

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,

techniques, for isolating the scene and denying entry into the area, and basic support techniques utilized by firefighters to assist a technical hazardous material entry team. The 40 hour course covers the organizational structure and necessary elements of incident command of a hazardous materials incident. Offered: Fall & Spring. Faculty Permission Required.

FIRE-145 Firefighter Safety and Survival 2 cr.

Students will obtain principles and skills to save themselves and other firefighters at structure fires and other emergency incidents. This course teaches procedures for escape and MAYDAY, basic carries and drags, use of ropes for quick extrication, emergency ladder bail out, breaches, disentanglement and many other tricks of the trade to improve the firefighter's chance of survival on the fire ground through hands on reality based training. Prerequisites: FIRE-111. Offered: Fall & Spring.

FIRE-151 Intermediate Fire Lab 2 cr.

This course encompasses the principals and the skills from Fire Fighter I in a practical setting and gives the student practical experience with fire attack, rescue, and all of the support functions associated with fire incidents and fire department response. Students participate in practical evolutions of fire behavior, interior fire attack, car fires, and liquid petroleum fires. Students will be required to provide certified firefighting protective gear. Prerequisites: FIRE-111. Offered: Fall & Spring. Faculty Permission Required.

FIRE-152 Advanced Fire Lab 5 cr.

This course encompasses the principals and skills from Fire Fighter I and Fire Fighter II in a practical setting and gives the student practical experience with fire attack, rescue, and all of the support functions associated with fire incidents and fire department response. Students are exposed to practical evolutions starting with singular function assignments, and building to multi-company, multi-functional operations on the fire ground. Students will be required to provide certified firefighting protective gear. Prerequisites: FIRE-111, FIRE-121, and FIRE-151. Offered: Fall & Spring. Faculty Permission Required.

FIRE-161 Basic Wildland Firefighting 2 cr.

This training consists of 4 basic Firefighter courses required by the National Wildfire Coordinating Group (NWCG) and provides the training and information required by NWCG. Students who successfully complete the coursework and pass the physical fitness test earn "red card" certification required to work on forest fires or to participate in prescribed fires. This course is a prerequisite for all other wildland fire-related training and employment. Offered: Fall & Spring. Faculty Permission Required.

FIRE-162 Firefighter Type 1 Training -S131/S135 2 cr.

Firefighter Type 1, S131/S135, is designed to meet the training needs of the Wildland Firefighter Type 1 (FFT1). This course is designed to be interactive in nature. It contains several tactical decision games designed to facilitate learning the objectives and class discussion. Topics include: fire line reference materials, communications, and tactical decisions. Prerequisites: FIRE-161. Offered: On Demand.

FIRE-215 Fire Instructor I 3 cr.

This is an upper level course designed for individuals in the fire service who face the unique challenges of instructing and implementing both classroom and practical classes. The course deals with safety, legal, psychology, planning, methodology and lesson plans, practical training and NFPA standards, media and technology. Offered: On Demand.

FIRE-216 Fire Instructor II 3 cr.

This course addresses NFPA 1041 competencies at the Fire Service Instructor II level. At the conclusion of this course, students will be able to develop individual lesson plans for a specific topic, including identifying learning objectives, instructional aids, and evaluation instruments; to schedule training sessions based on an overall training plan for their organization; and to supervise and coordinate the activities of other instructors. Prerequisites: FIRE-215. Offered: On Demand.

FIRE-222 Industrial Firefighting 2 cr.

Students will obtain basic knowledge and skills required to fight fires in an industrial setting. Students will be trained in accordance to NFPA standards 600 and 1001. Students will be required to provide certified firefighting protective gear. Offered: On Demand.

FIRE-232 Basic Pumping Apparatus Driver/Operator 2 cr.

Students will obtain basic principles and skills of driving and operating fire department pumper apparatus. This course is taught according to NFPA standard 1002. This course is for entry-level apparatus operators. Prerequisites: FIRE-111. Offered: On Demand.

