

obtaining a CDL learner's permit, the students spend four weeks practicing driving skills in preparation for the CDL driving test which is included as part of the class. Offered: All.

**CDLT-151 CDL Permit Class 6 cr.**

This course will provide students with specific information to assist in passing the NM MVD exams for general knowledge, air brakes and combination vehicles to obtain a Class "A" CDL (Commercial Vehicle) permit. Offered: On Demand.

**CDLT-153 CDL Class "A" Training 7 cr.**

This five week driving only course will prepare the student to take the CDL driving test in a Class A commercial vehicle. It includes instruction on pre-trip inspection, backing skills and highway driving in a combination vehicle with a gross weight rating over 26,000 lbs. The CDL driving exam is included. Offered: On Demand.

**CDLT-154 CDL Class "B" Training 2.5 cr.**

This two week driving only course will prepare the student to take the CDL driving test in a Class B commercial vehicle. It includes instruction on pre-trip inspection, backing skills and highway driving in a straight truck with a gross weight rating over 26,000 lbs. The CDL driving exam is included. Offered: On Demand.

**CDLT-155 CDL Class C Training 2.5 cr.**

This two week driving only course will prepare the student to take the CDL driving test in a Class C commercial vehicle. It includes instruction on pre-trip inspection, backing skills and highway driving in a commercial vehicle with a gross weight rating below 26,001 lbs. This applies to vehicles displaying hazmat placards or carrying 16 or more passengers. The CDL driving exam is included. Offered: On Demand.

**CDLT-156 CDL Upgrade Training 1.5 cr.**

This one week class will prepare an experienced Class B driver to upgrade to a Class A CDL. The CDL driving exam is included. Offered: On Demand.

**CDLT-157 CDL Refresher Training 2 cr.**

This one week class provides driving practice for a previous Class A CDL holder who needs to re-take the CDL exam to obtain the license again. The CDL exam is included. Offered: On Demand.

**CDLT-158 CDL Air Brake Training .5 cr.**

This is a one day driver training course which covers the operation of air brake systems including inspection and adjustment. A training card is provided. Offered: On Demand.

**CDLT-160 CDL Log-Book Training .5 cr.**

This one day driver training course covers the Hours of Service Regulations for commercial vehicle operators including the procedure for maintaining a log book and monthly summary sheet. Offered: On Demand.

**CDLT-161 Pro Truck Driver DDC .5 cr.**

This professional truck driver defensive driving course is presented using National Safety Council training materials. A certificate of completion and wallet card are provided. Offered: On Demand.

**CDLT-163 CDL Permit/Pro Driver 8 cr.**

This program includes classroom preparation for the CDL permit tests at the MVD office. Students will also study the doubles/triples, tanker and hazmat endorsements as well as regulations related to commercial vehicle operation. Offered: On Demand.

**CDLT-164 CDL Novice Driver 6 cr.**

This course focuses on industry specific classroom and driving skills for the novice CDL driver. Students must be sponsored by an employer. CDL exam is included. Offered: All.

**CDLT-165 CDL Driver Evaluation .5 cr.**

This is an evaluation of basic CDL driving skills for a CDL holder who is a new employee of a company that operates commercial vehicles. Offered: All.

**CDLT-166 CDL Brush Up Training 1 cr.**

This training class is for a current CDL holder who lacks recent driving experience. Its purpose is to prepare the driver to apply for a truck driving job. Offered: All.

**CDLT-167 CDL Preparation Class 4 cr.**

This is a specially scheduled knowledge review class to prepare students to operate an industry specific commercial vehicle. Offered: All.

**CDLT-169 CDL Hazmat Materials Test Prep .5 cr.**

This one day class covers the material necessary to pass the CDL Hazmat test at the MVD office. A background check at the MVD office is subsequently required to add the endorsement to a driver's CDL (not included in the class). Offered: All.

## CHEMISTRY

**CHEM-110 Introductory Chemistry 4 cr.**

An introductory survey of basic chemistry including scientific and dimensional analysis, states of matter, atomic and molecular structure, reaction dynamics, acid-base systems, and electrochemistry. Fulfills lab science requirement for non-science majors, and as an introductory course for students with no prior chemistry. Prerequisites: Completion of MATH-096 or appropriate Accuplacer Math Score. Offered: All.

**CHEM-111 General Chemistry I 4 cr.**

Part one of the general study of chemistry, including scientific and dimensional analysis, metathesis and redox reactions, thermochemistry, atomic structure, chemical bonding, molecular geometry, gases, liquids, and solids. For engineering and pre-professional majors. Prerequisites: Completion of MATH-115 or appropriate Accuplacer Math Score. Completion of CHEM 110 with a C or better or high school chemistry with a grade of B or better in the last 4 years. Offered: Fall & Spring.

**CHEM-112 General Chemistry II 4 cr.**

Part two of the general study of chemistry including kinetics, equilibrium, acid-base systems, thermodynamics, electrochemistry, nuclear chemistry, industrial processes, and coordination chemistry. For engineering and pre-professional majors. Prerequisites: MATH-185 and CHEM-111. Offered: Fall & Spring.

