



BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE (2024-2026 CATALOG)
PRESCRIBED WORK: REQUIRED BY ALL THREE TRACKS IN THE EVS PROGRAM

University Core Curriculum	<i>42 hours required. See EVS Program Office for approved course list.</i> Some EVS Prescribed Work will satisfy core requirements.
Mathematics	<i>Differential and integral calculus required. Options:</i> <ul style="list-style-type: none"> - M 408C Differential & Integral Calculus, OR - M 408K or N AND M 408L or S Differential Calculus and Integral Calculus
Chemistry	<i>2 courses required:</i> <ul style="list-style-type: none"> • CH 301(H) Principles of Chemistry I, AND • CH 302(H) Principles of Chemistry II
Physics	<i>1 pair required. Options:</i> <ul style="list-style-type: none"> - PHY 317K & PHY 105M General Physics I with Lab, OR - PHY 303K & PHY 105M Engineering Physics I with Lab, OR - PHY 301 & PHY 101L Mechanics I with Lab
Biology	<i>1-2 courses required, depending on sequence. Options:</i> <ul style="list-style-type: none"> - BIO 311C & BIO 311D Introductory Biology I & II, OR - BIO 315H Honors Introduction to Genetics
Ecology	<i>1 sequence required. Options:</i> <ul style="list-style-type: none"> - INB 373 & INB 373L Ecology & Ecology Field Lab¹, OR - MNS 320 & MNS 120L Marine Ecology & Marine Ecology Lab
Geological Sciences	<i>1 course required:</i> <ul style="list-style-type: none"> • GEO 401 Physical Geology or GEO 303 Introduction to Geology
Geography	<i>1 course required:</i> <ul style="list-style-type: none"> • GRG 412E Digital Earth
Environmental Science Courses	<i>2 courses required:</i> <ul style="list-style-type: none"> • EVS 301 Introduction to Environmental Science • EVS 311 Introductory Field Seminar
Earth System Science	<ul style="list-style-type: none"> • GEO 416W • One more course from approved list
Environment and Sustainability Course	<i>1 course required. See EVS Program Website or Office for approved course list.</i>
Geographic Information Systems	<i>1 course required.</i> <ul style="list-style-type: none"> - GRG 460G Environmental Geographic Systems, GRG 462K Intro Remote Sensing of Environment, GEO 327G GIS & GPS Applications in Earth Sci
Quantitative Skills and Data Analytics	<i>2 courses required. See EVS Program Website or Office for approved course list.</i> <ul style="list-style-type: none"> - SDS 320E or SDS 321*(BIO Track must take one of these courses and then one other course)
Capstone Research Experience	<i>2 courses required:</i> <ul style="list-style-type: none"> • EVS 271 Capstone Research Experience Prep, AND • EVS 371 Capstone Research Experience

¹ Biology track students are required to take the INB 373 and 373L option to complete this requirement.



**BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE (2020-2022 CATALOG)
TRACK-SPECIFIC COURSEWORK**

EVS-GEOGRAPHY TRACK

Major Requirements, EVS-Geography Track

30 hours of approved Geography coursework required, including 18 hours upper-division and 18 hours in residence:

Geographical Sciences	<u>1 course required:</u> <ul style="list-style-type: none"> GRG 401C The Natural Environment
Additional Geography Coursework	<u>26 hours required. See EVS Program Office or Website for approved course list.</u> Courses counted toward EVS Prescribed Work may also count toward this requirement.

Additional Prescribed Coursework, College of Liberal Arts

Foreign Language/Culture	<u>1-2 courses required, depending on sequence. Options:</u> <ul style="list-style-type: none"> Second-semester proficiency in a foreign language, OR Two foreign culture courses in the same category, OR Combination of foreign language and foreign culture in the same category <u>See EVS Program Office for approved course lists.</u>
Additional Social Science	<u>1 course required in addition to the core Social and Behavioral Science requirement.</u> <u>See COLA Student Division Office, or this site, for approved course list.</u>
Cultural Expression, Human Experience and Thought (CEHET)	<u>1 course required. See COLA Student Division Office, or this site, for approved CEHET course list.</u> A course counted toward any core curriculum requirement or any portion of the EVS Prescribed Work MAY NOT also count toward this requirement.

