

COURSE DESCRIPTIONS CENTRAL TEXAS COLLEGE

AUMT 2425-Automotive Transmissions

A study of the operation, hydraulic principles, and related circuits of modern automatic transmissions and automatic transaxles. Diagnosis, disassembly, and assembly procedures with emphasis on the use of special tools and proper repair techniques.

AUMT 2434-Engine Performance Analysis II

Diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems and proper use of advanced engine performance diagnostic equipment.

CDEC 1303-Family & Community

A study of the relationship between the child, the family, the community, and early childhood educator, including study of parent education and involvement, family and community lifestyles, child abuse, and current family life issues. The student will examine literature on parenting styles and effective parenting techniques; discuss issues relating to families and communities and literature relating to diverse cultures and lifestyles; summarize ways to communicate and interact with parents and families; recognize signs of abuse and neglect and describe ways to work effectively with abused and neglected children.

CDEC 1335-Early Childhood Development 3-5

This course centers on developmentally appropriate practice during the play years (ages 3-5). It includes developing and designing interest centers and environments for discovery learning; scheduling and planning age appropriate activities; and writing daily and weekly activities and objectives. Staff team building and ethical problem solving is embedded in course objectives. Thirty hours of field experience in child-related settings are required beyond the normal class hours. Laboratory experiences include opportunity to practice skills with preschool age children.

CETT 1449-Digital Systems

This course includes a detailed study of a judicious selection from hundreds of Integrated Devices currently on the market. It will include devices developed as general purpose as well as those designed for specified job-type applications. Theory of operation, general applications, and circuit design will be covered. SCAN competencies covered are listed at the end of each objective.

CJSA 1312-Crime in America

This course will introduce students to the study of crime and the administration of justice in America at time when fear about the former and skepticism concerning the latter may have reached an all-time peak. It will also provide the student with knowledge of the American crime problems in historical perspective; social and public policy factors

affecting crime; impact and crime trends; social characteristics of specific crimes; and prevention of crime.

CJSA 1317-Juvenile Justice System

This course is a study of the juvenile justice process. Topics include specialized juvenile law, role of the juvenile law, role of the juvenile courts, role of police agencies, role of correctional agencies, and theories concerning delinquency.

HRPO 1311-Human Relations

Practical application of the principles and concepts of the behavioral sciences to interpersonal relationships in the business and industrial environment.

WLDG 1428-Intro to Shielded Metal Arc Welding

An introduction to the shielded metal arc welding process. Emphasis placed on power sources, electrodes selection, oxy-fuel cutting and various joint designs. Instruction is provided in SMAW fillet welds in various positions.

WLDG 2439-Advanced Oxy-Fuel Welding & Cutting

A study of all position welding on ferrous and nonferrous metals using oxy-acetylene welding process including welding and cutting, brazing, and soldering operations.

ENGL 1301-Composition I

ENGL 1301 is the first semester of Freshman English and is designed to meet the first semester English requirement for students transferring to a senior college or for students desiring the general education of the first two years of college. The course aims primarily at helping the student develop skills and techniques necessary for writing effective expository prose. Emphasis is placed on sentence structure, word choice, paragraph development, and organization of the whole essay. Analysis of selected expository prose is used to guide the student in writing.

GOVT 2301-American Government I

This course is a survey of certain aspects of our state and national governments and of the political processes associated with them. It will provide students with a working knowledge of both governmental and non-governmental institutions, which combine to make up our political system. It will also demonstrate to students the role of politics in shaping public policy, as well as their individual and collective roles in this process.

ITSW 1407-Introduction to Database

This is an entry-level course designed to database theory and the practical applications of a database.

MATH 1314-College Algebra

College Algebra is a three-semester hour course, which covers such topics as logarithms, elementary theory of equations, sequences, series, mathematical induction, matrices, and determinants.

SPCH 1321-Business Communications

The purpose of this course is to practice effective oral communication skills that should be employed to give various types of public speeches, to participate in a job interview, and to solve problems in-group discussions. The course also requires practice in written communications skills to write a resume and cover letter, and to write structured speech outlines, which show what the speaker will say.