Course Changes:

Course	Change	Justification
ENVH 312: Solid and Hazardous Materials (3CH)	• Add PREQ requirements: BIOL 104: Human Biology, CHEM 140: General Chemistry II	• The BIOL 104 and CHEM 140 PREQs are needed for students to be successful in the course. These courses are already required as part of the ENVH curriculum.
ENVH 375: Environmental Toxicology (3CH)	• Remove course PREQ: Junior standing • Add PREQ requirements: BIOL 104: Human Biology, CHEM 140: General Chemistry II • Add COREQ: MATH 100+130: Precalculus I	• The BIOL 104 and CHEM 140 PREQs are needed for students to be successful in the course. These courses are already required as part of the ENVH curriculum. • Addition of these PREQs will negate the need for the "Junior standing" PREQ, hence its removal. • The MATH 100+130 COREQ is being added to improve student success
ENVH 440: Air Quality Control (3CH)	• Add PREQ requirements: CHEM 140: General Chemistry II, PHYS 130: Physics I, MATH 100+130: Precalculus I • Add COREQ requirement: ENVH 450: Air Quality Control Lab	• The CHEM 140, PHYS 130, and MATH 100+130 PREQs are needed for students to be successful in the course. These courses are already required as part of the ENVH curriculum. • Theory is taught in ENVH 440, application of concepts in lab ENVH 450. Courses should be taken together.
ENVH 470: Principles of Epidemiology (4CH)	• Change course title: ENVH 470: Epidemiologic Methods for Environmental Health • Update course description: Principles and applications of disease prevention, investigation, and control with focus on statistical applications. • Add additional PREQ requirements: BIOL 313: Microbiology in Health and Nutrition, ENVH 330: Food Protection and Sanitation	• The course title and description are being changed to reflect how the course is actually taught as prescribed by the National Environmental Health Science and Protection Accreditation Council (EHAC). Additionally, these changes will distinguish the course from the 3-CH "Principles of Epidemiology" in the IHS Program. • The ENVH 330 and BIOL 313 PREQs are needed for students to be successful in the course. • The ENVH major PREQ is being added as this course is considered a capstone course in the ENVH curriculum and physical space is limited due to its laboratory component (24). This PREQ will ensure that ENVH students are able to complete this required course as dictated by EHAC accreditation requirements.

ENVH 430: Medical Entomology (3CH)	• Update course description: Disease biology, morphology, and control of public health arthropod pests. • Remove course PREQ: Junior standing • Change course PREQ: ENVH major, BIOL 313: Microbiology in Health and Nutrition • Add COREQ: ENVH 431: Medical Entomology Laboratory	• The course description is being changed to reflect how the course is actually taught in accordance with EHAC requirements. • The ENVH major PREQ is being added – and the "Junior standing" PREQ removed – as this course is considered a capstone course in the ENVH curriculum. Students should have completed ENVH 300 level-curriculum and BIOL 313 prior to enrolling in this course. Additionally, physical space is limited due to its laboratory component (24). This PREQ will ensure that ENVH students are able to complete this required course as dictated by EHAC accreditation requirements. • Theory is taught in ENVH 430, application of concepts in lab ENVH 431. Courses should be taken together.
ENVH 431: Medical Entomology Laboratory (1CH)	• Remove course PREQ: Junior standing • Change course PREQ: ENVH major, BIOL 313: Microbiology in Health and Nutrition • Add COREQ: ENVH 430: Medical Entomology Laboratory	• The ENVH major PREQ is being added – and the "Junior standing" PREQ removed – as this course is considered a capstone course in the ENVH curriculum. Students should have completed ENVH 300 level-curriculum and BIOL 313 prior to enrolling in this course. Additionally, physical space is limited due to its laboratory component (24). This PREQ will ensure that ENVH students are able to complete this required course as dictated by EHAC accreditation requirements. • Theory is taught in ENVH 430, application of concepts in lab ENVH 431. Courses should be taken together.

Program Related Changes:

Program	Change	Justification
ENVH 312: Solid and Hazardous Materials (3CH)	• Change of course number: ENVH 412	• Change of course number to a 400-level course is needed to reflect level of course content.

ENVH 457: Industrial Hygiene (3CH)	• Remove ENVH 457 from ENVH core curriculum	• Removal of this course from the core curriculum reflects current National Environmental Health Science and Protection Accreditation Council (EHAC) requirements and program faculty expertise. EHAC does not require a course in industrial hygiene and there are no current program faculty with the expertise to teach the course.
ENVH 450: Industrial Hygiene Lab (2CH)	• Change ENVH 450 from 2CH to 1CH • Change name to "Air Quality Control Lab" • Add COREQ requirement: ENVH 440: Air Quality Control Lecture	• Change of CH is needed to reflect SACSCOC requirements for contact hours. • The course title is being changed to reflect how the course is actually taught as prescribed by the National Environmental Health Science and Protection Accreditation Council (EHAC). • Theory is taught in ENVH 440, application of concepts in lab ENVH 450. Courses should be taken together.
Add MATH 170: Applied Statistics (3)	• Add MATH 170 to ENVH Science and Math Requirements	• At least one course in statistics is required by the National Environmental Health Science and Protection Accreditation Council (EHAC). The addition of this course will help meet accreditation guidelines and better prepare students to apply statistical concepts in upper-level Environmental Health courses.
Reduce total number of CH in ENVH Core Requirements	• Reduce CH from 39 to 35	• Four CH are subtracted from the ENVH core by the removal of ENVH 457 (3 CH) and reduction in CH of ENVH 450 (2 to 1CH).
Increase total number of CH in ENVH Math and Science Requirements	• Increase CH from 30-33 to 33-35	• The addition of MATH 170 to the ENVH core adds 3CH.
Increase total number of CH in Program Concentration Requirements	• Increase CH from 9 to 10 to account for the 1 hour net loss from Math/Science and Core Requirement changes.	• The addition of this 1CH accounts for the net loss of 1CH in the Math/Science Core Requirement and ENVH Core requirement changes.
Remove MATH 146: Precalculus (4)	• Remove MATH 146 from ENVH core math/science requirements	• Recent curriculum changes in mathematics have resulted in changes to course prefixes and content. As such, MATH 146

