

# Environmental Health, B.S 120hrs

School of Health Sciences

Catalog Year 2024-2025

Freshman	Fall	Term	Grade	Hrs	Milestones
	CHEM 139: General Chemistry I (C5)			4	Complete CHEM 139
	FYS 190: First Year Seminar (ENVH 190 Recommended)			3	
	HEAL 111, HEAL 123, or HSCC 101 (C4)			3	
	ENVH 200: Intro to Public Health (Suggested P1)			3	
	Elective			3	
Total				16	
<b>Tip:</b> Check email for details on Advising Day. Join SEHA- Student Environmental Health Association. Visit <a href="http://ENGAGE.WCU.EDU">ENGAGE.WCU.EDU</a> to become a member.					

Spring	Term	Grade	Hrs	Milestones	
	CHEM 140: General Chemistry II			4	Complete CHEM 140
	COMM 201: Foundations of Communication (C3)			3	
	ENVH 210: Intro to Global Health (Suggested P6)			3	
	MATH 130 & 100: Pre-Calculus & Pre-Calculus Support (C2)			4	
	ENGL 101: Writing and Rhetoric (C1)			3	
Total			17	Complete MATH 130/100	
<b>Tip:</b> If you feel you don't need Pre-Calc support, register to take the Challenge. Speak with your advisor for more information.					

Sophomore	Fall	Term	Grade	Hrs	Milestones
	ENGL 202: Writing and Critical Inquiry (C1)			3	Complete PHYS 130
	P4			3	
	ENVH 230: Intro to Environmental Health Science			3	Complete ENVH 230 with a 'C' or higher
	PHYS 130: Introductory Physics I (C5)			4	
	Elective			3	
Total				16	
<b>Tip:</b> Consult with advisor when choosing an elective. If you are a pre-professional student (Pre-Med, Pre-PA, etc.), use this elective space to meet pre-requisites for program of interest.					

Spring	Term	Grade	Hrs	Milestones	
	P5			3	Begin exploring internship opportunities
	BIOL 102: Human Genetics (or higher-level BIOL)			3	
	P1			3	
	P3			3	Complete BIOL 102 (or higher-level BIOL)
	Elective			3-4	
Total			15-16		
<b>Tip:</b> Consult with advisor when choosing an elective. If you are a pre-professional student (Pre-Med, Pre-PA, etc.), use this elective space to meet pre-requisites for program of interest.					

Junior	Fall	Term	Grade	Hrs	Milestones
	P1-P6: Upper level perspective*			3	Complete ENVH 395
	CHEM 241: Organic Chemistry I			4	
	ENVH 310: Water Quality Control			3	Complete ENVH courses with 'C' or higher
	ENVH 311: Water Quality Control Lab			1	
	ENVH 375: Environmental Toxicology			3	
	ENVH 395: ENVH Pre-Internship Seminar			1	
Total				15	
<b>Tips:</b> *If you've already taken an ULP, you can speak with your advisor for other options. Discuss internship opportunities with advisor and program faculty.					

Spring	Term	Grade	Hrs	Milestones	
	Guided Elective; Selected in conjunction with advisor			3-4	Apply for internships
	BIOL 313: Microbiology in Health and Nutrition			4	
	ENVH 330: Food Protection & Sanitation			3	Complete ENVH courses with 'C' or higher
	ENVH 331: Food Protection & Sanitation Lab			1	
	ENVH 320: Institutional and Residential Environments			3	
Total			13-14		
<b>Tips:</b> Speak with advisor about appropriate guided elective options. Discuss internship opportunities with advisor and program faculty.					

Summer	Term	Grade	Hrs	Milestones
ENVH 483: ENVH Internship			2	Complete 400 hours for internship

Senior	Fall	Term	Grade	Hrs	Milestones
	Additional Science Credit*			3-4	Apply for Graduation
	MATH 170: Applied Statistics			3	
	ENVH 430: Vector-Borne Disease Control			3	Complete ENVH courses with 'C' or higher
	ENVH 431: Vector-Borne Disease Control Lab			1	
	Guided Elective; Selected in conjunction with advisor			3	
Total				13-14	
<b>Tips:</b> Speak with advisor about appropriate guided elective options. *Discuss science credit options with your advisor: BIOL 140 or higher, PHYS 131, CHEM 242 or higher, GEOL 305 or 310. Connect with Center for Career & Professional Development for help with resume and cover letter.					

