

EKU MPH –EHS Program for Graduate Certificate in Occupational/Environmental Health

Students in the Graduate Certificate in Occupational/Environmental Health will interact in classes that include other professionals, teachers, researchers and others interested in occupational & environmental health. An interdisciplinary, applied focus on occupational & environmental health is enhanced by the diverse enrollment in the OEH Graduate Certificate. Students will come from many disciplines, careers, and interest. OEH is designed for both degree seeking and non-degree seeking students. Students will need to meet the GPA of 2.5 or 2.74 of their last 60 semester hours of the baccalaureate program. Degree seeking students must submit a Program Change application for admission and all supporting documents as listed in the *Catalog* under the section APPLICATION TO THE GRADUATE SCHOOL. Up to 12 hours of the courses taken may be applied toward their MPH/EHS degree.

Currently, there are no certificate programs at any of the state universities in Kentucky to address the need for additional education in this area. Eastern Kentucky University with its CEPH accredited Masters of Public Health/ Environmental Health Science program, and the only accredited environmental health science program in the state, has the faculty with the appropriate training, teaching and certification credentials to make the OEH Graduate Certificate Program a one of a kind program. The faculty in the program has over 75 years of work experience in this field. Our program is designed for students currently working with classes scheduled on-line, at night and on the weekend. Attached is a curriculum and schedule of classes.

The 18 hour graduate certificate program will enable hundreds of Kentuckians presently involved in working for local, state and federal agencies and private companies to enhance their knowledge and skills in occupational & environmental health(OEH). Kentucky is an OSHA state, therefore, the employees are state employees operating as Occupational Health & Safety officers. These employees perform the exact job duties as a federal OSHA employee in enforcing the Occupational Safety and Health Act and its regulations . Kentucky has thousands of manufacturing companies of varying sizes. A large percentage of these companies have environmental health and safety personnel to manage their OSHA and EPA mandated regulations. Many of these managers have degrees in chemistry, biology or other sciences. The OEH Graduate Certificate program will allow them to have more industrial hygiene/occupational safety courses than most graduate programs teach. It will increase the educational level beyond a bachelor's degree, encourage many to complete a master's degree, and enhance the opportunities for advancement in their careers.

Students completing the Graduate Certificate Program in OEH will have acquired the following CEPH competencies:

Domain #1 Analytical Skills

1. Determine appropriate uses and limitations of both quantitative and qualitative data.
2. Evaluate the integrity and comparability of data and identify gaps in data sources.
3. Obtain and interpret information regarding risks and benefits to their organization.

Domain #2 Policy Development & Program Planning Skills

4. State policy options and write clear and concise policy statements.
5. Decide on appropriate actions based on available data
6. Develop a plan to implement policy, including goals, objectives and implementation steps
7. Prepare and implement emergency response plans

Domain #3 Communication skills

8. Communicate effectively both in writing and orally
9. Lead and participate in groups to address specific issues
10. Listens to others in an unbiased manner, respects points of view of others, and promotes the expression of diverse opinions

Domain #4 Cultural Competency Skills

11. Utilizes appropriate methods for interacting sensitivity, effectively, and professionally with persons from diverse cultural, socioeconomic, educational, racial, ethnic and professional background, and persons of all ages and lifestyle preferences

Domain #5 Community Dimensions of Practice Skills

12. Establishes and maintains linkages with key stakeholders
13. Describes the role of government in the delivery of community health services

Domain #6 basic Public Health Science Skills

14. Identifies and retrieves current relevant scientific evidence
15. Identifies the limitation of research and the importance of observations and interrelationships
16. Identifies and applies basic research methods used in public health

Domain #7 Financial Planning & Management Skills

17. Manages programs with budget constraints
18. Applies budget processes
19. Monitors program performance
20. Develops and presents a budget
21. Conducts cost-effectiveness, cost-benefit, and cost utility analyses

Domain #8 Leadership & system thinking Skills

22. Creates a culture of ethical standards within organizations and communities
23. Helps create key values and shared vision and uses these principles to guide actions
24. Promotes team and organizational learning
25. Uses the legal and political system to effect change
26. Applies the theory of organizational structures to professional practice

18 HOUR GRADUATE CERTIFICATE PROGRAM in INDUSTRIAL HYGIENE

The program will be a University approved 18 graduate credit- hour certificate taught in the EHS-MPH program by graduate faculty. It will have a time frame of 3 semesters with 2 classes taught each semester. One of the 6 classes will be online. The students will be approved through the Graduate School via the Non-Degree Admissions- Certification Admission graduate application process including an acceptable GPA from an accredited college or university.

