



**ONE HEALTH MAJOR**

Contact: Dr. Dawn Holliday

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The health of people, animals and the environment is intimately connected. This major recognizes these connections and studies health at their intersection. As the human population grows and the health of the environment degrades, humans are coming into closer contact with animals. Because of this, countries may see more zoonotic diseases (e.g. Ebola) spreading to human populations. As human populations grow, they put more pressure on the environment and introduce more environmental chemicals, many with unknown and some with transgenerational effects. This major will set the scientific foundation and then explore some of the vectors that transmit disease, discuss global health issues, examine personal ethics, investigate the impacts of chemistry and delve into the interface of human, animals and the environment. This major will prepare students to address these One Health issues. Students with this major may find employment in both the public health sector as well as in wildlife biology or veterinary science.

Students majoring in One Health may not also major or minor in Biology, Biochemistry (either emphasis) or Environmental Science/Studies. In order to earn a Major in One Health, students must earn a letter grade of C- or better in all biology courses needed to satisfy major requirements and attain a 2.0 average or higher in these courses. At least 50% of all One Health hours used to satisfy the major must be Westminster Courses.

If any substitutions of waivers of requirements are allowed, please list below and initial.

Course #		Title of Course	Hours Completed	Semester Completed	Grade

**MAJOR: ONE HEALTH MAJOR**

Student's Last Name	First	Middle Initial
Advisor	Date Major Declared	

Course #	Course hours	Title of Course	Hours Completed	Semester Completed	Grade
<b>Required Courses: (22 hrs.)</b>					
BIO 124/125	4	Biodiversity			
BIO 114/114	4	Bioprocesses			
CHM 114/115	4	General Chemistry I			
CHM 124/125	4	General Chemistry II			
ENV 105	3	Intro to Environmental Studies			
MAT 114	3	Statistics			
<i>Students are encouraged to complete the above courses in their first 3-4 semesters.</i>					
<b>Disease Transmission &amp; Suppression (Complete one) ( 3-4 hrs.)</b>					
BIO 315	4	Entomology			
BIO 330	3	Virology			
BIO 403	4	Microbiology			
BIO 413	3	Immunology			
<b>Human Health (6 hrs.)</b>					
<b>Required:</b>					
HES 261	3	Intro to Epidemiology			
<b>Complete one:</b>					
HES 240	3	Intro to Global Public Health			
HES/WGS 355	3	Women's Health Issues			
HES 357	3	Community Nutrition			
<b>Ethical Perspectives and the Environment (Complete one) (3 hrs.)</b>					
PHL 246	3	Environmental Ethics			
REL 324	3	Religion and the Environment			
<b>Animals Interacting with their Environment (Complete one) (3-4 hrs.)</b>					
BIO 205	4	Ecology & Field Biology			
BIO/ENV 350	3	Conservation Biology			
<b>The Health Impacts of Chemistry (Complete one) (3-4 hrs.)</b>					
BIO/CHM 300	4	Environmental Toxicology			
CHM 410	3	Medical Chemistry			
<b>Capstone (1 hr)</b>					
BIO/ENV/HES 400	1	One Health Capstone			
<b>Total Hours for Major</b>			<b>41-44 hrs.</b>		