

Council Approval

Note: This form is intended to track the progress of a proposal (whether from Academic Affairs or Health Sciences) through the Undergraduate and Graduate Councils.

Proposal: Graduate Certificate in Emergency Health

This proposal needs to go through:

Undergraduate Council

Graduate Council

Both Approvals

Grad Approval/Undergrad Notification

☐

X

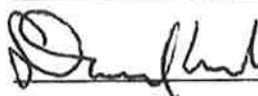
☐☐

This proposal has been approved by:

Chair of Undergraduate Council

Date: _____

Chair of Graduate Council



Date: 3/1/18

Once the appropriate signature(s) have been obtained, please forward this completed form to the Office of the Senior Vice President for Academic Affairs. *(NOTE: The SVP-AA is the Chief Academic Officer for the University of Utah and reports to the Board of Regents in this capacity. When necessary, the CAO will get a signature from the SVP-HSC.)*

Chief Academic Officer



Date: 4.3.18

Once the Chief Academic Officer's signature has been obtained, this approval document will be forwarded to the **Office of the Academic Senate**.

Utah System of Higher Education
New Academic Program Proposal
Cover/Signature Page - Abbreviated Template

Institution Submitting Request: University of Utah
Proposed Program Title: Graduate Certificate in Emergency Health
Sponsoring School, College, or Division: School of Medicine
Sponsoring Academic Department(s) or Unit(s): Division of Public Health
Classification of Instructional Program Code¹ : 43.0302
Min/Max Credit Hours Required of Full Program: 18 / 18
Proposed Beginning Term²: Summer 2018
Institutional Board of Trustees' Approval Date:

Program Type:

<input type="checkbox"/>	Certificate of Proficiency	<input type="checkbox"/>	Entry-level CTE CP	<input type="checkbox"/>	Mid-level CP
<input type="checkbox"/>	Certificate of Completion				
<input type="checkbox"/>	Minor				
<input checked="" type="checkbox"/>	Graduate Certificate				
<input type="checkbox"/>	K-12 Endorsement Program				
<input type="checkbox"/>	NEW Emphasis for Regent-Approved Program				
	<i>Credit Hours for NEW Emphasis Only:</i>	Min Cr Hr	/	Max Cr Hr	
	<i>Current Major CIP:</i>	6 - Digit CIP			
	<i>Current Program Title:</i>				
	<i>Current Program BOR Approval Date:</i>				
<input type="checkbox"/>	Out of Service Area Delivery Program				

Chief Academic Officer (or Designee) Signature:

I, the Chief Academic Officer or Designee, certify that all required institutional approvals have been obtained prior to submitting this request to the Office of the Commissioner.

Please type your first and last name _____ Date: _____

☐ I understand that checking this box constitutes my legal signature.

¹ For CIP code classifications, please see <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55>.

² "Proposed Beginning Term" refers to first term after Regent approval that students may declare this program.

**Utah System of Higher Education
Program Description - Abbreviated Template**

Section I: The Request

University of Utah requests approval to offer the following Graduate Certificate: Graduate Certificate in Emergency Health effective Summer 2018. This program was approved by the institutional Board of Trustees on .

Section II: Program Proposal/Needs Assessment

Program Description/Rationale

Present a brief program description. Describe the institutional procedures used to arrive at a decision to offer the program. Briefly indicate why such a program should be initiated. State how the institution and the USHE benefit by offering the proposed program. Provide evidence of student interest and demand that supports potential program enrollment.

Disasters occur on a regular basis and are a growing threat to the health of populations in Utah, the United States and around the world. The recognition of the need for public health professionals to have a background in emergencies and disasters emerged in the late 1990's and surged significantly following the terrorism events of 2001. The recent outbreak of natural disasters underlines the importance of specialty trained individuals within public health and health care to ensure the continuity of public health and health care operations as well as protect the health of the population during such emergencies. The proposed Graduate Certificate in Emergency Public Health represents growth for the Division of Public Health into this relatively new area of specialization within the broader public health field. One of the first Schools of Public Health to offer a specialization in Emergency Public Health was the UCLA School of Public Health (a PAC12 school). In 2014, Dr. Kimberley Shoaf joined the University of Utah faculty in Public Health from the Center for Public Health and Disasters at the UCLA Fielding School of Public Health, where she developed the specialization in Emergency Public Health. Currently within the PAC12 two Public Health programs offer a specialization or certificate in Emergency Public Health (or Public Health Preparedness), UCLA and the University of Colorado. Additionally the University of Arizona School of Public Health and the UC Berkeley School of Public Health offer one or more classes in Emergency Public Health. The implementation of this Certificate in Emergency Public Health in the CEPH accredited MPH program in Utah would position the program as a leader in this field within the PAC12 schools.

