

TWENTY
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THIRTEEN
REPORT



UNIVERSITY OF MISSOURI
 Extension

EMERGENCY MANAGEMENT FOR FIRE SERVICE • INTRODUCTION TO FIRE INSPECTION PRINCIPLES AND PRACTICES • LEADERSHIP: STRATEGIES FOR PERSONAL SUCCESS • LEADERSHIP: STRATEGIES FOR SUPERVISORY SUCCESS • MANAGING IN A CHANGING
 APING THE FUTURE • AWR-160: WMD AWARENESS • EMERGENCY RESPONSE TO TERRORISM: TACTICAL CONSIDERATIONS • COMPANY OFFICER • EMERGENCY RESPONSE TO TERRORISM: TACTICAL CONSIDERATIONS • EMERGENCY MEDICAL SERVICES • EMERGENCY RESPONSE TO TERRORISM: TACTICAL CONSIDERATIONS
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A Message From the Associate Vice Provost



I am honored to have this opportunity to congratulate University of Missouri Extension’s Fire and Rescue Training Institute (MU FRTI) on their continuing accomplishments in training Missouri’s fire and emergency service responders. As an integral component of the University’s land-grant mission, MU Extension is committed to building better lives, communities and economies through relevant, reliable and responsive educational solutions. MU FRTI exemplifies this mission with competency-based training that prepares emergency responders to better protect the citizens they serve. Through a statewide delivery system that provides training and education to participants where they work and live, MU FRTI delivers essential, accessible fire and emergency response training.

The MU FRTI staff has responded to a number of challenges and opportunities during FY13, and I want to acknowledge their professionalism and expertise in continuing to fulfill the Institute’s mission. During this past fiscal year Extension was pleased to assist the Institute in relocating to a new location on the main MU campus in Columbia that will provide enhanced office and classroom capabilities.

MU FRTI continues to reach students in every county of the state. Extension is proud of the dedicated efforts of the Institute’s administration, faculty, and staff in assisting the state’s fire service in meeting their training needs. Thank you to our partners, constituents, and students for your continued support and participation in the Institute’s training programs.

Beverly Coberly
 Associate Vice Provost and Associate Director
 University of Missouri Extension

Beverly Coberly
 Associate Vice Provost for Programs
 University of Missouri Extension



A Message From the Director

On behalf of the University of Missouri Fire and Rescue Training Institute, I am proud to provide you this annual report for Fiscal Year 2013 (FY13) highlighting the various activities and the diverse training programs conducted by the Institute.

In FY13, MU FRTI trained 13,868 fire and emergency service personnel, providing over 185,000 student instructional hours. In addition to conducting 597 courses, the Institute maintained its record of statewide outreach by providing training to students in all 114 counties of the state even though available training funding was less.

The profession, or avocation, of firefighting and emergency response continues to be one of the most honorable, yet potentially hazardous occupations in the United States. While working in these hazardous environments, fire and emergency responders must rely on their training and experience to protect themselves, and fellow responders while performing their duties of saving lives and property. I, and the Institute's faculty and staff, take seriously the responsibilities we have in providing accessible, effective training programs designed to meet the needs of Missouri's and our nation's fire and emergency responders.

As the fiscal year drew to an end, June was an extremely sad month for the faculty and staff of MU FRTI with the passing of two of our personnel. After an extended illness, Fire Service Instructor John Sachen passed away, and within a week, Regional Training Coordinator Lee Ireland suddenly passed away. With their deaths, Missouri's Fire Service and MU FRTI lost two highly skilled and dedicated individuals that contributed much on behalf of many.

During FY13, MU FRTI relocated to different facilities on the main University of Missouri campus in Columbia. After 22 years being located in the Heinkel Building on the NW end of the MU campus, the Institute now is located at 1110 South College Avenue. The new location provides enhanced operational features, including an expanded classroom. Extension's valuable assistance helped MU FRTI find a new and permanent home.

We appreciate the continued support of MU Extension, our state partners, fire and emergency service organizations and elected officials. Most importantly we thank you, the fire and emergency services of the State of Missouri, for your continued support of MU FRTI's mission and the programs we provide.

David E. Hedrick
Director
Fire and Rescue Training Institute
University of Missouri Extension



