 cr.
A course designed to train students in the use of computer-aided drafting equipment to produce engineering drawings in two-dimensional format, using the basic draw and edit commands. Corequisite: DRFT 110. Semester offered: Fall and Spring.

DRFT-201 Investigation in Civil Drafting 1 cr.
This course involves an introduction to the various aspects of civil drafting and engineering technology. Students will have an opportunity to investigate working environments and look at actual drafting and design projects within the industry. An overview of various aspects of the design criteria and CAD drafting capabilities will be discussed and studied. Prerequisite: DRFT 115. Semester offered: Fall.

DRFT-210 Technical Drafting III 4 cr.
Design and working drawings detail, subassembly and assembly drawings, and bill of materials and revisions. Manufacturing methods and related drawing formats will be covered. Tolerance Studies, fits, allowances and functional geometric tolerance will be examined. Prerequisites: DRFT 115, DRFT 150, MATH 180, and MATH 185. Corequisite: MATH 188. Semester offered: Fall.

DRFT-225 Piping Design and Drafting 4 cr.
A course in the design and drafting of piping systems including pipe fittings, valves, pumps, and vessels and their symbols. Prerequisite: DRFT 150. Semester offered: On Demand.

DRFT-247 Const Practices and Estimating 4 cr.
This course involves quantity calculations including excavation, foundations, concrete and masonry structures, steel, framing, flooring, drywall and wetwall, roofing, insulation, and finish work. Corequisite: DRFT 248, MATH 180, and MATH 185. Semester offered: Spring.

DRFT-248 Civil Drafting I 4 cr.
This course comprises instruction in the symbols, terminology, standards and techniques of civil drafting, mapping and topographic drafting. Emphasis on the use of AutoCAD for drawing production. Prerequisites: DRFT 110, 150, and MATH 096 or MPE; Corequisites: MATH 180 and MATH 185. Semester offered: Fall.

DRFT-255 Statics and Strength of Material 4 cr.
Practical approach to applying concepts of statics and strength of materials to solution of force systems. Prerequisite: MATH 180 and MATH 185. Semester offered: Spring.

DRFT-260 Advanced AutoCAD 4 cr.
This course is a continuation of beginning Computer-Aided Drafting and is taught on PC computers using the latest release of AutoCAD by Autodesk, Inc. The more advanced commands are included in topics covered by this course, such as model space and paper space, digitizing and three-dimensional drawing. Prerequisite: DRFT 150 or equivalent. Semester offered: Fall and Spring.

DRFT-265 AutoCAD for Theatre 4 cr.
This course includes techniques for using AutoCAD drafting software in the areas of set and costume design on the personal computer. The courses technical content addresses the subject from an intermediate

perspective for graphic design in theatre. There will be two major projects required for course completion. This course requires extensive CAD lab hours to complete project assignments. Prerequisites: DRFT 110 and DRFT 150. Semester offered: Spring.

DRFT-280 Cooperative Education 1-12 cr.
This course provides an introduction to industry and the application of design and drafting technology principles. Students are supervised and rated by both the instructor and employer. Semester offered: On Demand.

EARLY CHILDHOOD EDUCATION

ECED-120 Guiding Young Children 3 cr.
Explores various theories of child guidance and the practical application of each. Provides developmentally appropriate methods for guiding children and effective strategies and suggestions for facilitating positive social interactions. Emphasis is placed on helping children become self-responsible, competent, independent, and cooperative learners. Prerequisites: APEN 070+ or ENGL 099; APRD 081+ or RDNG 113.

ECED-132 Infant-Toddler Development 3 cr.
Emphasizes the knowledge necessary to work with typically and atypically developing children ages birth-2 years of age. It lays a foundation for the promotion of the health, welfare and development of all infants and toddlers. Prerequisites: APEN 070+ or ENGL 095; APRD 058+ or RDNG 095.

ECED-142 Working with Infant's Family 3 cr.
Intended to assist students in gaining the ability to observe, discuss and implement basic elements of quality programming for infants and toddlers in home, small group or whole group care situations. Prerequisites: APEN 070+ or ENGL 095; APRD 058+ or RDNG 095.

ECED-145 Health, Safety and Nutrition 2 cr.
Provides information related to standards and practices that promote children's physical and mental well-being, sound nutritional practices, and maintenance of safe learning environments. Students gain knowledge necessary for creating safe learning environments for decreasing risk and preventing childhood injury. Prerequisites: APEN 070+ or ENGL 095; APRD 058+ or RDNG 095.

ECED-150 Professionalism 2 cr.
Provides a broad-based orientation to the field of early care and education. Early childhood history, philosophy, ethics and advocacy are introduced. Basic principles of early childhood systems are explored. Multiple perspectives on early care and education are introduced. Professional responsibilities such as cultural responsiveness and reflective practice are examined. Prerequisites: APEN 070+ or ENGL 095; APRD 058+ or RDNG 095.

ECED-152 Family-Centered Professionalism 3 cr.
Intended to provide hands on experiences with families, infants and toddlers. Student could be placed in the field as well as a college classroom to gain deeper understanding of their role as a professional that implements family-centered programming. Prerequisites: APEN 070+ or ENGL 095; APRD 058+ or RDNG 095.

