

**INDIANA UNIVERSITY**  
**REQUEST FOR NEW CERTIFICATE PROGRAM**

**School:** School of Public and Environmental Affairs

**Campus:** IUPUI

**Proposed Title of Certificate:** Certificate in Homeland Security and Emergency Management

**Proposed Date of Implementation:** January, 2010

**Faculty Member Developing/Submitting Proposal:** Terry Baumer  
Campus Address: BS4071 PH: 274-8624 e-mail:  
[tebaumer@iupui.edu](mailto:tebaumer@iupui.edu)

**I. Why is the certificate needed? (Rationale):**

Indiana University currently has no comprehensive graduate level certificate of this kind. This new certificate will fill this gap by introducing students to advanced interdisciplinary studies in homeland security and emergency management. It will add depth and diversity to SPEA's existing graduate programs while attracting new students, providing them with huge placement advantages when they later graduate. How these disciplines work together at the federal, regional, state, and local levels along with the private and nonprofit organizations developing strategies, plans and programs will be a key focus of this program's inquiry. The new certificate will promote an understanding of how government and nongovernment programs operate to prevent and mitigate disasters. Importantly it will reveal their organizational integration designed to save lives, preserve property and protect the environment. This certificate will dramatically improve each recipient's placement opportunities. Government at all levels, various contractors, selected private firms, and numerous non-government organizations should welcome students who complete this certificate.

The SPEA certificate requires completion of fifteen credit hours, and can be taken independently or in conjunction with any SPEA master's degree.

**II. List the major topics or curriculum of the certificate.**

See Section X.

**III. List the major student outcomes (or set of performance based standards) for the proposed certificate.**

Student outcomes include general management, risk management and analysis, disaster planning, and crisis mitigation and management skills. In several ways these parallel many of the outcomes assessed in our public management and nonprofit management certificates. In these courses, students will complete advanced Department of Homeland Security (DHS)–Federal Emergency Management Agency (FEMA) certificates from the Incident Command System (ICS), National Incident Management System (NIMS), the National Response Framework (NRF), and Homeland Security

Exercise and Evaluation Program (HSEEP). This will enhance their skill set and placement opportunities.

**IV. Explain how student outcomes will be assessed (course-embedded assessments, graduate follow-up, employer survey, standardized tests, etc.).**

Individual course assessment of learning outcome specified for each course will be assessed using reviews of student evaluations, graduate follow-up, current graduate surveys, and alumni surveys. The regular student course evaluations remain primary vehicles for assessment of the quality of instruction as these open-ended responses from students frequently include important observations on a course's appropriateness and relevance. Comments regarding the importance of the material in the course to the student's professional work will be used to assess the degree to which each class's curriculum meets student needs and program objectives. Current student and alumni surveys will include questions related to the effectiveness of the curriculum in preparing students for professional roles as leaders of homeland security, emergency management and health administration. Surveys will assess how well the certificate program prepares students for their current positions, or for positions they aspire to move into in the future. Surveys of client organizations such as the Department of Homeland Security, Indiana Department of Homeland Security, Marion County Emergency Management Agency and Federal Emergency Management Agency will provide data on this program's worth. Lastly, alumni surveys will assess how well the Certificate in Homeland Security and Emergency Management has prepared them for their current positions; what courses were most helpful; and suggestions for improvement.

**V. Describe the student population to be served.**

Professionally, a large student population is available from mayors, state government, and federal officials to local, city and state emergency managers plus private business and non-government agency managers. With its five-hospital complex, Indiana University Medical Center professionals should find these offerings attractive. Further, it should be expected some of this overall clientele will matriculate into the SPEA degree programs after completion of this certificate.

**VI. How does this certificate complement the campus or school mission?**

SPEA distinguishes itself with a number of programs which this certificate parallels and enhances and this certificate should attract IUPUI graduate students to SPEA as well. This certificate will attract a new population of students allowing SPEA to reach a new population of leaders and managers working in public, nonprofit, and private sectors. Moreover it furthers SPEA's mission of training current and future leaders of the nation in the critical areas of homeland security and emergency management.