David Hedrick
Director



INCIDENT • MANAGING COMPANY TACTICAL OPERATIONS • SIMULATIONS • MANAGING COMPANY TACTICAL OPERATIONS • DECISION MAKING • NIMS: ADVANCED INCIDENT COMMAND SYSTEM • NIMS: INCIDENT COMMAND SYSTEM FOR THE FIRE SERVICE • STRATEGY AND TACTICS FOR INITIAL COMPANY OPERATIONS • HAZARDOUS MATERIALS • HOSPITAL DECONTAMINATION • FIRE DEPARTMENT MUTUAL AID SYSTEM • INCIDENT RESPONSE TO TERRORIST BOMBINGS: AWARENESS LEVEL • PREVENTION AND RESPONSE TO SUICIDE BOMBING INCIDENTS: AWARENESS LEVEL • RADIOLOGICAL INCIDENT MANAGEMENT • FIGHTING: HAZARDOUS WEATHER FOR EMERGENCY SERVICES • H100 INTRODUCTION TO INCIDENT COMMAND • H200 ICS FOR SINGLE RESOURCES AND INITIAL ACTION INCIDENTS • H700 NIMS: AN INTRODUCTION • H800 NATIONAL RESPONSE PLAN: AN INTRODUCTION • INDIVIDUAL AND FAMILY PREPAREDNESS • OVERVIEW • INCIDENT COMMAND SYSTEM FOR EMERGENCY MEDICAL SERVICES: PATIENT HANDLING/PATIENT CARE DOCUMENTATION: A PROACTIVE APPROACH • EMERGENCY RESPONSE TO AMMONIA INCIDENTS • FIRST OF THE DRUG LAB SCENE: AWARENESS • FIRST OF THE DRUG LAB SCENE: OPERATIONS • GASOLINE TANK TRUCKS • HAZARDOUS MATERIALS WORK PRACTICE: REFRESHING DETECTION • UNSTABLE LIQUIDS AND GLASS: F OAM • RESPONDING TO CHLORINE EMERGENCIES • CULTURAL DIVERSITY FOR FIRE AND EMERGENCY SERVICES INSTRUCTORS • DEVELOPING A FIRE DEPARTMENT TRAINING PROGRAM • FIRE SERVICE INSTRUCTOR • FIRE SERVICE COMMAND • H200 ICS FOR SINGLE RESOURCES AND INITIAL ACTION INCIDENTS • H800 NATIONAL RESPONSE PLAN: AN INTRODUCTION • NIMS: INCIDENT COMMAND SYSTEM FOR THE FIRE SERVICE (ICS-100 AND ICS-200) • NIMS: INCIDENT COMMAND SYSTEM FOR EMERGENCY MEDICAL SERVICES • NIMS: ADVANCED INCIDENT COMMAND SYSTEM • WILDLAND/URBAN INTERFACE FIRE FIGHTING • KILLER IN THE ATTIC • LIVE FIRE TRAINING • PRINCIPLES OF BUILDING CONSTRUCTION: COMBUSTIBLE • PRINCIPLES OF BUILDING CONSTRUCTION: NON-COMBUSTIBLE • RAIL SAFETY FOR FIRST RESPONDERS • RAPID INTERVENTION CREW TACTICS • RESPONDING TO TILT AND RESCUE PRACTICES • RAPID DEPLOYMENT SEARCH AND RESCUE RECOVERY • ROPE RESCUE: TECHNICIAN • SCHOOL BUS RESCUE • STRUCTURAL COLLAPSE RESCUE: OPERATIONS • STRUCTURAL COLLAPSE RESCUE: TECHNICIAN • SWIFT WATER FLOOD RESCUE: OPERATIONS • SWIFT WATER FLOOD RESCUE: TECHNICIAN • FIRE FIGHTING TECHNIQUES FOR EMERGENCY RESPONDERS • AERIAL APPARATUS OPERATOR • BASIC PUMP OPERATIONS • DYNAMICS OF EMERGENCY VEHICLE DRIVER TRAINING • EMERGENCY VEHICLE SAFETY • MOBILE WATER SUPPLY OPERATIONS • PUMPING APPARATUS DRIVER • RESCUE COMMITTEES BEYOND CONFLICT • EXECUTIVE SKILLS SERIES: MANAGING AND LEADING CHANGE • FIRE SERVICE CASE LAW • INTRODUCTION TO UNIFIED COMMAND FOR MULTI-AGENCY AND CATASTROPHIC INCIDENTS • INTRODUCTION TO VOLUNTEER EMERGENCY SERVICES MANAGEMENT • HOW TO MANAGE THE INCIDENT • LEADERSHIP STRATEGIES FOR COMPANY SUCCESS • LEADERSHIP STRATEGIES FOR PERSONAL SUCCESS • LEADERSHIP STRATEGIES FOR EMERGENCY RESPONSE TO TERRORISM: TACTICAL CONSIDERATIONS • HAZARDOUS MATERIALS • HOSPITAL DECONTAMINATION • FIRE DEPARTMENT MUTUAL AID SYSTEM

Origin of the MU FRTI Emblem

The University of Missouri Fire and Rescue Training Institute (MU FRTI) traces its roots back to 1933 when the Missouri Fire Service came together to conduct the first Missouri Central Fire School held in conjunction with the University of Missouri—Columbia. This event became known as the Summer Fire School and MU FRTI celebrated the 81st Anniversary of this annual event in June 2013.

Since the inception of the “Firemanship Training” program, an insignia depicting fire service symbols has been used to represent the program. The first insignia or symbol was a simple circle with University of Missouri – Fire Training around the edge and traditional fire service symbols incorporated in the center. Over time the program insignia changed adopting the outline of the Maltese cross, a universal symbol of the fire service, when the program gained Institute accreditation with the University of Missouri in 1982.