Spring	Term	Grade	Hrs	Milestones	
	ENVH 412: Solid & Hazardous Materials Management			3	Graduate!
	ENVH 450: Air Quality Control Lab			1	
	ENVH 440: Air Quality Control			3	Complete ENVH courses with 'C' or higher
	ENVH 470: Epidemiologic Methods in Environmental Health			4	
	Guided Elective; Selected in conjunction with advisor			1-4	
Total			13-15		
<b>Tip:</b> Speak with advisor about appropriate guided elective options.					

**Note:** One course from P1-P6 must be an upper level.

Course offerings in Liberal Studies vary by semester. See available options: [LiberalStudies.WCU.EDU](http://LiberalStudies.WCU.EDU)

Courses are listed in recommended sequence, but there is flexibility. If you are transferring in, changing your major, or just need to arrange courses differently - speak with ENVH advisor.

Last revised 03.22.24

# Environmental Health, B.S.

C1. Writing	Hrs
ENGL 101	3
ENGL 202	3
C2. Mathematics	Hrs
MATH 130/100 ( <i>note: MATH 170 is also required</i> )	4
C3. Oral Communication	Hrs
COMM 201	3
C4. Wellness	Hrs
HEAL 111, HEAL 123, or HSCC 101	3
C5. Physical & Biological Sciences	Hrs
<i>Courses must be taken in two different disciplines.</i>	
CHEM 139, CHEM 140, PHYS 130, BIOL 102	3-4
	3-4
The First-Year Seminar	Hrs
FYS 190 (ENVH 190 recommended)	3
P1. Social Sciences	Hrs
<i>Must take two courses from two DIFFERENT disciplines.</i>	
ANTH 110, ANTH 115, ANTH 432, ASI 250, BA 133, ECON 231, ECON 232, ENVH 200, ENVH 300, FIN 210, FIN 350, LAW 105, LAW 406, MKT 409, PSC 101, PSC 323, PSY 150, PSY 320, PSY 331, RTH 300, SOC 103, SOC 235, SOC 414, SOCW 251, SOCW 354, SOCW 402	3
	3
P3. History	Hrs
HIST 107, HIST 131, HIST 132, HIST 210, HIST 211, HIST 212, HIST 213, HIST 218, HIST 220, HIST 221, HIST 222, HIST 233, HIST 234, HIST 235, HIST 236, HIST 237, HIST 238, HIST 239, HIST 240, HIST 250, HIST 303, HIST 308, HIST 311, HIST 315, HIST 317, HIST 330, HIST 335, HIST 337, HIST 341, HIST 351, MATH 301	3
P4. Humanities	Hrs
CS 210, ECON 344, ENGL 203, ENGL 206, ENGL 207, ENGL 208, ENGL 209, ENGL 210, ENGL 333, ENGL 350, ENGL 351, ENGL 352, ENGL 353, ENGL 367, ENGL 368, ENGL 390, GBS 200, HIST 271, HIST 281, LAW 201, LAW 306, LAW 412, PAR 101, PAR 102, PAR 121, PAR 146, PAR 201, PAR 250, PAR 304, PAR 306, PAR 307, PAR 309, PAR 310, PAR 312, PAR 313, PAR 315, PAR 317, PAR 319, PAR 320, PAR 330, PAR 332, PAR 333, PAR 365, PAR 366, PRM 365, SM 340	3
P5. Fine & Performing Arts	Hrs
ART 104, DA 259, FPA 101, FTP 340, IDES 250, MUS 101, MUS 102, MUS 103, MUS 300, MUS 302, MUS 304, THEA 104	3
P6. World Cultures	Hrs
ANTH 120, BA 304, CHER 101, CHIN 101, CHIN 102, CHIN 231, CHIN 232, CM 365, COMM 415, EDCI 305, ENGL 363, ENGL 366, ENGR 365, ENVH 210, FREN 101, FREN 102, FREN 231, GEOG 103, GEOG 140, GEOG 440, GER 101, GER 102, GER 140, HSCC 205, HSCC 420, HT 238, JPN 101, JPN 102, JPN 140, LATX 220, MKT 407, MUS 303, ND 310, PAR 145, PAR 251, PAR 260, PAR 323, PAR 342, PAR 353, PAR 354, PAR 356, PAR 357, PAR 367, PRM 322, PSC 169, SM 350, SOC 160, SPAN 101, SPAN 102, SPAN 140, SPAN 301	3

