

MESSAGE FROM THE DIRECTOR



This year was a special one for the Illinois Fire Service Institute (IFSI) as we celebrated our centennial year of operation. It is customary for this annual message to be filled with positive notes of training successes, staff accomplishments, and organization growth. This year, it brings me pleasure to also include a recap of our 100-year celebration activities. With no hesitation, I can write it was truly a wonderful year.

In late 2023, the IFSI Team launched our year-long centennial celebration campaign. The endeavor included salutations to our past and present students and staff, acknowledgements of the partners and affiliates who supported our operational growth, and numerous highlights of the many challenges and successes that occurred through the years with the evolution and expansion of our programs and training facilities. The campaign included multiple regional media segments and hosting a community open house where over 1,000 members of surrounding areas experienced IFSI through hands-on, interactive training demonstrations. Our celebration culminated during our annual Fire College event with an official centennial recognition ceremony and street fair celebration. Over 700 students, instructors, staff, and special guests joined us for the festivities. It was a weekend to remember.

While our 100-year celebration brought opportunities for engagement and fellowship, the IFSI Team also delivered quality training programs across the state and nation. In FY24, IFSI saw a 21% increase in the number of enrolled students and a 12% increase in our total student reach. It is with great pride that I can also note we served students from every county in the State of Illinois. As Director, I remain committed to ensuring that our numbers are always backed with top-quality and effective training across all programs.

IFSI consistently focuses on providing training, education, and information that is also at the forefront of national standards. Our resolute team of curriculum specialists and subject matter experts consistently review training requirements and industry trends. In FY24, IFSI supported the update of 15 existing courses and the development of 12 new courses to ensure we meet the training needs of the students and departments that we serve.

I would be remiss if I did not acknowledge that our many successes and celebrations in the fiscal year are a direct result of the talents and commitment of the IFSI Team. Our staff and instructors remain the backbone of the organization. As I took the time to reflect on our growth since 1925, it was apparent that our staff has always been the driving force behind our successes. Our team today continues to deliver with tenacity and passion. I am honored to represent this talented group of individuals.

Thank you for your support of the Illinois Fire Service Institute. It is my pleasure to support our mission of Helping Firefighters Do Their Work Through Training, Education, Information, and Research.

DIRECTOR. ILLINOIS FIRE SERVICE INSTITUTE



FY 2024 STATS AT A GLANCE



TOTAL REACH* **63,766**

TOTAL STUDENTS **58,171**

1,244

16,076

917,128

FIRE DEPARTMENTS SERVED

1,002

ILLINOIS COUNTIES REACHED

102/102

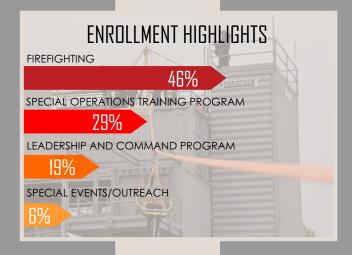
STUDENTS REACHED FROM OTHER AGENCIES***

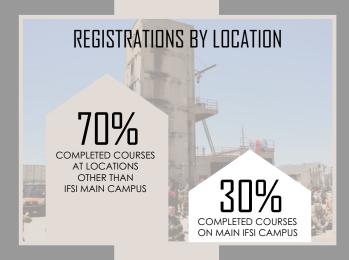
6,867

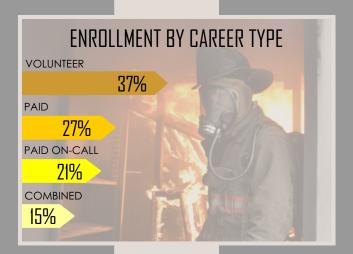
^{*} Total reach includes outreach activities where individuals received training, education, or information from members of the IFSI Team, but were not registered for a specific class or training activity. Outreach activities include presentations, conferences, workshops, webinars, and national stage deliveries.

^{**} Includes local departments using facility space for training.

^{***} Students reached from other agencies: education, EMS, health, government, police, and industry.