The first use of this Maltese cross in the United States by the Fire Service is traced to New York Fire Department in the early 1900s which began wearing the symbol on the sleeves of their uniforms to denote degrees of merit for firemen who performed rescues at fires. This version of the Maltese cross quickly spread throughout the United States Fire Service. Today this is the single dominant symbol of the United States Fire Service, and is recognized not only in the States but around the world.

Variants of today’s Fire Service Maltese cross may have additional fire service symbols placed within the center or on the “wings” of the cross. The center is usually always considered as the place of honor for the placement of a symbol. Tradition plays a predominate role in the Fire Service. To each generation of firefighter and citizen, it represents the dedicated and unchanging mission of the fire service, that of protecting life and property. The Maltese cross is a Firefighter’s badge of honor, signifying that he/she works in a profession or avocation that exemplifies duty, honor, and courage.

The following provides specific information on the details of the MU FRTI emblem. The center holds the official “MU” logo of the University. It represents the University as the seat of learning of the State of Missouri. It also represents the Extension outreach mission that the Institute fulfills through the statewide training delivery of fire and emergency response training which protects and enhances the safety and lives of the firefighters and the citizens they are sworn to serve. To provide continuity in the transition to the Maltese cross, the traditional fire service symbols used in the original Institute emblem were placed in the “wings” of the cross. Those included were a lamp of knowledge, fire axe, and a crossed ladder and pike pole. The top “wing” contains the lighted lamp of knowledge which

represents the shining light of knowledge or education over darkness or ignorance. This symbol is taken from early western civilization symbols of learning, and gained national prominence in the fire service in the 1960s representing fire education and training. The left “wing” depicts the tools of the fire service (a crossed ladder and pike pole) which signifies the technical skills training provided by the Institute combined with the knowledge component to produce a competent firefighter. The right “wing” depicts a fire hydrant which symbolizes the extinguishing agent used to overcome the flames that the firefighter must face in the Line of Duty. The hydrant also represents a fountain of life and knowledge.

The bottom “wing” contains a fire axe (identifiable by the “pick” head) which stands for the fierce bravery of the firefighter as they fight their way through any obstacle to save lives and property.

All these components of the MU FRTI emblem taken together represent the daily activities of the staff and students (firefighters) of the Institute in pursuit of the goal of providing training and education that will develop and enable competent, safer firefighters and safer communities for the citizens of Missouri and beyond.



PROGRAM DATA

FY13 Program Statistics

Education and Training Provided

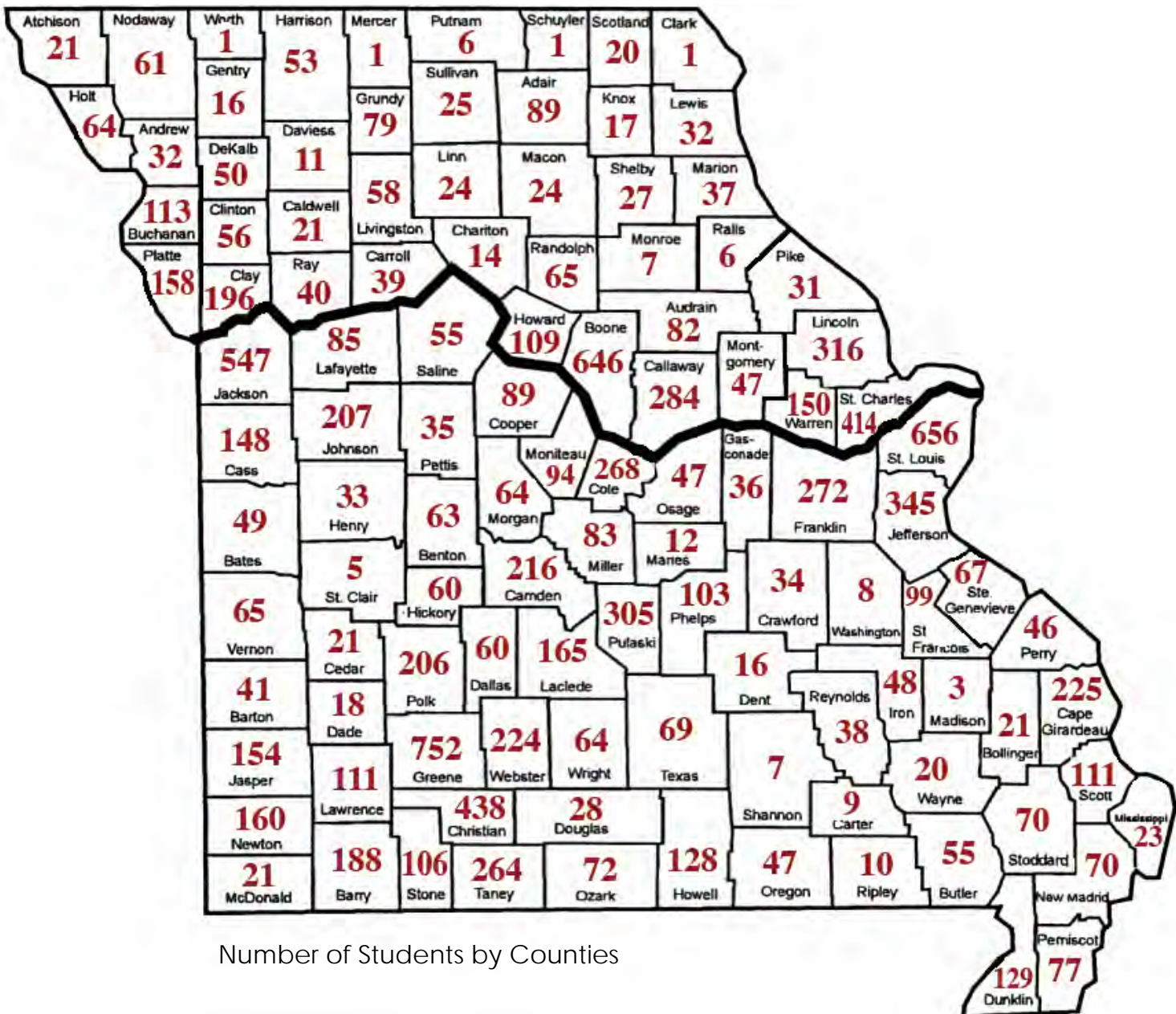
- 597 — Courses Conducted
- 13,868 — Fire and Emergency Service Personnel (students)
- 185,510 — Student Instructional Hours
- 1,037 — Fire Departments/Organizations/Agencies Served