**VII. Describe any relationship to existing programs within Indiana University.**

At the graduate level, no Indiana University program currently exists. Indiana University Bloomington recently established the Center for American and Global Security (CAGS), but offers no certificate programs. Although this program works with them in a number of areas, CAGS' curriculum focus differs. For undergraduates, Indiana University at Kokomo offers a fifteen hour certificate in Homeland Security and

Emergency Management hosted by SPEA and offered through Continuing Studies. Without SPEA's hosting, Indiana University-Purdue University Fort Wayne also offers an undergraduate certificate emphasizing risk and emergency management. These programs could serve as feeder populations for this proposed certificate. This certificate will dovetail nicely for students who complete an undergraduate major in Public Safety and Emergency Management through the SPEA BSCJ degree program and want additional credentials in the area.

**VIII. List and indicate the resources required to implement the proposed program. Indicate sources, e.g., reallocations, or any new resources such as personnel, library holdings, equipment, etc.)**

Implementation of this certificate will require delivery of five graduate level courses. Five of the six courses listed in the requirements below are, or will be, delivered regularly as part of a SPEA degree program and it is anticipated that the sixth course (H5XX) will be integrated into the regular course rotation. In this sense the new certificate will enhance enrollments in these courses. In the most extreme scenario, we would need to offer these courses in addition to current offerings. We currently have existing faculty expertise to deliver each of the courses in the certificate. Under this scenario, however, five sections would need to be added to our existing course schedules. These new sections could be covered by full-time faculty with sections of other classes taught by adjunct faculty. It is anticipated that at current graduate tuition rates and current adjunct faculty compensation rates the added course enrollments for the certificate will generate a positive revenue stream. Scheduling, advising, and other student services will be absorbed into existing school services. No additional library holdings or equipment are anticipated.

**IX. Describe any innovative features of the program (e.g., involvement with local or regional agencies, offices, etc., cooperative efforts with other institutions, etc.).**

This new program hopes to partner with Indiana University's Center for American and Global Security, and also play a leading role in the Emergency Management and Homeland Security Higher Education Consortium of Indiana, hosted by the Indiana Department of Homeland Security. Additionally, cooperative arrangements will be established with several post-graduate consortiums in Homeland Security higher education and with education and training of the Department of Homeland Security. It is expected in establishing this program SPEA will also build and bridge several new relationships with non-governmental organizations locally and with defense training centers locally and regionally. Partnering with the Muscatatuck Center for Complex Operations in cooperation with the Indiana National Guard and expanding existing programs with the Crane Naval Surface Warfare Center are expected outcomes.

On the Indianapolis campus of the State's two Big Ten universities, IUPUI in creating this program takes the first step in building a homeland security and emergency management agenda in American twelfth largest city, becoming a leader not only locally and regionally but nationally as well.

**X. The Graduate Certificate in Homeland Security and Emergency Management—**  
15 credit hours—selected from the courses below.

**ADMISSION ELIGIBILITY**

The student must have an undergraduate degree from an accredited college or university to apply. Applicants must have at least a 2.5 cumulative GPA for their undergraduate degree.

**APPLICATION**

An online application and information will be available online at [www.spea.iupui.edu/graduate](http://www.spea.iupui.edu/graduate) ; materials also will be available from the SPEA Graduate Program Office (BS3027). Students should apply to the SPEA admissions office on the IUPUI campus. Students will be required to pay a nonrefundable application fee.

**PROGRAM RESTRICTIONS**

1. Students enrolled in a certificate program must complete it within 15 credit hours of approved SPEA course work with a minimum cumulative GPA of 3.0 (B). Failure to do so results in automatic dismissal from the certificate program.
2. Students who have completed more than three SPEA courses are not eligible for admission to a certificate program.
3. Transfer credit, course substitutions, or course waivers are not allowed.
4. Students admitted to a SPEA graduate degree program are not eligible for admission to the certificate program or eligible for the awarding of a certificate.
5. Admission to or successful completion of a certificate program does not guarantee subsequent admission to a SPEA graduate degree program.
6. Students enrolled in the certificate program who apply to SPEA's graduate degree programs must meet all existing admission requirements.