IFSI FUNDING SOURCES

Total Annual
Operating Budget
\$21,062,631*

Gifts In Kind Support \$1,515,000



| \$4.726 M | Fire Prevention Fund (General) – 22% |
|-----------|---|
| \$945,200 | Fire Prevention Fund (Cornerstone) – 4% |
| \$4.726 M | Cost Recovery (Student Fees) – 22% |
| \$2.734 M | Grants (Federal & Private) – 13% |
| \$5.598 M | Grants (State) – 27% |
| \$1.497 M | Gifts – 7% |
| \$298,738 | Endowments (Market Value) – 1% |
| \$537,586 | Indirect Cost Recovery – 3% |
| | |

^{*}Represents an increase across 2 fiscal years.

AFFILIATE SUPPORT

Our many strategic affiliations allow us to share knowledge and resources with leading educators, researchers, corporations, professional associations, and other organizations. In addition to those listed, we are grateful for the support received through fire service vendors and suppliers who contribute to the fulfillment of our mission.

IFSI AFFILIATES:

- Office of the Illinois State Fire Marshal
- Mutual Aid Box Alarm System MARAS
- Illinois Community Risk Reduction Task Force
- Illinois Fire Chiefs Association
- Illinois Firefighter's Association
- Illinois Association of Fire Protection Districts
- Associated Fire Fighters of Illinois
- Illinois Professional Firefighters Association
- Illinois Society of Fire Service Instructors
- Illinois Fire Safety Alliance
- Illinois Fire Inspectors Association
- North American Fire Training Directors NAFTD
- Northern Illinois Alliance of Fire Protection Districts
- Illinois Chapter International Association of Arson Investigator
- State of Illinois Fire Caucus
- Illinois Department of Natural Resources
- Illinois Propane Education and Research Council

IFSI RESEARCH PROGRAM

LAB REMODEL & MOBILE LAB:

- The current lab space has been renovated and now accommodates progression and cardiovascular events.
- IFSI has purchased a Liquid Chromatographer-Mass Spectrometer (LC/MS) for processing human specimens for metabolomic studies.



IFSI RESEARCH LABS VISION/EXPANSION:

FUTURE RESEARCH PROJECTS:

screening for early cancer detection and prevention.

- Fire Safety Preparedness for Individuals who use Wheelchairs and Scooters Living with Spinal Cord Injury. Led by Dr. Laura Rice from Kinesiology & Community Health, funded by the Craig H. Neilsen Foundation.
- Associate Director of Cancer Center at UIUC, funded by UIUC Office of Research. How PFAS can affect firefighter's health.
- Department of Computer Science along with Dr. Zhisheng Yan from George Mason University.
- Development of Contamination Resistance as a Measure for Firefighter Protective Clothing, Led by Dr. Bryan Ormond at North Carolina State University, Evaluating PPE effectiveness in the absence of PFAS.
- On Wireless Physiological Monitoring for Assessing Heat Stress Over Extended Periods. Project is led by Dr. Kaitlyn

PEER REVIEWED PUBLICATIONS:

- Evaluation of self-contained breathing apparatus (SCBA) weight on firefighter stamina, comfort, and postural stability.
- Ergonomics, 1-14. https://doi.org/10.1080/00140139.2024.2375026

 Thermal degradation of self-contained breathing apparatus facepiece lenses under radiant thermal loads. Journal of Fire Sciences. 2024;42(3):236-247. https://doi.org/10.1177/0734904124122792

 Impact of firefighter hood design on range of motion, noise production and hearing. Ergonomics. 2023 Dec 5:1-10. https://doi.org/10.1080/00140139.2023.2290987

INTERNATIONAL PROGRAM HIGHLIGHTS

IFSI Library outreach services has built a viable global community of 883 individuals from 217 organizations. IFSI International Programs answered 10,304 international requests in FY2024. Since April 2020, the International Program has organized 111 lecture series on library and information science, fire safety, Chinese arts, and visiting scholars' research via Zoom with 8,371 participants throughout the world. Since 2005, the initiatives Chinese Librarian Scholarly Exchange Program (CLSEP) and the Visiting Scholar Program have been highly successful. The CLSEP has received 449 librarians from 146 organizations and the Visiting Scholar Program has hosted 189 scholars from 91 institutions in China, Brazil, South Korea, and the Netherlands since 2008.