Areas Served

- Missouri — 100% — All 114 Counties
- United States — 39 States and the District of Columbia

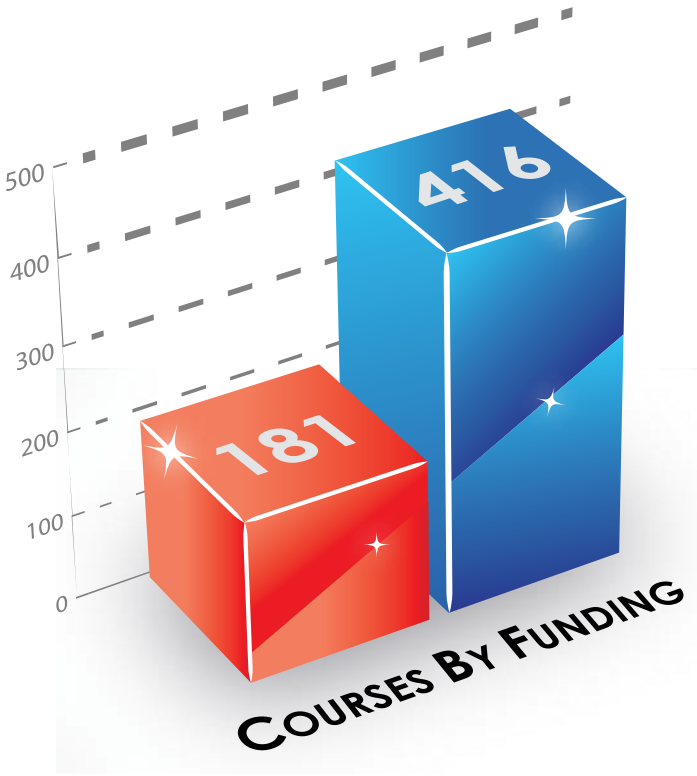
Extension Outreach

Travelled 211,269 miles in FY13 delivering training and services



Number of Students by Counties

PROGRAM DATA



Fiscal Matters and Responsibilities

MU FRTI gratefully acknowledges the funding resources provided by the University, Extension, and state and federal government and organizational partners. The on-going assistance and resources provided by our partners will assure the continued success and financial health of the Institute.

Although university and general business costs increased, the Institute held even its overall course and tuition rates during the fiscal year. MU FRTI self-generates approximately 79% of its operational budget through fees, contracts, and grants. MU FRTI continues to practice good stewardship in keeping administrative costs low, directing resources to instruction, and effectively utilizing subsidy funds to make training as accessible as possible to Missouri’s fire and emergency service responders.

Program Accessibility

Programming is open to all qualified fire and emergency first responders and emergency managers on an equal opportunity basis. MU FRTI provides training courses across the state at local “host” departments or agencies, and schedules the training as appropriate to meet their needs. With the majority of the state’s fire service considered volunteer or part-paid this local access and flexibility assures training opportunities for all firefighters. MU FRTI is known for “bringing training to the student.” This includes, where necessary, the transport of specialized fire training props and equipment to training locations throughout Missouri, as well as other states. MU FRTI has a fleet of 21 training support and equipment trailers that range from small cargo trailers to semi-tractor trailers. In FY13 MU FRTI personnel, vehicles, and support trailer fleet traveled 211,269 miles to deliver training.