Major Core Requirements	Hrs
CHEM 139	4
CHEM 140	4
PHYS 130	4
BIOL 102 (or higher-level BIOL)	3
BIOL 313	4
Additional Science Credit (Consult with advisor for options)	3-4
CHEM 241	4
MATH 170	3
ENVH 230	3
ENVH 310	3
ENVH 311	1
ENVH 320	3
ENVH 330	3
ENVH 331	1
ENVH 375	3
ENVH 395	1
ENVH 412	3
ENVH 430	3
ENVH 431	1
ENVH 440	3
ENVH 450	1
ENVH 470	4
ENVH 483	2
General Elective(s) if needed. Consult with advisor.	-
Guided Electives, 10hrs	Hrs
Guided Electives will be chosen in conjunction with your advisor based on individual student career goals. <b>Bolded:</b> recommended for careers with health departments or US Public Health Service; <i>Italics:</i> recommended for preparation for graduate degree in public health; <u>Underlined:</u> recommended for careers in occupational health and safety.	
Select a minimum of 10 hours from the following:	
GEOG 221	3
<b>GEOL 305</b>	4
<b>GEOL 310</b>	4
<i>ENVH 200</i>	3
<i>ENVH 210</i>	3
<b>ENVH 260 &amp; 261</b>	3
<b>ENVH 270</b>	3
<u>ENVH 300</u>	3
<u>ENVH 457</u>	3
<u>ENVH 458</u>	3
<b>ENVH 465</b>	3
<b>ENVH 380</b>	3
<i>ENVH 480</i>	1-3
<i>ENVH 499</i>	1-3

## Catalog Year 2024-2025

Program Criteria
Students must maintain an overall 2.0 GPA and earn a grade of C (2.0) or above in each of the core environmental health courses to remain in the program. In addition, students are expected to adhere to the technical and professional standards of the program.

Internship
All students complete a required internship, and because of this experience, ENVH graduates are credited with the 1-year required internship period as a REHS-I in North Carolina. ENVH graduates also meet the criteria to take the NEHA Registered Environmental Health Specialist/Registered Sanitarian (REHS/RS) credential exam upon graduation.

Student Environmental Health Association (SEHA)
All Environmental Health majors are encouraged to be active in SEHA. Visit <a href="http://ENGAGE.WCU.EDU">ENGAGE.WCU.EDU</a> to become a member.

Additional Liberal Studies Information
One upper-level course is required in any perspective category outside the discipline (prefix) of the student's major. Students should not enroll in courses numbered above their class rank.

Undergraduate Catalog
Additional info located in the catalog at: <a href="http://catalog.wcu.edu">catalog.wcu.edu</a>

Pre-Professional Interest
Many courses within Environmental Health meet pre-requisites for graduate programs (PA, MD, etc.). Elective hours can be used for additional requirements not fulfilled by major. Pre-professional programs may also be looking for: BIOL 140, BIOL 141, BIOL 291, BIOL 292, BIOL 240, and CHEM 242.
Consult with advisor on how to plan appropriately.

Advisement & Resources
<b>ENVH.WCU.EDU</b>
<b>Program Director</b> Brian Byrd: <a href="mailto:bdbyrd@wcu.edu">bdbyrd@wcu.edu</a> or 828-227-2607
<b>Student Services Center</b> <b>SSC.WCU.EDU</b>
Kimberlee Yontz: <a href="mailto:kyontz@wcu.edu">kyontz@wcu.edu</a> or 828-227-3516 Julie Conway: <a href="mailto:jconway@wcu.edu">jconway@wcu.edu</a> or 828-227-2917