In FY24, 18 Chinese visiting scholars arrived in Champaign for hands-on, live fire training. They came from all areas of China; including Beijing, Hangzhou, Zhenjiang, Chengdu, Wuhan, Dalian, Guangzhou, and Harbin.

LIBRARY

The IFSI Library is the only library in the state dedicated to fire and emergency services and is the third largest fire and emergency services library in the United States. The IFSI Library provides services in the key areas of reference, circulation, and interlibrary loans.

FY2024 HIGHLIGHTS:

- 354 items were added to the collection, including 217 general donations
- 6,333 items were loaned, including 140 through interlibrary loans
- The online subject guides (LibGuides) were viewed **36,638** times
- 37 user training workshops were delivered to 420 firefighters, fire service professionals, IFSI and UIUC staff
- 4,808 training and outreach emails were sent to 372 Illinois fire departments

OPERATIONAL ACHIEVEMENTS

Achievements in key areas include a record high **20,338** reference requests in FY2024, an increase from **12,285** in FY23. These reference requests include:

- **4,754** from Illinois firefighters and fire departments
- 1,880 from IFSI instructors, staff and students
- 3,400 UIUC staff and students, libraries and general public
- 10,304 from international patrons

LIBRARY GRANTS COMPLETED:

The IFSI Library received one grant in FY24: Libraries as Partners for Emergency Preparedness and Response in Times of Crisis through the Institute of Museum and Library Services (IMLS) National Leadership Grants for Libraries program. The project is ongoing through July 2025 and is a preliminary investigation into library partnerships with emergency response groups during community wide crises.

In FY24, 605 Illinois libraries completed the first survey.

FY25 activities will focus on the project's 2 two-day national Community Engagement Roundtables in January and February.

The IFSI Library maintains the Illinois Firefighter Medal of Honor and Medal of Valor Database and the Illinois Firefighter Line of Duty Death Database (IFLODD).

- The Illinois Firefighter Medal of Honor and Medal of Valor Database includes **302** total recipients, **171** total incident summaries, **283** IFSI student recipients and **45** IFSI instructor recipients.
- Since May 2007, IFLODD has received 191,669 database hits and holds 919 firefighter records covering over 160 years. The records include 720 total incident summaries, 1,563 total images, and 14 total oral history interviews.

The Illinois Fire Service Archives and Institutional Repository includes materials about Illinois fire departments, relevant COVID-19 information and documents, IFSI operational documents from various years, promotional materials, and images.

• In FY2024, the Library had 4,491 reference interactions related to the IFSI Archives.

CURRICULUM, TESTING, AND CERTIFICATION

The Illinois Fire Service Institute continues to offer the highest quality in training and education. IFSI maintains accreditation with the National Board on Fire Service Professional Qualifications (Pro Board) and International Fire Service Accreditation Congress (IFSAC). IFSI continues to expand national certification opportunities for our students.





Curriculum

- Supported the update of 15 existing courses and the development of 12 new courses, including:
 - First Due for Fire Alarms
 - Respectful Entry
 - Responder Intervention Team (RIT) Chief
 - Small Unmanned Aircraft Systems (sUAS) Operations
- IFSI delivered 110 courses that awarded EMS Continuing Education Units (CEUs)

Testing

- 6 Test Bank validations
- Off-site CBT testing for various regional exam locations and numerous program deliveries are now available in addition to all campus exams
- · Maintained, created, and verified reliability/validity of 36 exams which hold national and Illinois state certification
- 6,338 graded exams and a 93% student pass rate on first attempt

Certification

- 41 Pro Board and 20 IFSAC approved levels
- Issued 3,677 Pro Board certifications and 1,290 IFSAC certifications



The Cornerstone Program supports fundamental and essential skills training for fire departments and mutual aid organizations throughout the state. Training is coordinated through eight IFSI Regional Representatives. Courses are funded through the Office of the Illinois State Fire Marshal and available at no cost to students or fire departments.