The proposed Certificate Program would entail graduate level courses within the Division of Public Health in addition to courses from other relevant programs from across the University. The selection of courses in the Certificate was based on three sets of professional competencies (ASPPH Public Health Preparedness & Response Core Competencies, Columbia University Bioterrorism and Emergency Readiness for all Public Health Workers, and George Washington University Institute for Crisis Disaster and Risk Management - Emergency Management Program Competencies). Completion of the certificate would qualify candidates for positions within public health as public health emergency preparedness coordinators and health care as healthcare emergency managers. Every State and Local Health Department in the country has one or more positions in emergency public health (public health emergency preparedness coordinator). Often these positions have been staffed by individuals without the specialty training in emergency public health and continuing professional education has been the primary mode of obtaining competency in the field. As public health agencies are increasingly seeking accreditation and designation as "Public Health Ready", the need for hiring specialty trained emergency public health professionals is growing.

The Certificate Program was developed in collaboration with faculty from Geography (Undergraduate Hazards and Emergency Management Certificate), Health Promotion and Education (Center for Emergency Programs), Healthcare Administration, and Emergency Medicine. In addition to the faculty, professionals in emergency nursing, healthcare emergency management, and state and local public health preparedness were members of the development team. All of the involved faculty and professionals expressed the need for such a Certificate program. They expressed that the Certificate would be helpful for current students in both the MPH and MHA program, nursing and other health related fields, as well as for the existing public health workforce.

Labor Market Demand

Provide local, state, and/or national labor market data that speak to the need for this program. Occupational demand, wage, and number of annual openings information may be found at sources such as Utah DWS Occupation Information Data Viewer (jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do) and the Occupation Outlook Handbook (www.bls.gov/oco).

The primary demand for graduates from this Certificate program would be the State and local public health departments with a secondary target audience of health care organizations. "Public health emergency preparedness (PHEP) is the capability of the public health and health care systems, communities, and individuals, to prevent, protect against, quickly respond to, and recover from health emergencies, particularly those whose scale, timing, or unpredictability threatens to overwhelm routine capabilities. Preparedness involves a coordinated and continuous process of planning and implementation that relies on measuring performance and taking corrective action". (Nelson C, Lurie N, Wasserman J, & Zakowski S 2007) Two of the 16 key elements necessary to achieve public health emergency preparedness are related to the workforce: Develop and maintain a public health and health care workforce that has the skills and capabilities to perform optimally in a public health emergency. and Train, recruit, and develop public health leaders to mobilize resources, engage the community, develop interagency relationships, and communicate with the public.

The Utah Department of Health and 13 local public health departments in the State all have needs for one or more individuals with both a public health background and an emergency management background to function within the public health emergency preparedness unit of the department. The Utah DWS Occupation Information Data Viewer cites Emergency/Crisis Management as a moderate growth field with approximately 10 openings a year.

The Centers for Medicare & Medicaid Services (CMS) implemented the finalized rule about emergency preparedness in facilities caring for patients in fall 2016. This new rule set consistent emergency preparedness requirements for health care providers participating in Medicare and Medicaid. This includes hospitals, long-term care facilities, Federally Qualified Health Centers, dialysis centers and 13 other provider types. Phone calls to a number of long-term care facilities, led us to believe that many of our Skilled Nursing Facilities are struggling to be able to be in compliance with this new rule. The facilities are relying on their maintenance workers to develop plans for the facility and to know where all the necessary equipment would be if a disaster was to occur. Unfortunately, these individuals have not been trained in any sort of emergency preparedness and no longer are able to help the facilities reach compliance without getting the necessary training. This training is not readily available for anyone in the state to take. This has caused a rapid increase in the need for emergency preparedness professionals that hold certifications and know the standards and how to help a facility and providers to be compliant with these new rules and to truly be prepared for when a disaster occurs.

Masters of Public Health students at the University of Utah, Division of Public Health have been asking for this type of certificate program in Emergency Public Health. The two existing courses in Disasters in the Division of Public Health have average enrollment of 10 - 15 students per semester (standard for elective classes in public health). In addition to MPH students, this certificate program may draw students from Health Promotion and Education, Geography, Health Care Administration, and Nursing.