**CHEM-210 Organic Chemistry Survey 4 cr.**

A one semester survey for students requiring a brief coverage of important classes of organic compounds and their application to metabolism. Coverage includes nomenclature, preparation, chemical transformations of functional groups and reaction mechanisms. Prerequisites: CHEM-110 or CHEM-111. Offered: On Demand.

**CHEM-251 Organic Chemistry I 4 cr.**

Part one of the study of carbon compound chemistry covering: atomic and molecular orbitals; structure and reaction mechanisms of alkanes, alkenes, and alcohols; laboratory synthesis; gas chromatography; infrared, mass, and nuclear magnetic resonance spectroscopies. For pre-professional majors. Prerequisites: CHEM-112 or CHEM-111. CHEM-112 is recommended. Offered: Fall.

**CHEM-252 Organic Chemistry II 4 cr.**

Part two of the study of carbon compound chemistry covering: structure and reaction mechanisms of carboxyl, amine, conjugated, and polyfunctional systems; ultraviolet spectroscopy; bio-chemistry; and synthetic polymers. Prerequisites: CHEM-251. Offered: Spring.

**CHEM-281 Analytical Chemistry 5 cr.**

Fundamentals of instrumental chemical analysis. Topics include: statistical methods, digital control and data acquisition, gas/liquid chromatography, emission/absorption spectroscopy, capillary electrophoresis, volumetric, gravimetric, and electrochemical analysis. For chemistry and some pre-professional majors. Prerequisites: CHEM-112. Offered: On Demand.

**COMPUTER GRAPHICS****COGR-160 Computer Graphics I 4 cr.**

This introductory course includes concepts of computer graphics, modeling techniques, interfaces, terminology, and color theory; principles of two-dimensional computer animation, image processing, and presentation media; and computer design theory. Primary emphasis upon PC computer software to produce animations of logos, titles and text, graphs, cartoon characters, cycling colors and special effects; presentation software; desktop publishing; and still image processing. Theory will include design criteria, storyboard preparation, image manipulation, and hands-on computer use for instructional, marketing, graphic design, and artistic purposes. Offered: Fall.

**COGR-165 Computer Graphics II 4 cr.**

An introductory, hand-on study of the concepts and techniques required to create 3D graphics and animations including modeling and navigating in a computer 3D workspace, image mapping and lighting, and keyframe and kinematic animation. Offered: Spring.

**COMMUNICATIONS AND MEDIA****COME-120 Survey of Mass Media 3 cr.**

A study of contemporary communication systems including radio, TV, newspaper, magazines and the Internet for use in public relations, advertising, and propaganda. Offered: Spring.

**COME-127 Communication Practicum 3 cr.**

Students will work in supervised job training opportunities. They will be trained for the transition from school to the world of work.

Theory and skills in both video and radio are integrated for maximum student job success. Job sites include the college radio and video departments and commercial broadcast facilities in the region. Prerequisites: COME-130. Offered: On Demand.

**COME-130 Broadcast Systems 3 cr.**

A basic course introducing operational procedures and practices in radio and television broadcast studios; procedures in the broadcast field which affect studio operations, including control room safety procedures, continuity and traffic, station operations, cameras and microphones, remote equipment, FCC operating requirements, and production. Offered: On Demand.

**COME-132 Recording & Sound Tech I 3 cr.**

Introduction to the roles and duties of the audio producer. This course will provide familiarity with recording and sound reinforcement techniques. Includes hands-on experience with sound systems in various music recording and performance situations. Also offered as MUSI 175. Offered: On Demand.

**COME-134 Video Production I 3 cr.**

Introduction to the roles and duties of the video producer and director in field and studio environments. Students will be studying composition, lighting techniques, and various script styles. Students will work in production teams in the field and studio to produce a video project in consultation with the instructor. Offered: On Demand.

**COME-232 Recording & Sound Tech II 3 cr.**

A continuation of COME 132 with emphasis on advanced recording techniques. Prerequisites: COME-132. Offered: On Demand.

**COME-234 Video Production II 3 cr.**

A continuation of COME 134 with emphasis on advanced video production techniques. Prerequisites: COME-134. Offered: On Demand.

**COME-281 Cooperative Education 1 cr. TO 3 cr.**

Cooperative Education is a planned instructional program designed to enhance the students learning experience by coordinating actual on-the-job training related to his/her curriculum with classroom work. Individual learning objectives will be developed that are measurable and observable. The student will be evaluated jointly by college personnel and the employer. Offered: On Demand.

**COMMUNICATION STUDIES****COMM-110 Public Speaking 3 cr.**

The purpose of this class is to develop students' public speaking skills so that they can become more confident and effective speakers. Students will write and present both persuasive and informative speeches. [NM Common Course Number COMM 1113, Area I; Communications]. Prerequisites: Placement into RDNG-095 and ENGL-095 or appropriate Reading and English Accuplacer scores. Offered: All.

**COMM-111 Interpersonal Communication 3 cr.**

This course is designed to increase student's awareness of the role that interpersonal communication plays in creating and maintaining personal and professional relationships. Emphasis of instruction is on improving one-to-one communication skills.