The following are the 6 courses required to complete the certificate:

EHS 840	Industrial Hygiene Principles	D. Gary Brown DrPH CIH	3 hrs
EHS 841	Essential of Industrial Hygiene	D. Gary Brown DrPH CIH	3 hrs
EHS 865	Environmental Toxicology	Carolyn Harvey PhD CIH	3 hrs
*EHS 875	Principles of Ventilation	Carolyn Harvey PhD CIH	3 hrs
*+EHS 885	Crisis Management, Risk Communication/Assessment	D. Gary Brown DrPH CIH	3 hrs
*EHS 710	Radiological Health	Doug Draper MS, CHP	3 hrs

Spring 2010

EHS 840	Industrial Hygiene Principles	D. Gary Brown DrPH CIH	3 hrs
EHS 875	Principles of Ventilation	Carolyn Harvey PhD CIH	3 hrs

Fall 2010

EHS 865	Environmental Toxicology	Carolyn Harvey PhD CIH	3 hrs
EHS 710	Radiological Health	Doug Draper MS, CHP	3 hrs

Spring 2011

EHS 885	Crisis Management, Risk Communication/Assessment	D. Gary Brown DrPH CIH	3 hrs
EHS 841	Essentials of Industrial Hygiene	D. Gary Brown DrPH CIH	3 hrs

*Course description attached

+Course on-line

EHS 885 is a new course to increase the knowledge of risk assessment and risk management for employees working in the field of environmental/occupational health.

Five of these courses are currently being taught by existing faculty. Current faculty will teach EHS 885.

Certificate Program Approval Process

1. **Proposing Institution:** Eastern Kentucky University

2. **College/Department:** Health Sciences/Environmental Health

3. **Program Title:** Certificate - Industrial Hygiene

4. **CIP Code:** 15.0701

5. **Part of Existing Program?** Yes No

6. **Program Description (Attach course sequence, new course identification, and competencies.)**
See Attached

7. **Statement of Need:** Regional Stewardship/Workforce Development

8. **Licensure/Certification:** Yes No *(If yes, please specify agency and level.)*

9. **Plans for collaboration with other institutions (if applicable):** N/A

10. **Anticipated enrollment/completions:** 10-15 per year

11. **Admission Requirements:**

a. **Are there specific admission requirements in addition to the general institutional requirements? (If yes, please indicate):** Yes No

b. **Indicate the student placement level for the program.** Graduate Level - MPH Program

12. **Implementation Date:** Fall 2010

EKU Council on Academic Affairs Approval Date: _____

EKU Faculty Senate Approval Date: _____

EKU Board of Regents Approval Date: _____

KCTCS Approval Date: _____

CPE Approval Date: _____

Curriculum Change Form

Part I

(Check one) <input type="checkbox"/> New Course (Parts II, IV) <input type="checkbox"/> Course Revision (Parts II, IV) <input type="checkbox"/> Hybrid Course ("S," "W") <input type="checkbox"/> Course Dropped (Part II) <input checked="" type="checkbox"/> New Program (Part III) <input type="checkbox"/> Program Revision (Part III) <input type="checkbox"/> Program Suspended (Part III)	Department Name College *Course Prefix & Number *Course Title (30 characters) *Program Title *Provide only the information relevant to the proposal.	Environmental Health Science & Clinical Lab Science Health Sciences Certificate in Industrial Hygiene (Major __, Option __; Minor __; or Certificate <u>X</u>)
Proposal Approved by:		
Departmental Committee	Date 9/4/09	Graduate Council*
		Date 1/29/10
Is this a SACS Substantive Change? Yes**** <input type="checkbox"/> No <input checked="" type="checkbox"/>		
College Curriculum Committee	11/18/09	Approved x Disapproved
General Education Committee*	NA	Faculty Senate**
Teacher Education Committee*	NA	Board of Regents**
		Council on Postsecondary Edu.***
*If Applicable (Type NA if not applicable.) **Approval needed for new, revised, or suspended programs ***Approval/Posting needed for new degree program or certificate program ****If "yes", SACS must be notified before implementation. Please contact EKU's Office of Institutional Effectiveness.		

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested: Create new graduate certificate in Industrial Hygiene in the EHS - MPH program
A. 2. Effective date: Fall 2010
A. 3. Effective date of suspended programs for currently enrolled students: (if applicable)

B. The justification for this action:
 The 18 hour graduate certificate program will enable hundreds of Kentuckians presently involved in working for local, state and federal agencies and private companies to enhance their knowledge and skills in occupational & environmental health (OEH). This is a regional stewardship/workforce development need.

C. The projected cost (or savings) of this proposal is as follows:

Personnel Impact: NA
Operating Expenses Impact: NA
Equipment/Physical Facility Needs: NA
Library Resources: NA

Part III. Recording Data for New, Revised, or Suspended Program

Graduate Certificate Program in Industrial Hygiene
CIP 15.0701

The Graduate Certificate in Industrial Hygiene is designed for both degree-seeking and certificate-seeking students. The degree-seeking student may apply the certificate courses toward their degree and earn the official EKU Graduate Certificate in Industrial Hygiene.
 The students will be approved through the Graduate School via the Non-Degree Admissions – Certification Admission graduate application process including an acceptable GPA from an accredited college of university.

The following six courses are required to the complete the certificate:
 EHS710, 840, 841, 865, 875, and 885 18 hours total