- 48% - Fees, Tuition and Other
- 21% - MU/Extension Support
- 10% - Regional and Local Contracts
- 9% - Division of Fire Safety Contracts
- 4% - Missouri Office of Homeland Security
- 3% - Department of Natural Resources
- 3% - Missouri Departments/Agency and Others
- 2% - Federal Funding

Funding Sources

Customer Satisfaction

To judge the effectiveness of each course that MU FRTI presents, a course evaluation is completed by each student in the course. The evaluation form provides the opportunity for the student to give feedback through answering questions regarding these six areas: course, visual materials, activities, printed materials, instructor(s), and classroom. A numerical rating scale is used to tabulate responses on a scale of 0 – 4 which corresponds to a letter grade of “F” to “A”. MU FRTI’s overall customer satisfaction rating increased to a 3.2 in FY13 equating to a continuing “B” average.



Missouri’s Fire Service

Missouri has 893 fire departments/fire protection districts in the state that are served by an estimated 23,600 firefighters. They protect a population of 5.9 million people dispersed over 68,886 square miles. On average, there are 4 firefighters for every 1,000 citizens in the state. By geographic distribution, there is on the average one firefighter per three square miles. The state continues to be protected mostly by volunteer firefighters with approximately 80 to 90% of the state’s fire service considered volunteer or part-paid.

Each and every day Missouri firefighters and emergency personnel have the potential to respond to fires, emergency medical events, and disasters in order to protect their citizens and communities. When these incidents occur, the state’s emergency responders valiantly work to aide in the mitigation of these incidents and assist in the restoration of their communities. The occupation or avocation of firefighting by its very nature has inherent risks.

During this past year three Missouri firefighters were lost in the Line of Duty while protecting their fellow citizens. MU FRTI faculty and staff extend our deepest sympathy to the fire departments and families of these honored heroes, and we continue our dedicated commitment to reducing Line of Duty deaths by developing better prepared and trained firefighters.



Report from the Associate Director



Kevin Zumwalt
Associate Director

The Associate Director of the Fire and Rescue Training Institute is responsible for management of the daily operations of the Institute along with oversight of special projects and conferences. The position reports to the Institute’s Director and provides assistance and back-up to the Director in the accomplishment of the programmatic objectives of Extension’s training and education mission. The Associate Director oversees the Specialist positions and their program areas within the Institute. This position is also responsible for the oversight of curriculum review and development. The Associate Director position also acts as the liaison/coordinator for various electronic communications and data storage resources of the Institute. This position may have additional responsibilities as determined by the Director.

Curriculum Updates

In FY13, the Institute completed an update to the Hazardous Materials/WMD Incident Response: Awareness and Operations curriculum to integrate the newest version of the North American Emergency Response Guide (ERG). These updates were applied to our online Awareness course, which concurrently was converted to a new format on a new server.

In addition, we are working on updating our Technical Rescue curriculums to meet the 2013 edition of *NFPA Standard for Technical Rescuer Professional Qualifications*.

National Fire Academy

Since the establishment of the U.S. Fire Administration’s National Fire Academy (NFA), it has worked in concert with the state fire training systems to make NFA programming as accessible as possible. As part of the NFA/State Training System partnerships, various joint training opportunities were developed using enfranchised, approved, and/or state sponsored programming. It is through this partnership in Missouri that MU FRTI is the statewide point of contact for the NFA.

In joint partnership in FY13, MU FRTI and the NFA coordinated the delivery of six direct course deliveries and two six-day Regional Deliveries from the National Fire Academy within Missouri. MU FRTI conducted 22 NFA courses as in-state deliveries through the NFA state training grant program. In addition through the Approved Course agreement between the NFA and MU FRTI, the Institute registered 106 courses with the NFA for dual credit for 1,830 students, equating to 30,604 student instructional hours for these NFA courses alone.

NIMS ICS All-Hazards Position Specific Training

MU FRTI, in cooperation with FEMA and the Emergency Management Institute (EMI), as well as the Missouri State Emergency Management Agency and the Office of Homeland Security, was able to provide additional Incident Command System (ICS) training for personnel responsible for managing incidents of greater complexity than those typically encountered during routine operations. This training is designed to provide all-hazards competencies and behaviors for Command and General Staff and selected Unit Leader positions within a Type III and/or Type IV Incident Management Team (IMT) environment. Competencies in the training are focused around the ability of

the student to assume specific position responsibilities, lead assigned personnel, communicate effectively, and to ensure the completion of assigned tasks in order to meet identified objectives for the position.

In FY13, the Institute delivered five All Hazards Position Specific courses to 112 students for a total of 3,288 contact hours. Classes were delivered by the request for The Mid-America Regional Council, St. Louis Area Regional Response System, and the Missouri Office of Homeland Security.

