BIOSECURITY AND DISASTER PREPAREDNESS, POST-BACCALAUREATE CERTIFICATE

Training in biosecurity and disaster preparedness trains you to help prevent biological terrorism and build effective rapid response capabilities for organizations throughout the public and private sectors.

Curriculum Overview
The certificate is a completely online program.

Careers
Driven by globalization, emerging infectious diseases, the threat of terrorism, and more, the field of biosecurity is rapidly expanding. You will be able to work in the military, law enforcement, public health, and state and local governments.

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 and health systems, large companies, colleges and universities and various community relief organizations such as the Red Cross.

Admission
Admission Requirements
A bachelor’s degree in any discipline. Experience in health-related fields is preferred but is not required. Certificate may be completed concurrently with any M.P.H. degree other than the M.P.H.BSDP or a joint concentration degree that includes BSDP. Certificate coursework can be applied towards an M.S. in BSDP if students matriculate into the M.S. program within 2 years of completing the Certificate and assuming that the Certificate courses were not part of a prior degree (such as an M.P.H.). Students apply through SOPHAS Express.

Scholarships and Financial Aid
For more information, visit the student financial services office online at http://finaid.slu.edu.

Gainful Employment Disclosure
The U.S. Department of Education requires (per 34 CRF Part 668) that all institutions participating in the federal Title IV student financial assistance programs (Pell Grants, federal student loans, etc.) publicly disclose certain data regarding all academic programs designated as "Gainful Employment" programs per DOE definitions.

Gainful Employment Disclosure (https://www.slu.edu/services/fin_aid/GE/FY18/43.0302-Gedt.html)

Learning Outcomes
1. Graduates will be able to use an evidence-based approach to develop and analyze human, animal, and environmental hazard control strategies, programs, and policies, taking into account legal and ethical considerations. Specifically:
   a. Identify and cite relevant sources.
   b. Apply information from relevant sources appropriately.
   c. Apply/use biosecurity nomenclature and terminology (such as “isolation” and “quarantine”) related to infectious diseases accurately.

2. Graduates will be able to analyze and apply the scientific characteristics, such as transmission routes and control measures, of major biological hazards to develop interventions that minimize human and animal disease. Specifically:
   a. Develop appropriate interventions that minimize human and animal disease.
   b. Integrate appropriate scientific characteristics of an infectious disease into a scenario or case study.

3. Graduates will be able to create and disseminate tailored messages regarding biosecurity hazards and risks to responders, the public, the media, and policy makers. Specifically:
   a. Communicate the biosecurity hazards and risks related to a scenario or case study.
   b. Develop a health communication message that is appropriate for the intended audience.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSDP 5100</td>
<td>Public Health and Disasters</td>
<td>3</td>
</tr>
<tr>
<td>BSDP 5101</td>
<td>Fundamentals of Disaster Planning</td>
<td>3</td>
</tr>
<tr>
<td>BSDP 5103</td>
<td>Communicable Diseases and Infection Control</td>
<td>3</td>
</tr>
<tr>
<td>BSDP 5203</td>
<td>Disaster Planning for Infectious Disease Disasters</td>
<td>3</td>
</tr>
<tr>
<td>BSDP 5206</td>
<td>Disaster Management and Risk Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 15

Continuation Standards
Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.