Flag Requirements, College of Liberal Arts

Writing Flags	<u>3 courses required, at least one must be upper-division</u> <ul style="list-style-type: none"> GRG 404E (EVS-GRG track option but not required)
Global Cultures Flag	<u>1 course required.</u>
Cultural Diversity in the U.S. Flag	<u>1 course required.</u>
Quantitative Reasoning Flag	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> Math or science course taken at UT for the EVS degree
Ethics Flag	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> GRG 404E (EVS-GRG track option)
Independent Inquiry Flag	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> EVS 371 (EVS Prescribed Work)

Degree Totals, EVS and College of Liberal Arts

126 hours total	
36 hours upper-division	
18 hours upper-division in residence	
60 hours in residence	



**BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE (2020-2022 CATALOG)
TRACK-SPECIFIC COURSEWORK**

EVS-GEOLOGY TRACK

Major Requirements, EVS-Geology Track

27-28 hours of coursework, including at least 12 upper-division hours of approved coursework in the Geological Sciences as follows:

Mathematics	<u>Multivariable calculus required. Options:</u> <ul style="list-style-type: none"> • M 408D (Sequences, Series, and Multivariable Calculus), OR • M 408M (Multivariable Calculus)
Base Geological Sciences	<u>2 courses required:</u> <ul style="list-style-type: none"> • GEO 416S • GEO 416E (recommended) or GEO 405
GEO Water and Climate	<u>1 course required. Options:</u> <ul style="list-style-type: none"> - GEO 347D (Global Warming) - GEO 347G (Climate System Modeling) - GEO 376E (Environmental Isotope Geochemistry) - GEO 371T (Paleoclimatology)- other with prior approval of faculty advisor - GEO 476K (Groundwater Hydrology) - GEO 476M (Chemical Hydrogeology) - GEO 376S (Physical Hydrology) - GEO 377P (Physical Climatology) <p>One course MAY NOT be used to fulfill other EVS requirements (EVS Prescribed) and the Climate & Water requirement</p>
GEO Field Course	<u>1 course required:</u> <ul style="list-style-type: none"> • GEO 348K Marine Geology/Geophysics • GEO 376L Field Methods in Groundwater Hydrology • GEO 660A or 660B Field Geology
Upper-Division GEO Electives	<u>9 hours of additional upper-division coursework in the Geological Sciences required.</u>

Flag Requirements, Jackson School of Geosciences

Writing Flags	<u>2 courses required.</u>
Global Cultures Flag	<u>1 course required.</u>
Cultural Diversity in the U.S. Flag	<u>1 course required.</u>
Quantitative Reasoning Flag	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> • Math or science course taken at UT for the EVS degree
Ethics Flag	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> • UGS 303 Sustaining a Planet (EVS Prescribed Work)
Independent Inquiry Flag	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> • EVS 371 (EVS Prescribed Work)

Degree Totals, EVS and Jackson School of Geosciences

126 hours total	
60 hours in residence	



**BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE (2020-2022 CATALOG)
TRACK-SPECIFIC COURSEWORK**

EVS-BIOLOGY TRACK

Major Requirements, EVS-Biology Track

26 hours of coursework, including at least 15 upper-division hours of approved coursework in Biology and the Environment as follows:

Statistics	<u>1 course required. Options:</u> <ul style="list-style-type: none"> • SDS 320E Elements of Statistics, OR • SDS 321 Introduction to Probability and Statistics
Genetics and Evolution	<u>2 courses required:</u> <ul style="list-style-type: none"> • BIO 325 (Genetics), AND • INB 370 (Evolution)
Conservation	<u>1 course required. Options:</u> <ul style="list-style-type: none"> - INB 351 (Economic Botany) - INB 375 (Conservation Biology) - MNS 352E (Marine Conservation Biology) - MNS 355E (Marine Fisheries Ecology) - MNS 356 (Ecosystem Oceanography)
Taxon-Based Diversity	<u>1 course/pair required. See EVS Program Office or website for approved course list.</u>
Physiology, Neurobiology, and Behavior	<u>1 course/pair required. See EVS Program Office or website for approved course list.</u>

Additional Prescribed Coursework, College of Natural Sciences

Foreign Language/Culture	<u>1-2 courses required, depending on sequence. Options:</u> <ul style="list-style-type: none"> • Second-semester proficiency in a foreign language, OR • Two foreign culture courses in the same category, OR • Combination of foreign language and foreign culture in the same category <i>See EVS Program Office, or CNS website, for approved course lists.</i>
---------------------------------	--

Flag Requirements, College of Natural Sciences

Writing Flags	<u>2 courses required, at least one must be upper-division. One typically fulfilled by:</u> <ul style="list-style-type: none"> • INB 373L Ecology Field Lab
Global Cultures Flag	<u>1 course required.</u>
Cultural Diversity in the U.S. Flag	<u>1 course required.</u>
Quantitative Reasoning Flag	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> • Math or science course taken at UT for the EVS degree
Ethics Flag	<u>1 course required.</u>
Independent Inquiry Flag	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> • EVS 371 (EVS Prescribed Work)

Degree Totals, EVS and College of Natural Sciences

126 hours total	
60 hours in residence	