**PROGRAM REQUIREMENTS**

The Certificate will consist of fifteen (15) credit hours. Students will be required to take a common core of nine (9) credit hours and then may select six additional hours, as described below.

**COURSES**

**Required Core Courses**

**(NEW) J-5XX Homeland Security**

This course is an inquiry into how the federal government manages homeland security. It examines the architecture, structure and organization, of the Department of Homeland Security and how it is managed. Special emphasis is given to regional integration of the Federal Emergency Management Agency into this large 210,000 person, 22 Agency structure and how it performs. As public policy, federal executive orders relating to homeland security are studied, laws such as the Patriot Act, and all emergency support functions are examined. All National Planning Scenarios and the National Response Framework are studied. Terrorism and United States global security

is emphasized in conjunction with how the Department of Homeland Security integrates its programs with the Department of Defense, Department of Health and Human Services and Department of State.

#### **J-524 Crisis Management for Public Safety**

This course is designed to improve critical thinking skills and the development of concepts and techniques to manage crises. The course will examine the National Response Plan, National Incident Management System, organizing for response, managing the response organization, managing in a turbulent environment, crisis decision making and communications which can be used in dealing with emergencies and disasters. An examination of current approaches to crisis identification, issue management, and crisis management through a mix of discussion, lecture, and presentation by applying research, theory, and case examples to situations with a goal of developing crisis, contingency, and incident management plans along with issue identification and strategic response sets to crisis situations.

#### **J-528 Risk Analysis for Public Safety**

An examination of theoretical foundations of risk analysis including the history of risk analysis, risk assessment, perception and communication; models for decision risk decision making, techniques for generating alternative courses of action in risk analysis and definitions of risk and opportunity theory will be examined. Within a context of local, state and federal regulatory guidelines, risk analysis and risk management will be investigated against a background on public safety and homeland security issues.

#### **Elective Courses**

#### **H-501 U.S. Health Care: Systems, Policies, and Ethical Challenges (3 cr.)**

This course is an introduction to health policy and the U.S. health care system. Over the past century, the health care system has grown exponentially both in size and complexity, fueled by dramatic advances in medical science, ever increasing societal demands to rid society of "illness," and government and private sector policies intended to improve access, reduce costs, and improve quality. This course will provide an overview of the structure and organization of the U.S. health care system, as well as the system's response to crises. As we examine the system, we will examine the history of health policy making and the major health policies that have given rise and continue to shape the U.S. health care system. Any examination of our health care system inevitably raises important ethical considerations, and we will explore many such questions over the course of the semester. This course is designed to help students, particularly those interested in careers in risk management, develop a better understanding of critical health policies and the health policy making process as well as the overall structure and key components of our health care system. The course will emphasize developing a critical

understanding of the structures and processes that influence health, health care, and health care policy as they relate to the implementation of a crisis management system in the United States.

**(NEW) H-5xx Health Administration and the Role of Public Health in Epidemics**

Epidemics in the United States and world-wide are investigated, plus what they are, their origins and how to mitigate them. How health administration and public health response to them is appraised. Epidemics by type, intensity and location are examined. Pandemics and endemics are studied in detail, against both the historical framework and the current doctrine. Bioterrorism is addressed and important issues as emergency surge, public health preparation and response are addressed. Principles of responding to epidemics are scrutinized and discussed plus future concepts addressed.

**V540 Law and Public Policy**

This course provides an overview of the American constitutional and legal system and examines how the constituent documents frame policy choices in the American political system. It also explores issues such as the proper role of the state and the health of civil society, the implications of the accelerating pace of social change and globalization on issues of governance and considerations of legal jurisdiction, the blurring of boundaries between government, for-profit and nonprofit organizations and the effect of that blurring upon constitutional accountability. It also discusses the legal and constitutional constraints on policy formation, citizen rights and individual liberty, and the ethical issues faced by public officials in executing the laws.

**Or other courses approved in advance by the advisors**