## HEALTH SCIENCE

### Environmental/Occupational Health & Safety Option, B.S. (120 Units)

Valid for Catalog Years: 2018/2019 to 2019/2020

*Official planning guide approved by the College of Health & Human Services

For assistance or to schedule an advising appointment, please contact the Department of Public Health at 559-278-4014, McLane Hall 184

**HHS Advising and Career Development Center:** 559-278-5027, McLane Hall 194

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<thead>
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<th>Freshman</th>
<th>Sophomore</th>
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<tr>
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<td><strong>Milestones</strong></td>
<td>BIOL 1A</td>
<td>BIOL 1B &amp; 1BL PH92</td>
<td>CHEM 1A &amp; 1AL</td>
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<td><strong>General Education</strong></td>
<td>A1 (3 Units) Oral Communication *Must pass with a C or better</td>
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**Major**

- **MATH 6**  
  OR  
  GE Area B4  
  MATH 70 or 75  
  (4 Units)  
  Quantitative Reasoning  
  *See course catalog for prerequisite requirements*

- **BIOL 1B & 1BL or BIOL 33, or BIOL 65**  
  (4-5 Units)  
  *See course catalog for prerequisite requirements*

- **GE Area B1**  
  CHEM 1A  
  (3 Units)  
  Physical Sciences  
  [Pre-Req: High school chemistry. May be taken concurrently: GE B4; CHEM 1AL]  
  *Not open to students with credit in CHEM 1B*

- **CHEM 1B**  
  (3 Units)  
  [Pre-Req: CHEM 1A or 3A]  
  OR  
  CHEM 128A  
  (3 Units)  
  [Pre-Req: CHEM 1B or 8 (C or better) or instructor permission]

- **CHEM 8**  
  (3 Units)  
  [Pre-Req: CHEM 1A or 3A]  
  OR  
  CHEM 128A  
  (3 Units)  
  [Pre-Req: CHEM 1B or 8 (C or better) or instructor permission]

- **PHYS 2A**  
  (4 Units)  
  [Pre-Req: DS 71, MATH 75, MATH 70, or department permission]

- **PHYS 2B**  
  (4 Units)  
  [Pre-Req: PHYS 2A]

**GE Area B2**  
**BIOL 1A**  
(4 Units)  
Life Sciences

- **PH 92**  
  (3 Units)  
  [Pre-Req: ELM or college-taught intermediate algebra (C or better)]

- **GE Area B3**  
  CHEM 1AL  
  (2 Units)  
  Lab  
  [Pre-Req: CHEM 1A (may be taken concurrently)]

- **CHEM 1BL**  
  (2 Units)  
  [Pre-Req: CHEM 1B (may be taken concurrently)]

- **PH 161**  
  (3 Units)

- **PH 105, 145, 151, 162B, 164, 166T, 167, 168B, or 170**  
  (3 Units)  
  *See course catalog for prerequisite requirements*

- **PH 109**  
  (3 Units)  
  [Pre-Req: PH 92 or equivalent]

- **PH 163**  
  (3 Units)

- **PH 105, 145, 151, 162B, 164, 166T, 167, 168B, or 170**  
  (3 Units)  
  *See course catalog for prerequisite requirements*
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**Major**

- **PH 168A** (3 Units)
- **PH 105, 145, 151, 162B, 164, 166T, 167, 168B, or 170** (3 Units)
  - *See course catalog for prerequisite requirements
- **PH 135** (3 Units)
- **PH 175** (1-4 Units)
  - [Pre-Req: 21 units of the Health Science major (Core and Environmental Option courses)]
- **PH 162A** (3 Units)
  - [Pre-Req: PH 161]

**Additional Graduation Requirements**

- **UDWS (0-4 Units)**
  - *Upper Division Writing Exam OR "W" Course (must pass with a C or better)
- **Mi** (3 Units)
  - Multicultural/International

- **Elective**

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**FOOTNOTES:**

**Prerequisites/Corequisites:** Other restrictions may apply. Please see your course catalog for detailed prerequisite/corequisite requirements.

**Grade Requirements:** Health Science majors may not apply CR/NC grading toward major requirements for a baccalaureate degree, except for PH 175, PH 185F, and PH 188, which are mandatory CR/NC courses.

**Upper Division Writing Skills requirement (UDWS):** All undergraduate students must demonstrate competency in writing skills by passing the Upper Division Writing Exam (UDWE) or by obtaining a C or better in an approved upper division writing course, identified by the letter "W."

**Substitutions:** If substitutions/exceptions/waivers are made for any major courses that also meet GE and/or the Multicultural/International graduation requirement, the student is responsible for completing additional courses to satisfy the respective areas (GE and/or MI). This also includes the upperdivision writing requirement.

