

## **Environmental Health Program Program Changes Based on Assessment Data**

### Curricular/objective consistency and currency

The current EH curriculum is consistent with the program objective and up-to-date with current professional standards and expectations. The current EH Program curriculum is fully approved by the National Environmental Health Accreditation Council (EHAC).

The last major program revision was in conducted during the 2004 academic year and implemented in Fall, 2004. The changes in the curriculum are summarized in Table 1. Specific changes in the curriculum are underlined.

The use of a formal EH professional Advisory Council, which has been on hold for several years, has now been dropped from the list of assessment techniques, although the use of an Advisory Council could potentially be reinstated as early as fall, 2005.

Environmental Health faculty are also considering changes to the required curriculum, including adding *HIS 240: American History of the Environment* as a Group II elective following a discussion with ISU History Department faculty Dr. William Philpott and revision of *HSC 156: Environmental Health in the 21<sup>st</sup> Century*, including a new textbook, more active learning case study exercises, and potential movement from the Outer Core to offering as an Inner Core Natural Science Alternative. All EH elective courses are also being reevaluated to determine if they are necessary to the curriculum.

**Table 1: Curriculum changes**

<p><b>1. Environmental Health electives change from 300-level to 200-level.</b></p> <p>Old Catalog Copy:</p> <ul style="list-style-type: none"><li>• <u>HSC 347: Waste Management Practices</u></li><li>• <u>HSC 352: Water Quality and Treatment</u></li><li>• <u>HSC 357: Air Quality and Pollution Control</u></li></ul> <p><b>2. Environmental Health Minor Change</b></p> <p>Old Catalog Copy</p> <p>MINOR IN ENVIRONMENTAL HEALTH</p> <ul style="list-style-type: none"><li>- 15 hours in Health Sciences required.</li><li>- Required courses (9 hrs); HSC 145, 156, 248.</li><li>- Elective courses (6 hrs): HSC 247, 250, 252, 254, 257, 259, 322, 350, 383.</li><li>- Require courses outside of HSC (15 hrs): BSC 160; CHE 140, 141; MAT 119 or 120 or 145.</li></ul> <p>*NOTE: BSC 140, CHE 140, MAT 120 and 145 are General Education courses.</p> <p><b>3. Alignment of program objectives with IBHE student learning outcomes (please refer to table 1.1 below)</b></p> <p><b>4. Modification of required core curriculum courses to better reflect IBHE student learning outcomes and student needs.</b></p> <ul style="list-style-type: none"><li>• <u>HSC 258: Epidemiology</u></li><li>• <u>HSC 249: Toxicology</u></li></ul>	<p><b>1. Environmental Health electives change from 300-level to 200-level.</b></p> <p>New/Current Catalog Copy:</p> <ul style="list-style-type: none"><li>• <u>HSC 247: Waste Management Practices</u></li><li>• <u>HSC 252: Water Quality and Treatment</u></li><li>• <u>HSC 257: Air Quality and Pollution Control</u></li></ul> <p><i>Note: These courses were reverted to their former 200-level due to the suspension of enrollment in the EH&amp;S Master's Program. This should allow undergraduates greater flexibility concerning the sequence of courses within their academic plan of study.</i></p> <p><b>2. Environmental Health Minor Change</b></p> <p>New/Current Catalog Copy</p> <p>MINOR IN ENVIRONMENTAL HEALTH</p> <ul style="list-style-type: none"><li>- 15 hours in Health Sciences required.</li><li>- Required courses (6 hrs); HSC 145, 156*.</li><li>- Elective courses (9 hrs): HSC 247, 248, 249, 250, 252, 254, 257, 258, 322, 350, 359, 383 (no more than 6 hours from HSC 248, 359 and 383 may be counted towards the minor).</li><li>- Require courses outside of HSC (a minimum of 11 hrs): CHE 140*, 141; MAT 119 or 120* or 145*.</li></ul> <p>*NOTE: CHE 140, MAT 120 and 145, HSC 156 are General Education courses</p> <p><i>Note: These changes allow greater flexibility in student plan of study as an Environmental Health minor.</i></p>
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**Table 1.1: Environmental Health Program IBHE student outcomes**

<b>Outcomes</b>	<b>Courses</b>	<b>Activities (internal)</b>	<b>Application (external)</b>
<i>Anticipate hazards</i>	All required and elective EH courses	Exams, term project, group work, etc.	Professional Practice evaluation, etc.
<i>Recognize hazards</i>	All required and elective EH courses	Exams, term project, group work, etc.	Professional Practice evaluation, etc.
<i>Evaluate hazards</i>	All required and elective EH courses	Exams, term project, group work, etc.	Professional Practice evaluation, etc.
<i>Identify interventions</i>	All required and elective EH courses	Exams, term project, group work, etc.	Professional Practice evaluation, etc.
<i>Implement interventions</i>	All required and elective EH courses	Exams, term project, group work, etc.	Professional Practice evaluation, etc.
<i>Evaluate interventions</i>	All required and elective EH courses	Exams, term project, group work, etc.	Professional Practice evaluation, etc.
<i>Professional attributes</i>	All required and elective EH courses	Exams, term project, group work, etc.	Professional Practice evaluation, etc.
<i>Professional communication</i>	All required and elective EH courses	Exams, term project, group work, etc.	Professional Practice evaluation, etc.