

## Master of Science in **BIOSECURITY and DISASTER PREPAREDNESS**

### **BUILD ON YOUR CAREER WITH BIOSECURITY AND DISASTER PREPAREDNESS**

The Master of Science (MS) in Biosecurity and Disaster Preparedness provides specific competency-based training in areas such as terrorism response capabilities, fundamentals of infectious diseases, emergency response planning and crisis communication. This program offers options to pursue in-depth training in infection control, and medical and public health intelligence as well as a general track curriculum to meet the varying needs of health care and security professionals.

Whether you are a public health professional, physician, nurse, emergency management professional, first responder, corporate security manager, government- or business-based analyst or just entering industry, the MS program will prepare you for the investigation of and response to natural and man-made threats. The skilled instructors in the MS program utilize state-of-the-art online, distance-learning technologies to provide a comprehensive education designed to accommodate those whose busy schedules require flexible class hours and asynchronous interaction with other students and the faculty.

### **ONLINE, DISTANCE LEARNING**

Designed for the self-motivated, mature and action-oriented learner, the MS program offers online, distance-based learning technologies provided by instructors experienced in both the classroom environment and their professional fields. This program is **taught entirely online**, providing students with access to online lectures, discussion boards and coursework from any location, so working professionals can complete the MS while minimizing time away from work, friends and family. There is no requirement for students to physically attend classes on the Saint Louis University campus in order to complete the program.

### **DEGREE TRACKS**

Students choose from one of three tracks:

- + **General Track (42 credit hours):** Designed for students pursuing careers in all-hazards emergency management, disaster preparedness or disaster response. Graduates might find employment in local, state or federal emergency management agencies, public health or health care organizations or in private industry.



- + **Infection Control Track (45 credit hours):** Provides students with the skills needed for planning, identification, response and recovery involved with large scale outbreaks of infectious and/or communicable diseases. Students will also study how these issues relate to health care and public health. Graduates can anticipate working closely with various response agencies to identify and contain such outbreaks within healthcare settings or in a community.
- + **Medical & Public Health Intelligence Track (45 credit hours):** Trains students to identify and assess public health threats presented by humans, animals, terrorism and the environment. Graduates can anticipate working at the local, state or federal level with multidisciplinary teams designed to identify and control homeland security threats such as cyber-terrorism, natural disasters, pandemics and suicide bombers.

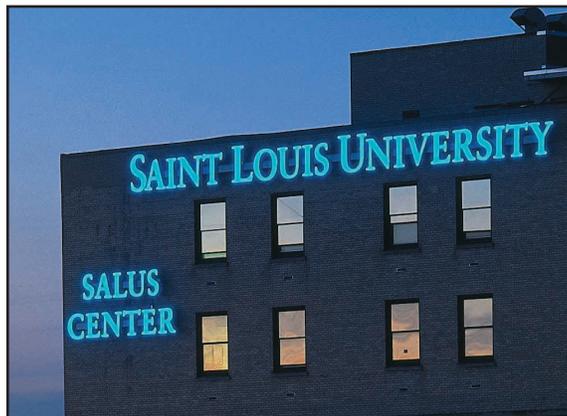
### **GROW IN AN EXPANDING INDUSTRY**

In 2010, the U.S. Bureau of Labor Statistics reported that emergency management job growth in both the public and private sectors is projected to rise faster than average employment growth, with a 20% or higher increase in total jobs between 2008 and 2018. Many jobs of this type are in the public sector; the military, law enforcement, and state and local governments are major employers. There are also a variety of private-sector or nonprofit employers that require emergency management specialists for situations where emergencies are prone to happen or could be potentially devastating. Examples of these employers include hospitals, colleges and universities and community relief organizations.

### **AVAILABLE FACULTY**

SLU's internationally recognized faculty are available to students by virtual office hours, by phone and by email. Our faculty are engaged in ongoing research in the field, including:

- + Countering Biological Weapons Terrorism and Health Care Infection Prevention



## WHY CHOOSE SLU

- + SLU is a nationally and globally recognized leader in biosecurity and disaster preparedness education.
- + SLU is home to one of the few biosecurity and disaster preparedness training programs in the U.S.
- + Students in the MS program are able to graduate without needing to travel to SLU's campus, making it a perfect fit for busy professionals around the globe.

## SLU'S INSTITUTE FOR BIOSECURITY

Founded in 2001, the Institute for Biosecurity has pioneered the use of distance-learning technologies to train professionals in the fields of biosecurity and disaster preparedness. The Institute provides both course instruction and ongoing academic research in the fields of disaster preparedness and response, community resilience, worldwide terror threats and surveillance, and the ecological and social effects of bioterrorism.

The Institute has successfully established key partnerships in the health care and public health professions on a national, state and local level. The Institute is also supported by a team of information technology and web specialists who provide faculty and student technical support for all aspects of the online, distance-learning course delivery system.

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## ADMISSION REQUIREMENTS

Admission to this program requires a bachelor's degree or an equivalent including at least 12 college-level credit hours total in the biological, chemical or physical sciences; and three or more credit-hours in mathematics such as college algebra, statistics or first-semester calculus. Applicants will be considered on an individual basis in the absence of these prerequisites.

Professional experience in a health-related field, law enforcement or emergency preparedness is recommended but not required. Strong writing and critical thinking skills are essential for success, especially given the distance-learning format of the program. The MS program accepts applications for the fall, spring and summer semesters.

Application requirements:

- + An earned bachelor's degree from an accredited college or university (a transcript from this institution is required).
- + A résumé or curriculum vitae and a one to two page, double-spaced essay describing interests in the field, career goals and objectives.
- + Three confidential letters of recommendation from individuals qualified to evaluate an applicant's potential success in the program.

The GRE or other test scores are **not required** for the MS.

## FOR MORE INFORMATION

**Please contact:**

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