

Topics covered include self-concept, perception, non-verbal communication, listening, feedback, and effective use of language. [NM Common Course Number COMM 1213, Area I; Communications]. Prerequisites: Placement into RDNG-095 and ENGL-095 or appropriate Reading and English Accuplacer scores. Offered: All.

COMM-120 Bus & Prof Communication 3 cr.
This course develops the interpersonal, small group, and public communication skills most useful in business and professional organizations. Prerequisites: Placement into RDNG-095 and ENGL-095 or appropriate Reading and English Accuplacer scores. Offered: Spring.

COMM-225 Small Group Communication 3 cr.
Teamwork is an increasingly important concept in today's work place. Students in this course will learn to effectively interact in teams by studying the following small group communication phenomena: group roles; group norms; leadership; group decision-making; and problem-solving. Students will be expected to apply textbook and lecture material to an extensive group project. Prerequisites: Completion of RDNG-113 or appropriate Reading Accuplacer score. Offered: On Demand.

NATURAL GAS COMPRESSION

COMP-112 Natural Gas Engine Repair/Overhaul 5 cr.
To provide students with techniques and procedures to overhaul and repair natural gas engines to OEM specifications. The course includes a complete disassembly and reassembly of a variety of most commonly used natural gas engines. Pre-requisites: Student must understand the basics of engine theory in order to disassemble and reassemble the natural gas engine/or equivalent work experience. Offered: Fall. Faculty Permission Required.

COMP-113 Natural Gas Engine Theory 3 cr.
This course will assist students in developing knowledge of the natural gas fueled internal combustion engine and its subsystem. It includes: air intake systems, exhaust systems, lubrication and cooling systems, basic ignition functions, fuel gas analysis and basic fuel systems. Students must have CPT or equivalent, DOT Medical Exam, and Drug Test. Offered: All. Faculty Permission Required.

COMP-116 Introduction to Compression .5 cr.
This course will assist students in developing basic knowledge of natural gas compression basics and associated equipment. Offered: On Demand. Faculty Permission Required.

COMP-118 Gas Engine Technology 2 cr.
This course will assist students in developing basic knowledge of the natural gas fueled internal combustion engine. Offered: Summer.

COMP-121 Natural Gas Preventative Maintenance 2 cr.
Students will become familiar with a variety of OEM procedures for performing natural gas engine preventative maintenance on various natural gas engines. Pre-requisites: Students must have a working knowledge of natural gas engine theory and overhaul/ or have equivalent work experience. Offered: Fall. Faculty Permission Required.

COMP-122 Natural Gas Engine Auxiliary Equipment 2 cr.
This course examines auxiliary equipment as associated with various types of natural gas compression units. Students will become skilled in correct procedures for preventative maintenance on auxiliary equipment. Pre-requisites: Students must recognize the natural gas engine and understand overhaul procedures/ or have equivalent work experience. Prerequisites: COMP-111, COMP-112, and COMP-121. Minimum grade required: C. Offered: Fall. Faculty Permission Required.

COMP-124 Natural Gas Engine Troubleshooting 2 cr.
Develop knowledge and skills to effectively troubleshoot common problems associated with natural gas engines. Students will gain the knowledge needed to diagnose and repair problems associated with natural gas engines. Pre-requisites: Must have a working knowledge of natural gas engine theory and overhaul. Knowledge and skills in basic electrical diagnostics is essential to develop troubleshooting/or have equivalent work experience. Prerequisites: COMP-111, COMP-112, COMP-121, COMP-122, and COMP-123. Minimum grade required: C. Offered: Fall. Faculty Permission Required.

COMP-126 Natural Gas Electrical Diagnostics 2 cr.
Study of techniques and procedures to correctly troubleshoot and diagnose electrical problems associated with natural gas compression. Safety will be strictly enforced. Prerequisites: COMP-113, COMP-112, COMP-121, and COMP-122. Offered: All.

COMP-147 Intro to Nat. Gas Engine & Com 2 cr.
Class will introduce students to internal combustion engines (natural gas), reciprocating and screw type compressors and formulas for calculating horsepower and cylinder gas volumes. Students will participate in a class project for teamwork, to assemble an economic outlook and PowerPoint presentation for a hypothetical field operation. Safety will be strictly enforced. Offered: All. Faculty Permission Required.

COMP-190 Natural Gas Compression Coop Work Exp. 6 cr.
This course studies natural gas compressor engine preventative maintenance and provides students with the techniques, skills and procedures to adequately perform routine maintenance. Minimum grade required: C. Prerequisites: COMP-111, COMP-112, COMP-121, COMP-122, COMP-123, COMP-124. Offered: Spring. Faculty Permission Required.

COMP-218 VGF Technology 2 cr.
This course will assist students in developing knowledge of the VGF Waukesha and large horsepower natural gas fueled internal combustion engine. Prerequisites: COMP-118. Offered: Summer. Faculty Permission Required.

COMP-233 Natural Gas Compression Theory 2 cr.
The study of Basic Compressor Theory. Students will gain techniques, skills and procedures to appropriately recognize the principles of compression. Safety will be strictly enforced. Offered: All.

COMP-234 Natural Gas Compressor Repair/Overhaul 2 cr.
Study of natural gas compressor repair and overhaul. Students will develop skills and techniques for overhaul and repair of natural gas compressors as required by OEM. Offered: All.