Aircraft Rescue Firefighting



Mark Lee
Specialist

The Aircraft Rescue and Fire Fighting (ARFF) Program provides specialized fire training to the Federal Aviation Administration (FAA) certificated airports in the FAA central region and across the nation. MU FRTI's ARFF Program utilizes a Mobile Aircraft Fire Training (MAFT) simulator to provide realistic, effective fire and rescue training on-site at airport locations. This provides ARFF personnel and other local mutual aid responders the opportunity to practice handling aircraft incidents in their local jurisdiction utilizing their own equipment and resources. The institute's ARFF Program is recognized by the FAA for meeting initial training and recertification requirements for ARFF personnel. In FY13, the ARFF Program provided training to Missouri FAA commercial indexed airports, as well as airports in six other states.

Program Highlights During FY13

- MU FRTI continues to partner with other state training entities to provide hands-on “live” fire training for airport recertification in their state. MU FRTI is proud to partner with University of Kansas Fire and Rescue Training Institute (KU FRTI) and Texas Engineering Extension Services (TEEX) for ARFF training.
- The ARFF Program in conjunction with Summer Fire School, conducted the first “Aircraft Rescue Fire Fighting Initial Training” course. The course included students from Mena AR, Branson, MO and Jefferson City, MO. In addition the SFS “Aircraft Part 139 Refresher Training Fires” course had two participants from Wake Island, Pacific Ocean.
- A presentation was developed and presented to the Missouri Department of Natural Resources (DNR) staff for aircraft rescue operations for emergency responders in Jefferson City, Missouri.

Courses	57
Enrollment	956
Instructional Hours	6,724

Military Programs

The Military Program was established to more effectively coordinate the respective activities of University of Missouri Fire and Rescue Training Institute (MU FRTI) with military units and agencies at the local, state and national level. The Military Programs Coordinator serves as the principal point of contact and coordination to liaise with the Department of Defense (DoD) agencies in an effort to assist MU FRTI to coordinate, plan, and conduct activities with the military community. To achieve the best use of MU FRTI's assets and resources, the program reinforces community and private relationships that enhance the various missions of each agency or unit.

FY13 Projects/Services

- Missouri National Guard
- Missouri Department of Natural Resources



Colonel (R)
William P. Johnson
Military Program Coordinator

Industrial and Business Safety

The Industrial and Business Safety Program provides training to industrial fire brigade members as well as emergency response teams. The courses are intended to provide these responders with the tools to handle incipient fire emergencies to structural fire response, confined space and high angle rescue, and hazardous materials incidents. These programs are tailored to meet

the needs of the client by incorporating industry emergency response plans and operational procedures in the development of the individualized training programs. Courses are conducted on-site at industrial facilities and/or host fire training facilities depending on the course activities and skills.

Customers in FY13

- Noranda Aluminum Inc.
- Bayer Crop Science
- Kraft Foods
- Trinity Marine Products, Inc.

Courses.....	19
Enrollment	222
Instructional Hours	2,720

Technical Rescue Programs

The Technical Rescue Program provides the requisite knowledge and skills necessary to fire and emergency responders to ensure that they safely and efficiently respond to and mitigate incidents requiring technical expertise. The specialized disciplines in this program area include Rope Rescue, Confined Space Rescue,

Trench Rescue, Structural Collapse Rescue, Swift Water Rescue, and Rescue Boat Operations. The training prepares first responders to mitigate incidents from natural or man-made disasters such as earthquakes, tornadoes or a terrorist event.

Agencies Providing Contracts and Grants in FY13

- Missouri Division of Fire Safety - Missouri Fire Safety Education/Advisory Commission
- St. Louis Area Regional Response System (STARRS)
- Region D Regional Homeland Security Oversight Committee (RHSOC)
- Mid-America Regional Council (MARC)

Courses.....	92
Enrollment	1,576
Instructional Hours	30,652

“University of Missouri Extension Fire and Rescue Training provided the regional tabletop exercises as part of a 2010 Homeland Security Grant Program in the Southwest Region. (The MU FRTI Specialist) worked hard to meet my expectations in the project and went above and beyond to cooperate with the grant administrator.

I was completely satisfied with all aspects of the programming and I hope that similar cooperative programs can be administered in the future.”

— Jay Chism Director
Extension Southwest Region





Field Extension Program



Gail Hagens-Reynolds
Staff Specialist

The Field Extension Program housed within the Institute is responsible for coordinating all of the operational activities of fire and emergency response training courses, delivered using a field extension format across the state. This program oversees and allocates state funding sources for direct field training deliveries and the scheduling of regional conferences. MU FRTI appreciates the successful partnership with all our state and federal partners, in providing funding subsidy for the delivery of no-cost statewide training for Missouri’s fire and emergency service responders.

State and Federal Funded Programing

- State Fire Training Funds (General Revenue, Fire Education, and CEPF) provided to MU FRTI by the Division of Fire Safety (DFS) and the Missouri Fire Safety Education/Advisory Commission enabled a total of 120 subsidized classes for a total enrollment of 3,716 students, which equated to 47,060 student instructional hours.