DELIVERY BY REGION

| Region | Classes | Students | Student Hours |
|---------------|---------|----------|---------------|
| Northeast | 59 | 1152 | 8724 |
| Cook County | 22 | 423 | 3508 |
| North Central | 32 | 712 | 8461 |
| Northwest | 30 | 686 | 4822 |
| Central | 77 | 1265 | 6503 |
| East Central | 89 | 1911 | 9830 |
| Southwest | 169 | 2704 | 13002 |
| Southern | 48 | 750 | 5860 |
| Other* | 9 | 531 | 3763 |
| TOTAL | 535 | 10,134 | 64,473 |

^{*}These deliveries supported multiple regions.



CLASSES DELIVERED 535

STUDENT HOURS

64,473

STUDENTS REACHED

10,134

LEADERSHIP DEVELOPMENT AND COMMAND PROGRAM (LDCP)

Promoting up through the ranks of a fire department is a common goal. IFSI Leadership Development and Command Program courses ensure that students get the training and preparation necessary to continue on a rewarding and safe career path. LDCP includes training in the following areas:

ACTIVE SHOOTER INCIDENT MANAGEMENT (ASIM) INSTRUCTOR TRAINING AND DEVELOPMENT LEADERSHIP DEVELOPMENT AND DECISION MAKING (LDDM) NATIONAL INCIDENT MANAGEMENT SYSTEM (NIMS) / INCIDENT COMMAND SYSTEM (ICS) OFFICER DEVELOPMENT RESILIENCY DEVELOPMENT SCHOOL SAFETY AND VIOLENT EVENT INCIDENT MANAGEMENT (SSAVEIM)

| FY 2024 LDCP Course Highlights: | # Students | # Hours |
|--|------------|---------|
| Active Shooter Incident Management (ASIM) - Basic and Advanced | 1,117 | 12,392 |
| Instructor – All Courses | 705 | 28,072 |
| Leadership Development and Decision Making (LDDM) - All Levels | 327 | 5,196 |
| National Incident Management System (NIMS) / Incident Command System (ICS) | 912 | 18,376 |
| Officer | 1,115 | 71,567 |
| Resiliency | 697 | 1,141 |
| School Safety and Violent Event Incident Management (SSAVEIM) | 1,211 | 9,616 |



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FIREFIGHTING PROGRAM

The IFSI Firefighting Program offers hands-on training opportunities for first responders. Courses provide students with a realistic and challenging learning experience.



| | # Students | # Hours |
|--|------------|---------|
| Advanced Technician Firefighter / NFPA FF II | 72 | 2,880 |
| Basic Firefighter / NFPA FF I Academy | 104 | 38,480 |
| Basic Operations Firefighter / NFPA FF I Blended | 269 | 48,420 |
| Basic Firefighter / NFPA FF I Online (Mods A, B, C) | 228 | 13,370 |
| Courage to be Safe | 156 | 808 |
| Emergency Vehicle Operations | 287 | 876 |
| Engine Company Operations | 334 | 2,817 |
| Fire Apparatus Engineer | 109 | 4,360 |
| Fire Service Vehicle Operator | 986 | 6,280 |
| Fireground Command Officer School | 32 | 1,280 |
| Fireground Company Officer School | 144 | 5,724 |
| Forcible Entry | 412 | 1,552 |
| Light and Fight (on and off campus) | 347 | 2,760 |
| Liquefied Petroleum Gas (Proprane) Firefighting | 956 | 2,910 |
| Search Techniques for the Fireground | 32 | 768 |
| Smoke Divers (Advanced Breathing Apparatus Specialist) | 85 | 2,024 |
| State of Illinois Traffic Incident Management | 240 | 960 |
| Truck Company Operations | 87 | 1,584 |
| Wildland Firefighting (all courses) | 292 | 3,426 |
| | | |