COMP-235 Natural Gas Compression Preventative Maintenance 4 cr.

This course studies compressor preventative maintenance and provides students with the techniques, skills and procedures to adequately perform routine preventative maintenance on natural gas compressors. Prerequisites: to successfully complete the course students must have a working knowledge of natural gas engine theory and overhaul/or have equivalent work experience. Offered: Spring. Faculty Permission Required.

COMP-236 Natural Gas Compressor Troubleshooting 2 cr.

Students will gain techniques, skills and procedures to troubleshoot and diagnose common problems with natural gas compressors. Safety will be strictly enforced. Prerequisites: to successfully complete the course students must have a working knowledge of natural gas engine theory and overhaul/or have equivalent work experience. Prerequisites: COMP-230, COMP-231, and COMP-235. Minimum grade required: C. Offered: Spring. Faculty Permission Required.

COMP-256 Natural Gas Comp Instrumentation & Control 2 cr.

Provide students with an introduction to basic uses of instrumentation and controls associated with natural gas compression. Offered: All.

COMP-280 Natural Gas Compression Coop Work Experience 6 cr.

This course studies compressor maintenance and provides students with the techniques, skills and procedures to adequately perform routine maintenance on natural gas compressors. Prerequisites: students must have completed all other program requirements before entering OJT or obtain equivalent work experience. Offered: All. Faculty Permission Required.

COMP-281 Nat Gas Comp Cooperative Work Exp II 9 cr.

The students will be employed by a company in the lease operator field which will provide relevant learning experiences that are directly related to the student's most recent classroom/laboratory experiences. The student will be supervised jointly by his/her employer and San Juan College personnel. Requires completion of all COMP courses. Offered: All. Faculty Permission Required.

COMPUTER SCIENCE**COSC-095 Basic Computer Skills 1 cr.**

Learn your way around the computer and its related components. Covers keyboard and mouse operations. Become familiar with the operating system's desktop, icons, and menus. Prerequisites: Completion of RDNG-050 or appropriate Accuplacer Reading score. Offered: On Demand.

COSC-096 Working With Windows 1 cr.

Managing and organizing files and folders. Copying and moving files to a different folder or disk. Sort and find files. Prerequisites: Completion of RDNG-050 or appropriate Accuplacer Reading score. Offered: On Demand.

COSC-097 Basic Computer/Internet Skills 3 cr.

Learn your way around the computer and the Internet. Covers keyboard and mouse operations; operating systems' desktop, icons, and menu system; and searching the internet and use of e-mail. This course combines COSC 095, COSC 096, and COSC 099. Offered: All.

COSC-099 Basic Internet Skills 1 cr.

Practical search techniques and common vocabulary to make your searches more effective. Learn to use e-mail. Prerequisites: Completion of RDNG-050 or appropriate Accuplacer Reading score. Offered: On Demand.

COSC-111 Computer Literacy 3 cr.

The evolution of computers, their application and their economic and social implications including a brief introduction to programming and computer literacy with a non-technical emphasis. For non-computing majors. Prerequisites: Completion of MATH-050, ENGL-095, and RDNG-050 or appropriate Accuplacer scores in Math, English, and Reading. Offered: All.

COSC-115 Intro to Information Tech 3 cr.

A technical examination of computing system functions, design, and operations. Topics will include hardware, software, and networking technologies, systems integration, and IT operations as they apply to the enterprise. This course is designed for students with a background in computing which should include extensive use of personal computers and experience doing computer troubleshooting or support if possible; it is not an introductory course in computing. Prerequisites: MATH 096 or APAL 061, ENGL 099 or APEN 085, and RDNG 113 or APRD 081. Corequisite: ITCT 111 or prior A+ certification. Semesters Offered: On demand. Prerequisites: Completion of MATH-096, ENGL-099, and RDNG-113 or appropriate Accuplacer scores in Math, English, and Reading. Offered: Fall & Spring.

COSC-116 Spreadsheets 3 cr.

Comprehensive coverage of current spreadsheeting software - from basic data entry and formatting to complex functions, data importation, and Macro creation. Students will be taught most of the features available in the software, and will be required to apply those skills throughout the course. Special emphasis is placed on spreadsheet development for mathematical and financial/accounting applications. This course can be used to prepare for the corresponding Microsoft Certified Application Specialist exam. Prerequisites: Completion of MATH-096, ENGL-095, and RDNG-113 or appropriate Accuplacer scores in Math, English, and Reading. Offered: All.

COSC-118 Comp Programming Fund I w/C++ 3 cr.

An introduction to programming and computing integrating problem solving and algorithmic design using the object-oriented programming language C++. Prerequisites: Completion of MATH-096, ENGL-095, and RDNG-095 or appropriate Accuplacer scores in Math, English, and Reading. Offered: Fall & Spring.

COSC-122 Game Programming I 3 cr.

This course is an introduction to game programming as well as an introduction to the C++ computer programming language. A variety of game programs are presented in the textbook and most assignments involve making changes and/or improvements to the existing game programs. Games include Lost Fortune, Guess My Number, Word Jumble, Hangman, Tic-Tac-Toe, and Blackjack. Offered: On Demand.