

**ENGL-250 Teaching Writing 3 cr.**

Introduces methods of teaching the writing workshop and the principles of writing to learn. Includes practical as well as theoretical material applicable for teachers at any level. Students develop their own practices and philosophies of teaching writing. Prerequisites: ENGL-111 or obtain permission of instructor. Offered: Spring.

**ENGL-251 American Literature to 1865 3 cr.**

Surveys major literary works from pre-colonial times to 1865. [NM Common Course Number 2513, Area V; Humanities]. Prerequisites: ENGL-111 or obtain permission of instructor. Offered: Fall.

**ENGL-252 American Literature From 1865 to Present 3 cr.**

Surveys major literary works from 1865 to the present. [NM Common Course Number 2523, Area V; Humanities]. Prerequisites: ENGL-111 or obtain permission of instructor. Offered: Spring.

**ENGL-261 Survey of World Literature I 3 cr.**

Surveys world literature from antiquity through the Renaissance. [NM Common Course Number 2613, Area V; Humanities]. Prerequisites: ENGL-111 or obtain permission of instructor. Offered: Fall.

**ENGL-262 Survey of World Literature II 3 cr.**

Examines world literature from the Renaissance to the modern world. [NM Common Course Number 2623, Area V; Humanities]. Prerequisites: ENGL-111 or obtain permission of instructor. Offered: Spring.

**ENGL-271 Introduction to the Study of Language 3 cr.**

Introduces the study of linguistics including the basic structure of language, first and second language acquisition, bilingualism, and social and regional variation. Explores linguistics issues with emphasis on their educational implications. Prerequisites: ENGL-111 or obtain permission of instructor. Offered: Fall & Spring.

**ENGL-272 Traditional English Grammar 3 cr.**

Examines the form and function of words and the structure of sentences in the English language, through analysis and diagramming, with applications for teachers and writers. Prerequisites: ENGL-111 or obtain permission of instructor. Offered: Fall.

**ENGL-280 Advanced Creative Writing by Genre 3 cr.**

Provides continued exploration and development for writers with experiences in a given genre and emphasizes the practice and techniques of published writers. Prerequisites: ENGL-221 or ENGL-222, depending on the genre. Minimum grade required: C. ENGL-125 is strongly recommended. Offered: On Demand.

**ENGINEERING****ENGR-112 Introduction to Engineering 3 cr.**

An introduction to engineering as a career. Issues important to engineers, as students and professionals, are discussed along with answers to the question, "What can I expect to do as an engineer?" In addition, basic computer skills and electronic data acquisition are introduced in a laboratory setting, emphasizing

a hands-on approach to experimentation and team design. Prerequisites: TAKE MATH-115. Corequisites: ENGL-111. Offered: Fall & Spring.

**ENGR-230 Engineering Circuit Analysis 3 cr.**

Introductory engineering analysis of analog circuits. Topics include electrical component descriptions and equations (resistors, inductors, and capacitors), Kirchhoff's voltage and current laws, and calculus based formulation of network equations using time and frequency domain concepts. Prerequisites: MATH-189. Offered: Fall.

**ENGR-233 Mechanics-Statics 3 cr.**

An introduction to basic engineering structural analysis of static (stationary) objects. Methods to examine external and internal forces on structural components are developed using vector methods. Prerequisites: MATH-189 and PHYS-215. Offered: Fall.

**ENGR-234 Mechanics-Dynamics 3 cr.**

Expand your knowledge of statics to the study of systems in motion. Dynamics is divided into two parts: "kinematics" examines the geometric aspect of motion (where does it go?), and "kinetics" covers forces involved in motion (how should I design it?). Vector analysis methods are used throughout. Prerequisites: MATH-189 and ENGR-233. Offered: Spring.

**ENGR-236 Thermodynamics 3 cr.**

This first course in thermodynamics is applicable to all engineering disciplines (and modern society in general) as it deals with energy, and an "energy-balance" approach to problem solving. The first portion is devoted to energy, energy transfer, and physical properties. The first law of thermodynamics (which relates energy to heat and work) and the second law (specifies the direction of certain processes) are then covered in detail. Minimum grade required: C. Prerequisites: PHYS-215. Offered: Spring.

**ENTREPRENEURSHIP AND SMALL BUSINESS****ENSB-150 Understanding Financial Statements 1 cr.**

This course provides a practical understanding of business financial statements and statement analysis for the small business owner. Concepts related to the understanding of the information presented in financial statements, the balance sheet, the income statement, and the cash flow statement will be the major emphasis in this course. Prerequisites: Completion of RDNG-095 and ENGL-099 or appropriate Reading and English Accuplacer Scores. Offered: Fall & Spring.

**ENSB-265 Small Business Operations 3 cr.**

This course offers a hands-on approach to managing a small business on an ongoing basis. Course topics include the business mission, marketing, financial planning, problem areas, decision making and management fundamentals for small business; planning, controlling, organizing and directing of Human, financial and material resources for small businesses. Defines the problem solving and decision making processes. Those processes include identifying decision elements and recognizing characteristics. Prerequisites: Completion of RDNG-113 and ENGL-099 or appropriate Reading and English Accuplacer scores. Take ACCT-201. Corequisites: ENSB-150. Offered: Spring.