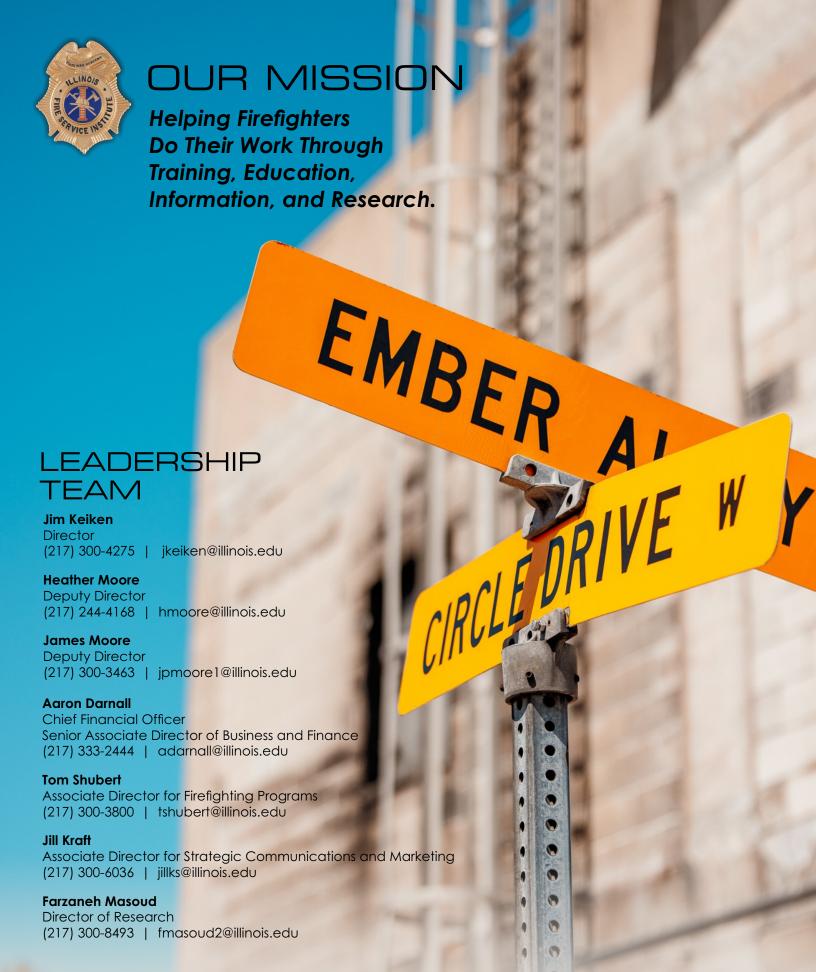
The highlighted courses above are a small representation of the full cache of firefighting courses offered.

SPECIAL OPERATIONS TRAINING PROGRAM

The Illinois Fire Service Institute delivers technical rescue awareness and hazardous materials training to first responders. Courses offer immersive training experiences that challenge even the most experienced students. IFSI SOTP is at the national forefront of technical rescue and hazardous material training programs.



| | # Students | # Hours |
|---------------------------------------|------------|---------|
| Agriculture | 876 | 4,161 |
| Confined Space | 211 | 8,390 |
| Hazardous Materials | 30,801 | 105,112 |
| Responder Intervention Team (RIT) | 494 | 12,016 |
| Rope Rescue | 380 | 17,008 |
| Small Unmanned Aircraft Systems (UAS) | 13 | 440 |
| Structural Collapse | 157 | 7,060 |
| Technical Rescue | 467 | 2,639 |
| Trench Rescue | 255 | 8,936 |
| Vehicular Rescue | 2,096 | 21,844 |
| Wilderness Search and Rescue | 54 | 432 |



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