Consistency with Institutional Mission/Impact on Other USHE Institutions

Explain how the program is consistent with the institution's Regents-approved mission, roles, and goals. Institutional mission and roles may be found at highereducation.utah.gov/policies/policy312/. Indicate if the program will be delivered outside of designated service area; provide justification. Service areas are defined in highereducation.utah.gov/policies/policy315/.

The mission of the University of Utah states that the "University of Utah fosters student success by preparing students from diverse backgrounds for lives of impact as leaders and citizens. We generate and share new knowledge, discoveries, and innovations, and we engage local and global communities to promote education, health, and quality of life. These contributions, in addition to responsible stewardship of our intellectual, physical, and financial resources, ensure the long-term success and viability of the institution". The mission of the Division of Public Health is to advance the

scholarship of promoting and protecting the health of communities in Utah and around the globe. As the University of Utah Division of Public Health continues to grow, public health emergency preparedness is an area where we are uniquely qualified to advance scholarship that aims to protect the health of the population of Utah. This certificate adds sharing of knowledge with students to the existing research that generates new knowledge in the area of public health and disasters. This program is directly tied to protecting the health of the population of Utah.

In the PAC-12, the University of Utah would be the only CEPH accredited public health program to offer a certificate in Public Health Emergencies. University of California, Los Angeles, which is School of Public Health offers a program option in this area, and University of Colorado, which is also a School of Public Health, offers these. Being the program and university that is in between both of these schools it would be a draw for the program to have this option.

Within the Utah State Higher Education Institutions there are no similar graduate level programs in disasters and health. Utah Valley University offers a Bachelors of Science degree in Emergency Services Administration. This is an undergraduate program that does not include the health focus of our proposed program. At the University of Utah, the Geography Department offers an Undergraduate Certificate in Hazards & Emergency Management. This program may be a feeder to the proposed Graduate Certificate. An additional undergraduate program that may serve as a feeder to this proposed Graduate Certificate is the Bachelor of Science degree in Health Promotion and Education with an emphasis in Emergency Medical Services. No other programs have been identified within USHE Institutions.

Within the state of Utah, none of our neighboring programs, Brigham Young University and Westminster College, offer programs in this area. This demonstrates that there is a need for this certificate within a state that is slated to have a large scale public health disaster within the next 50 years. If we do not prepare and train individuals now, there is an increased risk of catastrophe across the state.

Providing the training in this area and drawing students from around the nation to our program will allow for better prepared and educated Public Health professionals and educators in this field. Since those that are working in this field will be better trained, this will increase the nation's preparedness for when a disaster strikes.

Finances

What costs or savings are anticipated in implementing the proposed program? If new funds are required, indicate expected sources of funds. Describe any budgetary impact on other programs or units within the institution.

The addition of a Disaster Certificate will not impose significant new direct financial cost since the departments and divisions involved have existing faculty, staff and courses in place. The HEDU course that is listed as new, is currently taught as an undergraduate course, thus there may be a modest increase for the faculty with additional assignments for the graduate level. The PBHLT course listed as new is Practicum course for non MPH students. Personnel and faculty may face a modest increase in administrative tasks related to new students' admissions, tracking, practicum supervision, and student counseling.

Section III: Curriculum

Program Curriculum

List all courses, including new courses, to be offered in the proposed program by prefix, number, title, and credit hours (or credit equivalences). Indicate new courses with an X in the appropriate columns. The total number of credit hours should reflect the number of credits required to receive the award. **For NEW Emphases, skip to emphases tables below.**

For variable credits, please enter the minimum value in the table below for credit hours. To explain variable credit in detail as well as any additional information, use the narrative box below.

Course Number	NEW Course	Course Title	Credit Hours
General Education Courses (list specific courses if recommended for this program on Degree Map)			
General Education Credit Hour Sub-Total			
Required Courses			
PBHLT 6780		Emergency Public Health: Planning for Disasters	3
PBHLT 6958		Post-Disaster Community Health	3
PBHLT 6340		Infectious Disease Epidemiology	3
PBHLT 6XXX	X	Emergency Health Practicum	3
PBHLT 6960		Public Health Practicum (in lieu of Emergency Health Practicum for MPH)	3
PBHLT 6975		Project/Thesis Research (in lieu of EHP for MSPH students)	3
Add Another Required Course			
Required Course Credit Hour Sub-Total			12
Elective Courses			
MHA 6530		Health Care Administration	3
GEOG 5340		Geography of Disasters	3
GEOG 5215		Climate Change and Impacts	3
H EDU 5800	X	Emergency Medical Responder in Disaster Settings (grad. section of 27)	3
H EDU 6540		Health Communications	3
Add Another Elective Course			
Elective Credit Hour Sub-Total			6
Core Curriculum Credit Hour Sub-Total			18

Propose a NEW Emphasis to an existing Regent approved program

Program Curriculum Narrative

Describe any variable credits. You may also include additional curriculum information, as needed.