- Missouri Department of Transportation (MODOT) Highway Safety Grant provided funding that was contracted with MU FRTI to conduct highway safety emergency response related courses in FY13. Data below reflects courses conducted within the MU FRTI fiscal year that encompasses portion of two grant years
- The United States National Fire Academy (NFA) through the State Fire Training Grant program provided funding to MU FRTI to conduct NFA “Hand-off” and “Approved” courses within the State of Missouri in FY13. The data below reflects courses conducted within the MU FRTI fiscal year that encompasses portion of two grant years.

Missouri Fire Safety Education/Advisory Commission and DFS/General Revenue Training Funding

Courses.....	98
Enrollment	1,956
Instructional Hours	32,540

Chemical Emergency Preparedness Fund

Courses.....	22
Enrollment	1,760
Instructional Hours	14,520

MODOT Highway Safety Grant

Courses.....	13
Enrollment	286
Instructional Hours	3,944

NFA State Fire Training Grant

Courses.....	22
Enrollment	503
Instructional Hours	7,436

Regional Schools

MU FRTI conducted three Regional Fire Schools in FY13. Regional Fire Schools bring multi-course programming in a weekend format to geographic areas of the state with course work designed to meet regional training needs or concerns.

In FY13, Regional Fire Schools were conducted in Region D – Greene County/Springfield, MO; Region E – Cape County/Jackson, MO; Region I – Pulaski County/Waynesville, MO. A total of 178 students participated in Regional Fire Schools.

- The Field Extension Program traveled an estimated 80,000 miles in FY13 as part of the field extension outreach to provide accessible training courses.

Field Extension Program FY13 Totals*

Courses.....	239
Enrollment	5,928
Instructional Hours	80,551

* Includes HazMat classes funded by CEPF

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Winter and Summer Fire School Conferences



Tracy Gray
Training Associate

Following a long history and tradition of excellence in fire service training which began with the first mid Missouri State Fire College in 1933, MU FRTI continues to provide state fire schools to meet the training needs of Missouri's fire and emergency responders. There are two annual fire schools offered each year that attract emergency responders from across Missouri, as well as the mid-west United States. A number of scholarships for WFS and SFS are provided each year as part of the Phil Sayer Memorial Scholarship Fund. Scholarship funding is provided by the Missouri Division of Fire Safety and the Missouri Fire Safety Education/Advisory Commission.

Webcast for Distance Learning

MU FRTI continues to conduct selected courses via webcast that included an on-site student audience, along with distance learners across the Midwest during Winter Fire School. The courses were made available to registered locations through web access, and provided a great learning opportunity for those that were unable to physically attend the WFS in Columbia, MO. Participation in the webcast portion of WFS remained strong for FY13.

Courses	3
Enrollment	647
Instructional Hours	2,588

Winter Fire Schools

Winter Fire School (WFS) is held in Columbia each February. The event offers a diverse variety of classes to choose from in a weekend format. In addition to Missouri students, there were students from five other states represented in FY13. Associated with WFS is the Midwest's largest Equipment Exposition that provides an excellent opportunity for learning and networking. The success of WFS is due not only to the experienced instructors, an effective Command Team, a dedicated staff, our fire service partners and supporters, but especially to the fire departments and individual student participants. Thank you for continuing to support this important training event.



WFS Totals	
Courses	82
Enrollment	2,835
Instructional Hours	12,296

Summer Fire Schools

Summer Fire School (SFS) and Midwest Wildfire Training Academy (MWTA) were held in Jefferson City, June 5-9, 2013. This annual event offers both classroom-oriented and hands-on courses ranging from seminars to week long programs. The MWTA, held in conjunction with SFS, focuses on the practical skills training necessary for today's wildland firefighters and is made possible through a grant with the USDA Forest Service. In addition to Missouri students, there were students from seventeen other states represented.



SFS Totals	
Courses	38
Enrollment	569
Instructional Hours	11,379

Fire Schools also generate a positive economic impact on Columbia and Jefferson City where they are held. It has been estimated that the events each bring in over half a million dollars to the local community through direct and indirect expenditures by the participants and guest faculty.

Fire Service Leadership Enhancement Program



In FY13, the 11th *Annual Fire Service Leadership Enhancement Program* provided executive leadership training for current and future fire chiefs. This program is a joint activity conducted

by the Harry S. Truman School of Public Affairs. Twenty-five executive fire officers completed the program this year.

“As President of the Fire Fighters Association of Missouri (FFAM), we have become very dependent and appreciative of the professional relationship we have with the University of Missouri Fire & Rescue Training Institute. The Institute has consistently offered to assist the FFAM with all of our activities and programs that we provide to our 8,000 members.

MU FRTI has always responded to my requests for special presentations without hesitation. Keep up the good work MU FRTI, as you serve the emergency services of Missouri”

— Kenneth Hoover, President
Fire Fighters Association of Missouri

MU FRTI Offices Move to New Location

The first part of April 2013, MU FRTI moved to a new location on the MU Campus. The Institute is now located at 1110 S. College Avenue at the corner of College and Stadium in Columbia, MO. Throughout MU FRTI’s history the program has been housed in a number of locations on the University of Missouri campus in Columbia, MO. Previous to this move, the Institute was located in the Heinkel Building for over 20 years.