FIRE-234 Adv Pumping Apparatus Driver/Operator 2 cr.

Students will continue where FIRE 232 left off learning advanced principles and skills of driving and operating fire department pumper apparatus. Students will learn pump and friction calculations and be able to put them into practical use. This course is taught according to NFPA standard 1002. Prerequisites: FIRE-232. Offered: On Demand.

FIRE-240 Firefighter I Skills Lab 4 cr.

In this course the student will demonstrate proficiency in the skills required for the National Fire Protection Association (NFPA) standard 1001-Professional Competencies for Firefighters-Firefighter I. Students will build confidence by having the opportunity to actually perform those competencies and skills taught in previous classes under simulated or actual emergencies. Prerequisites: FIRE-111. Offered: Fall & Spring.

FIRE-242 Firefighter II Skills Lab 4 cr.

In this course the student will demonstrate proficiency in the skills required for the National Fire Protection Association (NFPA) standard 1001-Professional Competencies for Firefighters-Firefighter II. Students will build confidence by having the opportunity to actually perform those competencies and skills taught in previous classes under simulated or actual emergencies. Prerequisites: FIRE-121. Offered: Fall & Spring.

FIRE-246 Fire Fighting Equipment & Apparatus Lab 4 cr.

Provides student with a level of proficiency and knowledge about the tools and equipment used in firefighting. Teaches the specifications, capabilities and correct operation of firefighting

apparatus. Completion will give the student a knowledge and proficiency in operation and maintenance of all firefighting equipment on apparatus, as well as the apparatus itself. Prerequisites: FIRE-121. Offered: Fall & Spring.

FIRE-248 Basic Fire Lab 1 cr.

This course encompasses knowledge and skills that have been taught in previous classes. This class will allow the students extensive hands on practice operating in various fire fighting scenarios. Students will be required to provide certified firefighting protective gear. Prerequisites: FIRE-111. Offered: On Demand.

FIRE-252 Incident Safety Officer 1 cr.

This course will examine safety officer's role during emergency response situations, with a focus on operations within an Incident Command System (ICS). Participants should have a working knowledge of ICS, building construction principles, hazardous materials management, applicable NFPA guidelines, and federal regulations. Prerequisites: FIRE-121. Offered: On Demand.

FIRE-255 Fire Safety-Save Your Own 2 cr.

Instructs firefighters with the information and skills needed to recognize conditions that contribute to firefighter injury and fatalities. This includes 16 hours of lecture, and 25 hours of lab time. Topics covered in the lecture/classroom portion include fatality rates, federal mandates, fire ground communication, fire fighter entanglement and the formation of RIT teams. Prerequisites: FIRE-111. Offered: On Demand.

FIRE-261 Fire Service Strategy and Tactics 1 cr.

This course explores firefighting strategy and tactics, methods of fire attack, and pre-fire planning. Students will gain in-depth knowledge of fire control principles as well as how to utilize personnel, equipment, and extinguishing agents on the fire ground. This course also discusses special situations such as transportation emergencies and fires, high-rise fires, below-ground incidents, and confined space incidents. Prerequisites: FIRE-121. Offered: On Demand.

FIRE-262 Fire Officer I 3 cr.

Covers such topics as the role of fire officers, safety and wellness of fire personnel. This includes recognizing and managing cultural diversity, problem solving, community awareness, public relations, fire cause determination, and effective communication. Methods of instruction include lecture, case studies, quizzes and a final exam. Prerequisites: FIRE-121. Offered: On Demand.

FIRE-265 Fire Officer II 3 cr.

This course covers human resources management, managing affirmative action, government agencies, budgetary process and information management systems, health and safety, public fire education, specialized fire protection equipment, strategic planning, and tactics. Prerequisites: FIRE-260. Offered: On Demand.

FIRE-268 Initial Attack Incident Commander - S200 1 cr.