ECED-175 Curriculum Development and Implementation I 5 cr.
 Focuses on developmentally appropriate content in early childhood programs. It addresses content that is relevant for children birth through age eight and developmentally appropriate ways of integrating content into teaching and learning experiences. Prerequisites: ECED 225, ECED 150, ECED 245, APEN 085+ or ENGL 099, APRD 081+ or RDNG 113.

ECED-222 Intro to Reading and Literacy 3 cr.
 Designed to prepare early childhood professionals for promoting children's emergent literacy and reading development. The course addresses ways in which early childhood professionals can foster young children's phonemic awareness, literacy problem solving skills, fluency, vocabulary, comprehension, and language development. Strategies support the emergent literacy and reading skills of native speakers and English language learners.

ECED-225 Child Growth and Development 3 cr.
 Provides students with the foundation for becoming a competent early childhood professional and a knowledge of how young children grow, develop and learn. Major theories of child development will be integrated with all aspects of development. The adult's role in supporting each child's growth, development and learning will be emphasized. Prerequisites: PSYC 120, APEN 085+ or ENGL 099, APRD 081+ or RDNG 113.

ECED-235 Family and Community Collaboration 3 cr.
 Examines the involvement of families from diverse cultural and linguistic backgrounds in early childhood programs. Establishing collaborative relationships with parents and others involved with children in early childhood settings are discussed. Prerequisites: APEN 070+ or ENGL 099; APRD 081+ or RDNG 113.

ECED-255 Assessment of Children 3 cr.
 Familiarizes students with a variety of culturally appropriate assessment methods and instruments, including systematic observation. Students will develop skills for evaluating the assessment process and involving other teachers, professionals and families in the process. Prerequisites: APEN 085+ or ENGL 099, APEN 851 or ENGL 099, APRD 081+ or RDNG 113.

ECED-270 Early Childhood Practicum 3 cr.
 This course provides supervised teaching experiences in the Child and Family Development Center or designated programs serving children from two to eight years of age. Weekly seminar meetings will address the New Mexico Competencies for Early Childhood Education, Portfolio and Career Development, and problem solving of practicum issues as they arise. Must be taken as an exit course for Early Childhood students in the last semester of their degree or certificate program. Prerequisites: ECED 175, ECED 255, ECED 235, APEN 085+ or ENGL 099, APEN 851 or ENGL 099, APRD 081+ or RDNG 113 or permission of instructor.

ECED-275 Curriculum Development and Implementation II 5 cr.
 Focuses on the learning environment and the implementation of curriculum in early childhood programs. Students will design and implement experiences and environments that promote optimal development and learning for children from birth through age 8, including children with special needs. Prerequisites: ECED 120, ECED 222, ECED 175,

ECED 245, ECED 255, ECED 235, APEN 085+ or ENGL 099, APRD 081+ or RDNG 113 or permission of instructor.

ECONOMICS

ECON-212 Economic Development of the US 3 cr.
 This course is a history of economic development in the United States from colonial days to the present. Such issues as the transformation of America from an agricultural economy to an industrial economy and finally to a post-industrial age are discussed. Semester offered: On Demand.

ECON-251 Macroeconomics 3 cr.
 Covers supply and demand, the danger of price controls, the role of government in free markets, international trade, and more. The application of economics to the financial markets is stressed along with economic indicators. Prerequisites: RDNG 095 or APRD 58+, ENGL 099 or APEN 85+, and MATH 096 or APAL 61+. Semesters Offered: Fall, Spring, Summer. [NM Common Course Number ECON 2113, Area IV; Behavioral/Social Science Core]

ECON-252 Microeconomics 3 cr.
 Covers the history of economic development, comparisons of the major economic systems, supply and demand, price controls, price elasticity of demand, and more. The application of economics to the financial markets is stressed. Prerequisites: RDNG 095 or APRD 58+, ENGL 099 or APEN 85+, and MATH 096 or APAL 61+. Semester offered: Fall, Spring and Summer. [NM Common Course Number ECON 2123, Area IV; Behavioral/Social Science Core]

EDUCATION

EDUC-101 Preparation for the NMTA 1 cr.
 Course covers overview of the NM Teacher Assessment, test taking strategies, and practice for essay writing. Specific course sections may focus on Basic Skills, or Teacher Competency, or Content Knowledge portions of the NM Teacher Assessment. Not available for transfer nor applicable as an elective.

EDUC-113 Substitute Teaching 1 cr.
 Introduction to substitute teaching which will include state laws and regulations, classroom management skills, instructional skills, school safety, special education and cultural issues. Three hours of classroom observation and class attendance is required to receive certificate. Semester offered: Fall, Spring, Summer

EDUC-115 Orientation to Teaching Career 1 cr.
 Overview of choices for teaching specializations and requirements to obtain a New Mexico Teacher License. Reflection on personal attributes in relation to becoming a teaching professional. Students will develop an academic plan to include transfer options for completing a bachelor's degree. Semester offered: Fall.

EDUC-120 Intro to Teaching 4 cr.
 Introduction to public education and teacher tasks and responsibilities. The course will provide a survey of public education in the United States; as well as important social, economic and political influences