

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

Units	Freshman		Sophomore		Junior		Senior	
	Fall 20-21	Spring 15-17	Fall 15-16	Spring 11-12	Fall 12-17	Spring 12-14	Fall 19	Spring 17-21
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	D1 (3 Units) American History	A3 (3 Units) Critical Thinking *Must pass with a C or better	C1/C2 (3-4 Units) Arts or Humanities	IB (3 Units) Physical Universe & Its Life Forms	ID (3-4 Units) Social, Political, & Economic Institutions		
	A2 (3 Units) Written Communication *Must pass with a C or better	C1 (3-4 Units) Arts	C2 (3-4 Units) Humanities		IC (3-4 Units) Arts & Humanities			
	E1 (3 Units) Lifelong Understanding & Self Development *PH 90 recommended		D2 (3 Units) American Government					
			D3 (3 Units) Social Science					

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Units	Freshman		Sophomore		Junior		Senior	
	Fall 20-21	Spring 15-17	Fall 15-16	Spring 11-12	Fall 12-17	Spring 12-14	Fall 19	Spring 17-21
Major	<p>MATH 6 OR GE Area B4 MATH 70 or 75 (4 Units) Quantitative Reasoning *See course catalog for prerequisite requirements</p>	<p>BIOL 1B & 1BL or BIOL 33, or BIOL 65 (4-5 Units) *See course catalog for prerequisite requirements</p>	<p>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</p>	<p>CHEM 1B (3 Units) [Pre-Req: CHEM 1A & 1AL (both passed with a C or better); CHEM 1BL (may be taken concurrently)]</p>	<p>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]</p>	<p>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 & 1B or instructor permission]</p>	<p>PHYS 2A (4 Units) [Pre-Req: DS 71, MATH 75, MATH 70, or department permission]</p>	<p>PHYS 2B (4 Units) [Pre-Req: PHYS 2A]</p>
	<p>GE Area B2 BIOL 1A (4 Units) Life Sciences</p>	<p>PH 92 (3 Units) [Pre-Req: ELM or college-taught intermediate algebra (C or better)]</p>	<p>GE Area B3 CHEM 1AL (2 Units) Lab [Pre-Req: CHEM 1A (may be taken concurrently)]</p>	<p>CHEM 1BL (2 Units) [Pre-Req: CHEM 1B (may be taken concurrently)]</p>		<p>PH 161 (3 Units)</p>	<p>PH 143 (3 Units)</p>	<p>PH 105, 145, 151, 162B, 164, 166T, 167, 168B, or 170 (3 Units) *See course catalog for prerequisite requirements</p>
					<p>PH 109 (3 Units) [Pre-Req: PH 92 or equivalent]</p>		<p>PH 163 (3 Units)</p>	<p>PH 160 (3 Units)</p>

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	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Units	20-21	15-17	15-16	11-12	12-17	12-14	19	17-21
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)			Elective
					MI (3 Units) Multicultural/International			

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	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Units	20-21	15-17	15-16	11-12	12-17	12-14	19	17-21

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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General Education	A1 (3 Units) Oral Communication *Must pass with a C or better	D1 (3 Units) American History	A3 (3 Units) Critical Thinking *Must pass with a C or better	C1/C2 (3-4 Units) Arts or Humanities	IB (3 Units) Physical Universe & Its Life Forms	ID (3-4 Units) Social, Political, & Economic Institutions		
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Electives					UDWS (0-4 Units) *Upper Division Writing Exam OR "W" Course (must pass with a C or better)			Elective

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