The curriculum requires the 12 units of required coursework, plus a minimum of 6 units (2 classes) from the approved electives. Students in the MPH program may use 3 units of PBHLT 6960 in lieu of the Emergency Health Practicum (with approval from the Certificate Committee). Students in the MSPH program may use 3 units of PBHLT 6975 in lieu of the Emergency Health Practicum (with approval from the Certificate Committee).

Graduate Certificate in Emergency Health

Educational Objectives:

This certificate program will provide students with:

- 1) Additional specialization in emergency and disaster preparedness and response skills for Public Health students.
- 2) Increased employment opportunities in emergency public health and health care emergency management.
- 3) Additional preparation and graduate level credits for current public health and health care emergency planners.

Learning Outcomes:

Graduates of the Certificate in Emergency Health will be able to:

- 1) Identify the relevant hazards for a community and assess the potential impact on the community related to human health as well as the public health, medical, and mental/behavioral health systems
- 2) Write an emergency response plan and relevant hazard-based annexes for a health entity (public health agency, hospital, etc)
- 3) Assess the health impacts of a disaster on a population
- 4) Plan and direct public health emergency response operations.
- 5) Utilize crisis/risk communication techniques to communicate with various audiences during an emergency response

Assessment Methods

The learning outcomes will be taught in the core classes and reinforced in the electives. Demonstration of the learning outcomes will be done through the field study portion of the certificate, with both the mentor and the certificate committee evaluating the results of the project. Graded assignments in the core classes include:

- 1) Write a Hazard Risk Analysis for a local jurisdiction.
- 2) Develop an "At Risk Population" assessment for a local jurisdiction.
- 3) Write an Emergency Operations Plan for a local health department (or hospital)

- 4) Develop a Community Assessment for Public Health Emergency Response
- 5) Write a hazard-based annex for a local health department (or hospital)

In addition to these in class assessments, the program will conduct a follow-up survey of graduates of the Certificate program 12 months after completion.

Degree Map

Degree maps pertain to undergraduate programs ONLY. Provide a degree map for proposed program. Degree Maps were approved by the State Board of Regents on July 17, 2014 as a degree completion measure. Degree maps or graduation plans are a suggested semester-by-semester class schedule that includes prefix, number, title, and semester hours. For more details see <http://higheredutah.org/pdf/agendas/201407/TAB%20A%202014-7-18.pdf> (Item #3).

Please cut-and-paste the degree map or manually enter the degree map in the table below



Department of Health, Kinesiology, and Recreation
Health Promotion and Education

October 9, 2017

This letter is in support of the Emergency Health Certificate sponsored by the Division of Public Health of the Department of Family and Preventive Medicine. I have had the opportunity to review and comment on this certificate during its development and believe it is an academically strong program and one that is needed to meet demands in the community. Health Promotion and Education will provide at least one elective class and we are committed to providing that class in support of this program

Sincerely

A handwritten signature in blue ink that reads 'Les Carroll'.

Program Director
Health Promotion and Education

Health Promotion & Education Program
1901 E. South Campus Drive #2142
Salt Lake City, Utah 84112-0920
Office 801-581-8114

<http://www.health.utah.edu/healthpromotion>

October 3, 2017

Dr. Kimberly Shoaf
Department of Family and Preventive Medicine
School of Medicine
University of Utah

Dear Dr. Shoaf,

I am pleased to provide a letter of support for the proposal for an Emergency Health Certificate Program. Unfortunately, we have witnessed too many disasters and crises in recent weeks, only illustrating the importance of emergency preparedness. Our healthcare and public health systems are vitally important in such emergency circumstances.

The proposal for an Emergency health Certificate includes required courses that will provide a strong foundation for public health preparedness. It also includes a selection of elective courses that will allow students to gain additional specialized expertise critical to effective responses to emergency situations. The course, MHA 6530 Healthcare Administration, is one that is offered through the Master of Healthcare Administration. We would welcome students enrolled in the Emergency Health Certificate Program in this course.