The new quarters for the program are in an MU Extension exclusive building, housing Extension’s MU FRTI, Missouri 4-H, and Extension Technology and Computer Services (ETCS). The move provides the Institute with a larger classroom, more accommodating office space, and on-site storage for equipment and supplies.



ADDITIONAL TRAINING

MU FRTI Adjunct Instructor Cadre

Over 160 of the top professionals in the nation are members of the MU FRTI Adjunct Faculty/Instructional Cadre. Most are active-duty firefighters and officers, and their expertise and practical hands-on experience, coupled with advanced instructional training, enable them to provide the very best in fire service instruction. The geographic dispersion of the Institute's Instructional Cadre across the state, along with their broad range of subject matter expertise, allows the Institute to utilize local instructors, working in conjunction with scheduling requirements of the host department, to make training courses as accessible as possible. MU FRTI gratefully acknowledges the important contribution that our Instructional Cadre makes to the successful accomplishment of the Institute's mission. Through the classes they teach, MU FRTI Instructors enable Missouri firefighters do their work better and more safely by providing the best and most relevant training and education.

"I can't think of a thing I would change about the presentation. The presenter brings humor to a very dry subject and many said that he did a great job! They really enjoyed it and hopefully, it will make more people get disaster plans together."

— Cassandra Charles
Individual and Family Preparedness presentation



MU FRTI Receives New Mobile ARFF Training Unit

In the spring of 2013, MU FRTI received a new mobile aircraft firefighting trainer (MAFT) in partnership with the Missouri Department of Transportation (MoDOT) Aviation Division through a grant from the Federal Aviation Administration (FAA) Central Region. The primary audience for the unit is FAA Part 139 certificated airports which provide commercial flight services in IA, KA, MO and NE. The \$1.6 million trainer will allow emergency responders to extinguish aircraft training fires, incorporate incident management system principles, conduct primary/secondary searches, perform resupply, practice operating airport aircraft crash response vehicles, work with mutual aid departments, use the departments own equipment/operating procedures and conduct training on the departments schedule. The MAFT allows responders to handle fires in a variety of locations: fuselage fire on both sides, 900 sq. ft. fuel spill, 3 aircraft engines, flight deck, galley, two cabins, overhead compartment, two wheel assemblies, 3d, auxiliary power unit, cargo, and flashover fires. The trainer has 4 "cut in" panel locations which allow fire fighters to pierce the panels or use a power saw to "cut in" to make entry into the unit. The unit also has a smoke machine to enhance the training. Three cameras record the training; heat/LEL sensors continually monitor the atmosphere; and other design features provide for a safe training experience.



Top Five Participating Organizations by Number of Students



Springfield
Fire Department



Columbia
Fire Department



Kansas City
Fire Department



Jefferson City
Fire Department



St. Louis
Fire Department

Did you Know?

- 75% of MU FRTI programs were conducted throughout the state at locations close to where firefighters work and live.
- MU FRTI is one of only eight state fire training programs connected to a University system in the United States.
- On average MU FRTI has 11 courses starting each week.
- With the exception of holidays, the Institute averages five classes occurring somewhere in Missouri every day of the year.
- In FY13, the Institute traveled 211,269 miles to deliver training.
- MU FRTI's website received over 1.8 million visits during FY13.

Programming Accreditation/Acceptance

- American Council on Education (ACE)
- U.S. National Fire Academy (NFA)
- Division of Fire Safety (DFS)
- State Emergency Management Agency (SEMA)
- Missouri Emergency Response Commission (MERC)
- Missouri Bureau of Emergency Medical Services (EMS)
- Missouri Propane Education and Research Council (MOPERC)
- Peace Officer Standards and Training (POST)
- Columbia College
- Office of Domestic Preparedness/Department of Homeland Security

"I wanted to thank you very much for all of your help and participation in the new disaster course for the VM-2 students. I think it was a really spectacular educational experience for the students, and I am both thrilled and amazed at how much the students learned."

— Cathy Vogelweid
Clinical Associate Professor
Department of Veterinary Pathobiology

Acknowledgements

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The MU FRTI 2013 Annual Report was developed in-house and produced using self-generated revenue.



Services

- Subsidized training at no-cost
- Low cost fee or tuition based training
- Student records and transcripts
- State and national accreditation/recognition
- National Fire Academy POC
- Liaison with other organizations/associations
- Curriculum development
- Technical advising

Types of Training

- Firefighting
- Technical Rescue
- Hazardous Materials/WMD
- Aircraft Rescue and Fire Fighting
- NIMS/ICS and IMT
- Driver/Operator
- Fire Instructor
- Fire Officer
- Anti-Terrorism
- Emergency Management
- Emergency Exercises and Evaluations
- Industrial Fire and Rescue
- Specialized Programs

Training Available Through

- Field Extension (local) delivery
- On-campus
- Registered Programs
- Regional/State Fire Schools and Conferences

Fire and Rescue Training Institute University of Missouri Extension

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