**ENSB-285 Entrepreneurship 3 cr.**  
This course teaches entrepreneurs planning skills from business concept development to the actual development of a comprehensive business plan. A hands-on approach to starting and managing a business from product concept to dissolution. Incorporating the components of the business plan, course topics include marketing strategies and tactics, profitability, human resource management, financial management and projections and loan negotiations. Prerequisites: Completion of RDNG-113 and ENGL-099 or appropriate Reading and English Accuplacer scores. Take ACCT-201. Corequisites: ENSB-150. Offered: Fall.

## FINANCE

**FINA-132 Personal Financial Planning 3 cr.**  
Students will become familiar with all aspects of the personal financial planning process. Included topics are financial goal setting, budgeting, time value of money, managing credit, principles of insurance, and the basics of investing. Prerequisites: Completion of ENGL-095 and RDNG-095 or appropriate English and Reading Accuplacer scores. Offered: Spring.

**FINA-251 Financial Management 3 cr.**  
Students will gain a solid foundation in the concepts, theories and techniques applicable to the financial administration of the firm including time value of money, basic instruments of financing, capitalization, cost of capital, marketing of securities, capital budgeting, and the role of risk in decision making. [NM Common Course Number: BFIN 2113, Business Transfer Module]. Prerequisites: ACCT-201 and ACCT 202 or take COSC-125 and COSC-116. Offered: Spring.

**FINA-265 Personal Investing 3 cr.**  
Provides a practical education in the research and analysis of common investments such as stocks, bonds, mutual funds, and some derivatives including put and call options on equities. The course will also cover risk and reward, proper portfolio management and diversification, time value of money, operation of the investment markets, and the economics surrounding various investment options. Students will be involved with simulated stock, mutual fund, and option competitions. Offered: Fall & Spring.

## FIRE SCIENCE

**FIRE-111 Firefighter I 4 cr.**  
Students will obtain basic principles and skills of fire fighting to develop a student with little or no knowledge of fire fighting. This course covers the science of fire and its behavior, exposes the student to the basic principles and skills of fire fighting as well as basic strategies and tactics employed to extinguish fire and rescue trapped people. This course is taught according to NFPA standard 1001 and is for the entry-level firefighter. Offered: Fall & Spring. Faculty Permission Required.

**FIRE-113 EMS for the Firefighter 1 cr.**  
Students will obtain basic understanding of the Emergency Medical Service and learn ways to assist as a firefighter on an EMS incident. The student will learn basic first-aid, CPR and techniques used to extricate and stabilize patients. This course is designed for the entry-level firefighter. Offered: Fall & Spring.

**FIRE-114 Physical Fitness for Firefighters 3 cr.**  
This course teaches all aspects of fitness for the firefighter. Students will learn how to develop strength, cardiovascular endurance, and flexibility in a participatory learning environment. Students are coached through workouts designed to improve strength in target muscle groups and develop the students' cardiovascular ability and fitness. Priority will be given to Fire Science degree/certificate seeking students. A doctor release and fire science advisor signature is required. Offered: Fall & Spring. Faculty Permission Required.

**FIRE-115 Emergency Vehicle Operation 1 cr.**  
This course shows fire and emergency medical apparatus operators how to use defensive driving techniques to maneuver safely through traffic under severe time constraints and stress. This includes hands on training with a state of the art driving simulator and fire apparatus. This course meets the National Safety Council requirements for driving emergency apparatus. This course meets CEVO and EVOC requirements. Offered: Fall & Spring. Faculty Permission Required.

**FIRE-121 Firefighter II 5 cr.**  
Building on the principals and techniques covered in Fire Fighter I. More advanced fire and rescue techniques, and principals are explored. Basic concepts in fire fighting are expanded upon and more advanced concepts are introduced. This course rounds out the entry-level fire fighter, and discusses the advanced concepts that a competent fire fighter needs to know. This course will be taught according to N.F.P.A. standard 1001. Instructor signature required. Prerequisites: FIRE-111. Offered: Fall & Spring. Faculty Permission Required.

**FIRE-130 Technical Rescue for the Firefighter 1 cr.**  
Teaching the concepts, techniques, and safety for the standard disciplines of technical rescue in the fire service. The student is taught to the awareness level of high angle rescue, confined space rescue, trench rescue, and swift water rescue according to NFPA 1670. Basic techniques, equipment, strategies and safety are covered. Offered: Fall & Spring. Faculty Permission Required.

**FIRE-131 Rope Rescue Technician 2 cr.**  
Teaching the concepts, techniques, and safety for the standard disciplines of rope rescue in the fire service. The student is taught to the technician level of high angle rescue according to the NFPA 1670 standard. Techniques, equipment, strategies and safety are covered. Students are given the opportunity to complete extensive hands-on practice. Offered: Fall & Spring. Faculty Permission Required.

**FIRE-133 Basic Vehicle Extrication 2 cr.**  
The student will obtain the basic concepts and skills of vehicle extrication in this course. This course covers incident evaluation and stabilization, use of extrication tools, and victim disentanglement from small passenger type vehicles through lecture and hands-on training. Prerequisites: FIRE-111. Offered: Fall & Spring.

**FIRE-141 Hazardous Materials Awareness/Operations 2 cr.**  
Designed to give the entry level firefighter the knowledge and competence to operate on a hazardous materials incident. Covers the identification and recognition of hazardous materials,