Sincerely,



Debra L. Scammon, PhD.
Emma Eccles Jones Professor of Marketing
Director, MHA Program

November 20, 2017

Dean David B. Kieda
Graduate School
University of Utah
201 Presidents Circle, Room 205
Salt Lake City, Utah 84112

Dear Dean Kieda:

On behalf of the Department of Family and Preventive Medicine and the Division of Public Health, we are pleased to express our support for the Graduate Certificate in Emergency Health. We are constantly reminded of the need for effective preparation and response to events that impact the lives of individuals and communities.

As a department, our mission is to improve health and well-being in homes, workplaces and communities in order to optimize quality of life. We approach this mission by integrating diverse backgrounds, perspectives, areas of expertise, and academic fields and disciplines, particularly across our themes of primary care through family medicine and physician assistant studies, occupational safety and health, and public health. We are pleased to be able to use this approach and the academic strength of our department to support the Graduate Certificate in Emergency Health and to host it in our Division of Public Health.

Respectfully,



Kola Okuyemi, MD, MPH
Professor and Department Chair
The George D. Gross, M.D. & Esther M. Gross
M.D. Presidential Endowed Chair in
Family & Preventive Medicine



Stephen C. Alder, PhD
TSH Morton Endowed Professor and Vice
Chair
Chief, Division of Public Health



State of Utah

GARY R. HERBERT
Governor

Spencer J. Cox
Lieutenant Governor

Utah Department of Health

Joseph K. Miner, MD, M.S.H.P.
Executive Director

Division of Family Health and Preparedness

Marc E. Babitz, MD
Division Director

Bureau of Emergency Medical Services and Preparedness

Dean Penovich
Bureau Director

October 3, 2017

Kimberly Shoaf, DrPH
Division of Public Health
Division of Family and Preventive Medicine
University of Utah
375 Chipeta Way, Ste. A
Salt Lake City, UT 84108

Dear Dr. Shoaf:

It is my pleasure to write this letter of support for the Graduate Certificate Program in Emergency Public Health for the University of Utah, Division of Public Health. The Division of Public Health has included the Utah Department of Health in the process of establishing the program which is greatly appreciated.

The Department is very supportive of the Graduate Certificate Program in Emergency Public Health as it will provide validation of the importance of this field of expertise as well as formal recognition of a public health practitioner's knowledge and skills to prepare and respond to natural disasters, terrorism, and emerging infectious disease threats. This program will further enhance our state's readiness to respond to public health emergencies, which will reduce the impact and save lives in the event of a public health event or disaster.

We look forward to the implementation of the Graduate Certificate Program in Emergency Public Health and we fully intend on supporting the program in any way we can.

Sincerely,

Dean Penovich, MPH
Director
Bureau of Emergency Medical Services and Preparedness



March 22, 2018

Dr. Kimberly Shoaf
Department of Family and Preventive Medicine
School of Medicine
University of Utah

Dear Dr. Shoaf,

I am writing in support of your proposal for a Graduate Certificate in Emergency Health. This is a timely educational contribution to the University of Utah given the increasing number of disaster events nationally and worldwide, all of which have a significant public health component.

The proposed Emergency Health Certificate is well-designed and draws from an interdisciplinary realm of coursework in Emergency Medicine, Health Promotion, Healthcare Administration, and Emergency Management. The Department of Geography would welcome certificate students in GEOG 5340 – “Geography of Disasters and Emergency Management,” and we look forward to working with you on this certificate.

Sincerely,

Andrea Brunelle
Professor and Chair
Department of Geography



March 22, 2018

Dr. Kimberly Shoaf
Department of Family and Preventive Medicine
School of Medicine
University of Utah

Dear Dr. Shoaf,

I am writing in support of your proposal for a Graduate Certificate in Emergency Health. This is a timely educational contribution to the University of Utah given the increasing number of disaster events nationally and worldwide, all of which have a significant public health component.

The proposed Emergency Health Certificate is well-designed and draws from an interdisciplinary realm of coursework in Emergency Medicine, Health Promotion, Healthcare Administration, and Emergency Management. The Department of Geography would welcome students in GEOG 5340 – “Geography of Disasters and Emergency Management,” and we look forward to working with you on this certificate.

Sincerely,

Thomas J. Cova
Professor and Director
Center for Natural & Technological Hazards
Department of Geography