This course is designed to meet the training needs of the ICT4. It is presented in a discussion/exercise format. The six instructional units cover: Foundation Skills, Intelligence Gathering and Documentation, Size Up the Incident, Develop a Plan of Action, Post-fire Activities, Evaluating Incident Objectives, and

Manage the Incident. Evaluation of the student is by unit tests and performance based evaluations. Prerequisites: FIRE-161. Offered: On Demand.

FIRE-272 Swiftwater Rescue Technician 2 cr.

This course will prepare emergency response personnel to perform rescue operations in moving water emergencies. Topics will include planning, personal protective equipment, search parameters, incident action plans, surface rescue techniques, advanced rope systems, and use of watercraft and helicopters in water rescue operations. Students will participate in moving water exercises to demonstrate proficiency in appropriate skills. Offered: On Demand.

FIRE-273 Advanced Swiftwater Rescue Technician 2 cr.

This course builds on techniques learned in FIRE 272 Swiftwater Rescue Technician. Students are exposed to more complex water rescue situations including a mock night river rescue scenario. This course involves classroom and extensive hands-on activities. Prerequisites: FIRE-131 and FIRE-272. Offered: On Demand.

FIRE-274 Confined Space Technician 2 cr.

This course will give participants a working knowledge of the OSHA standard regarding confined-space rescues in order to help them facilitate operations with industry and other agencies involved with such rescues. Participants can expect to learn concepts and practical applications that will affect safe rescues in this unique and potentially hazardous situation. This course meets 29 CFR 1910.146 requirements, as well as NFPA 1006. Offered: On Demand.

FIRE-275 Confined Space for the Rescue Technician 1 cr.

This course will give participants a working knowledge of the OSHA standard regarding confined-space rescues in order to help them facilitate operations with industry and other agencies involved with such rescues. This course meets 29 CFR 1910.146 requirements, as well as NFPA 1006. Prerequisites: FIRE-131. Offered: On Demand.

FIRE-276 Advanced Vehicle Extrication 1 cr.

This course builds off of FIRE 133 Basic Vehicle Extrication into the advanced skills for vehicle extrication. The students will be exposed to practical evolutions and learn principles and skills needed for heavy truck and bus extrication. Prerequisites: FIRE-121. Offered: On Demand.

FIRE-278 Trench Rescue 1 cr.

This program teaches rescuers trench rescue operations, trench collapse, soil types, federal regulations, ICS, preplanning, hazard recognition and control, patient assessment and treatment consideration, stabilization, and rescue and recovery, proper shoring techniques utilizing timber and specialized equipment. Both classroom lesson plans and hands-on practices will give the student a well-rounded understanding of the typical trench collapse. Offered: On Demand.

FIRE-280 Firefighter Career Internship 4 cr.

The instructor will guide the student through a project to accomplish functions required in the firefighting career. This educationally based experience will help the student make

the transition from training environment to operating as a fully functioning firefighter. Offered: On Demand.

FIRE-281 Portable Pumps & Water Use S-211 1 cr.

The course consists of three skill areas: supply, delivery, and application of water. Students will be required to demonstrate their knowledge of correct water use, basic hydraulics, and equipment care. The field exercise requires set up, operation, and maintenance of pump equipment. To receive credit for this course, students must have field work observed and approved, and take a closed book written exam. Prerequisites: FIRE-161. Offered: On Demand.

FIRE-282 Wildland Chain Saws - S212 2 cr.

The course lessons provide introduction to the function, maintenance and use of internal combustion engine powered chain saws, and their tactical wildland fire application. Field exercises support entry level training for firefighters with little or no previous experience in operating a chain saw, providing hands-on cutting experience in surroundings similar to fireline situations. Offered: On Demand.

FIRE-283 Fire Operations Wildland/Urban Interface 2 cr.