		content is not appropriate for ENVH students
Add MATH 100+130: Precalculus I (4CH)	• Add MATH 100+100 to ENVH core math/science requirements	• Recent curriculum changes in mathematics have resulted in changes to course prefixes and content. MATH 100+130 content is appropriate for ENVH students and fulfills National Environmental Health Science and Protection Accreditation Council (EHAC) requirements.
ENVH 470: Principles of Epidemiology (4CH)	• Change course title to ENVH 470: Epidemiologic Methods for Environmental Health	• The course title is being changed to reflect that the course is taught to include biostatistics as prescribed by the National Environmental Health Science and Protection Accreditation Council (EHAC). Additionally, these changes will distinguish the course from the 3-CH "Principles of Epidemiology" in the Integrated Health Sciences Program.
Remove BIOL 140: Principles of Biology I (4CH)	• Remove BIOL 140: Principles of Biology I from ENVH Math and Science requirements	• The National Environmental Health Science and Protection Accreditation Council (EHAC) requires students complete a biology course but the standards do not specify which biology course should be completed. This course is being removed from the ENVH Math and Science requirements after extensive review of course syllabi and outcomes. The course is not adequately providing ENVH students with the applicable biology fundamentals necessary for success in ENVH Core curriculum.
Add BIOL 104: Human Biology (3CH)	• BIOL 104: Human Biology to ENVH Math and Science requirements	• The National Environmental Health Science and Protection Accreditation Council (EHAC) requires students complete a biology course but the standards do not specify which biology course should be completed. This course is being added to the ENVH Math and Science requirements after extensive review of course syllabi and outcomes which are anticipated to better prepare our students to succeed in the ENVH Core curriculum.

Environmental Health Program

Check Sheet

Math and Sciences Requirements

Course No.	Course Title	Credit	Semester	Grade
MATH 100+130	Pre-Calculus Support and Precalculus I	4		
MATH 170	Applied Statistics	3		
PHYS 130	Introduction to Physics I	4		
CHEM 139	General Chemistry I	4		
CHEM 140	General Chemistry II	4		
CHEM 241	Organic Chemistry or higher level organic chemistry	4		
BIOL 104	Human Biology	3		
BIOL 313	Microbiology in Health and Nutrition	4		
Additional science credit	Recommended courses: BIOL 140 or higher, PHYS 131, CHEM 242 or higher, GEOL 305 or 310. Discuss with advisor.	3-4		
		33-34		

Environmental Health Core Courses

ENVH 230	Introduction to Environmental Health Sciences	3		
ENVH 310	Water Quality Control Lecture	3		
ENVH 311	Water Quality Control Lab	1		
ENVH 320	Institutional and Residential Environments	3		
ENVH 330	Food Protection and Sanitation Lecture	3		
ENVH 331	Food Protection and Sanitation Lab	1		
ENVH 375	Environmental Toxicology	3		
ENVH 412	Solid and Hazardous Materials	3		
ENVH 430	Medical Entomology	3		
ENVH 431	Medical Entomology Laboratory	1		
ENVH 440	Air Quality Control	3		
ENVH 457	Air Quality Control Laboratory	1		
ENVH 470	Principles of Epidemiology & Biostatistics	4		
ENVH 395	Environmental Health Pre-Internship Seminar	1		
ENVH 483	Environmental Health Internship	2		
		35		

Program Concentration: (10 hours) The area of concentration will be chosen in conjunction with the student's advisor based on individual student career goals. **Bolded: recommended for careers with health departments or US Public Health Service;** *Italics: recommended for preparation for graduate degree in public health*, Underlined: recommended for careers in occupational health and safety

GEOG 221	**Introduction to Geospatial Analysis**	3		
GEOL 305	**Soils and Hydrology**	4		
GEOL 310	**Principles of Soils and Hydrology for Construction Managers**	4		
ENVH 200	*Introduction to Public Health (P1)*	3		
ENVH 210	*Global Disparities in Public Health (P6)*	3		
ENVH 260-261	**Etiology of Infectious Diseases and Lab**	3		
ENVH 270	**Biological Basis of Disease**	3		
ENVH 300	Occupational Health (P1 ULP)	3		
ENVH 457	Industrial Hygiene	3		
ENVH 458	Environmental Law and Regulation	3		
ENVH 465	**Wastewater Issues in Environmental Health**	3		
ENVH 380	***Biosafety and Bioterrorism***	3		
ENVH 480	*Independent Study in Environmental Health*	1-3		
ENVH 499	*Undergraduate Research in Environmental Health*	1-3		

General Electives: General electives are required to complete the program.

Liberal Studies Program: Student is responsible for completing the liberal studies program (42 hours). Required math (3 credit hours), science courses (8 credit hours) and perspectives (6 credit hours) can be counted toward the liberal studies program and environmental health program requirements.

TOTAL HOURS FOR B.S. in ENVIRONMENTAL HEALTH: 120

DRAFT