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# HEALTH SCIENCE
Environmental/Occupational Health & Safety Option, B.S. (120 Units)

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**Milestones**
- **BIOL 1A**
- **BIOL 1B & 1BL PH92**
- **CHEM 1A & 1AL**
- **CHEM 1B & 1BL**
- **CHEM 8 or CHEM 128A**
- **BIOL 20 or BIOL 120**
- **PHYS 2A & All PH Core and Option Course Requirements**
- **PHYS 2B & All PH Electives and PH175**

**General Education**
- **A1 (3 Units)** Oral Communication
  *Must pass with a C or better
- **A2 (3 Units)** Written Communication
  *Must pass with a C or better
- **A3 (3 Units)** Critical Thinking
  *Must pass with a C or better
- **C1 (3-4 Units)** Arts
- **C2 (3-4 Units)** Humanities
- **C1/C2 (3-4 Units)** Arts or Humanities
- **IB (3 Units)** Physical Universe & Its Life Forms
- **ID (3-4 Units)** Social, Political, & Economic Institutions
- **D1 (3 Units)** American History
- **D2 (3 Units)** American Government
- **D3 (3 Units)** Social Science
- **D1 (3 Units)** American History
- **D2 (3 Units)** American Government
- **D3 (3 Units)** Social Science

**Course Requirements**
- **A1 (3 Units)** Oral Communication
  *Must pass with a C or better
- **D1 (3 Units)** American History
  *Must pass with a C or better
- **A2 (3 Units)** Written Communication
  *Must pass with a C or better
- **E1 (3 Units)** Lifelong Understanding & Self Development
  *PH 90 recommended
- **C1 (3-4 Units)** Arts
  *Must pass with a C or better
- **C2 (3-4 Units)** Humanities
  *Must pass with a C or better
- **C1/C2 (3-4 Units)** Arts or Humanities
  *Must pass with a C or better
- **IB (3 Units)** Physical Universe & Its Life Forms
  *Must pass with a C or better
- **ID (3-4 Units)** Social, Political, & Economic Institutions
  *Must pass with a C or better
- **D1 (3 Units)** American History
  *Must pass with a C or better
- **D2 (3 Units)** American Government
  *Must pass with a C or better
- **D3 (3 Units)** Social Science
  *Must pass with a C or better
- **PHYS 2A & All PH Core and Option Course Requirements**
  *Must pass with a C or better
- **PHYS 2B & All PH Electives and PH175**
  *Must pass with a C or better

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Revised 8/2018
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<th>Fall 2017/18</th>
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<th>Spring 17-21</th>
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<td><strong>Major</strong></td>
<td>MATH 6 OR GE Area B4 MATH 70 or 75 or DS 71 &amp; 71L (4 Units) Quantitative Reasoning *See course catalog for prerequisite requirements</td>
<td>BIOL 1B &amp; 1BL or BIOL 33, or BIOL 65 (4-5 Units)</td>
<td>CHEM 1A (3 Units) Physical Sciences [Pre-Req: High school chemistry. May be taken concurrently: GE B4; CHEM 1AL] *Not open to students with credit in CHEM 1B</td>
<td>CHEM 8 (3 Units) [Pre-Req: CHEM 1A or 3A] OR CHEM 128A (3 Units) [Pre-Req: CHEM 1B or 8 (C or better) or instructor permission]</td>
<td>BIOL 20 (4 Units) [Pre-Req: CHEM 1A or 3A] *Not open to students with credit in BIOL 120 OR BIOL 120 (3 Units) [Pre-Req: BIOL 1A &amp; 1B or instructor permission]</td>
<td>PHYS 2A (4 Units) [Pre-Req: DS 71, MATH 75, MATH 70, or department permission]</td>
<td>PHYS 2B (4 Units) [Pre-Req: PHYS 2A]</td>
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<tr>
<td><strong>GE Area B2</strong></td>
<td>BIOL 1A (4 Units) Life Sciences</td>
<td>PH 92 (3 Units) [Pre-Req: ELM or college-taught intermediate algebra (C or better)]</td>
<td>GE Area B3 CHEM 1AL (2 Units) Lab [Pre-Req: CHEM 1A (may be taken concurrently)]</td>
<td>CHEM 1BL (2 Units) [Pre-Req: CHEM 1B (may be taken concurrently)]</td>
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<td><strong>PH 109</strong> (3 Units) [Pre-Req: PH 92 or equivalent]</td>
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**Sophomore**

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<th>PH 168A (3 Units)</th>
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**Junior**

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<th>PH 175 (1-4 Units) [Pre-Req: 21 units of the Health Science major (Core and Environmental Option courses)]</th>
<th>PH 135 (3 Units)</th>
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**Senior**

| PH 162A (3 Units) [Pre-Req: PH 161] | UDWS (0-4 Units)  
*Upper Division Writing Exam OR "W" Course (must pass with a C or better) | Elective |
|--------------------------------------|---------------------------------------------------------------|-----------|

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