This course is designed to assist structure and wildland firefighters who will be making tactical decisions when confronting wildland fire that threatens life, property, and improvements, in the wildland/urban interface. Instructional units include: Interface Awareness, Size-Up, Initial Strategy and Incident Action Plan, Structure Triage, Structure Protection Tactics, Incident Action Plan Assessment and Update, Follow-Up and Public Relations, and Firefighter Safety in the Interface. Offered: On Demand.

FIRE-284 Driving Wildland Fire Service S216 2 cr.

This training course is designed to provide the student with the prerequisite knowledge and skills necessary to perform the tasks of the vehicle operator in the Wildland Fire Service. A significant portion of the course time is devoted to actual hands on driving exercises for the students. Offered: On Demand.

FIRE-285 Crew Boss - S230 1 cr.

This is a classroom course designed to produce student proficiency in the performance of duties associated with the single resource boss position from initial dispatch through demobilization to the home unit. Topics include: Operational Leadership, Preparation and Mobilization, Assignment Preparation, Risk Management, Entrapment Avoidance, Safety and Tactics, Offline Duties, Demobilization, and Post Incident Responsibilities. Prerequisites: FIRE-161. Offered: On Demand.

FIRE-286 Engine Boss - S231 1 cr.

This is a skills course designed to produce student proficiency in the performance of the duties associated with engine boss, single resource (ENGB). Topics include: Engine and Crew Capabilities and Limitations, Information Sources, Fire Size-Up Considerations, Tactics, and Wildland/Urban Interface. Prerequisites: FIRE-161. Offered: On Demand.

FIRE-287 Wildland Ignition Specialist S234 2 cr.

This is an entry-level course providing training in the functional roles and responsibilities connected with firing operations. The course covers planning, ignition procedures and techniques, and

equipment applicable to wildland and prescribed fire. This course also addresses the role of the ignition specialist or firing boss as the organization manages escalation from a non-complex to a complex fire situation. Prerequisites: FIRE-161. Offered: On Demand.

FIRE-288 Interagency Business Management S260 1 cr.

This course meets the general training needs of all positions for which an understanding of interagency incident business management is required. The Interagency Incident Business Management Handbook, PMS 902, is used as the primary job aid to supplement this course. It provides basic policy and direction for incident business management. Offered: On Demand.

FIRE-289 Basic Air Operations S270 1 cr.

This course covers aircraft types and capabilities, aviation management and safety for flying in and working with agency aircraft, tactical and logistical uses of aircraft, and requirements for helicopter take-off and landing areas. Offered: On Demand.

FRENCH

FREN-111 Elementary French I 4 cr.

Develops listening, speaking, reading, and writing skills. Uses a communicative approach to cover vocabulary, grammar, conversation, and culture. Offered: Fall and Spring.

FREN-112 Elementary French II 4 cr.

Continuation of FREN-111. Prerequisites: FREN-111. Offered: On Demand.

GEOGRAPHY

GEOG-111 Physical Geography 4 cr.

This class explores the distribution of features across the surface of the earth and analyzes the spatial and functional relationships that shape the earth, including the earth's movements, cycles, atmosphere, oceans, weather and climate, landform processes, vegetation dynamics and distribution, soil development and classification, and ecosystems. A lab is required. Offered: Fall & Spring.

GEOG-112 World Regional Geography 3 cr.

This course introduces students to the geographic regions of the world while emphasizing their physical features, resources, economies, culture, and politics. This class will cover trends in population, development and environment occurring around the world as well as methods and concepts of global and regional processes. Offered: Spring.

GEOG-115 Map Use, Interpretation & Design 4 cr.

The basic principles, functions, origins, use, interpretation, and cartographic design of maps will be covered. Offered: Fall.

GEOG-118 Introduction to Mapping Technologies 4 cr.

This course is an introduction to the current primary mapping technologies. Students will develop a basic understanding of Geographic Information Systems (GIS), Global Positioning Systems (GPS), and remote sensing technologies. Emphasis will be placed on applications of these technologies to a variety of fields. A lab is required. Offered: Spring.