



BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE (2016-2018 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>3 courses required:</i> <ul style="list-style-type: none"> • CH 301(H) (Principles of Chemistry I), AND • CH 302(H) (Principles of Chemistry II), AND • CH 204 (Introduction to Chemical Practice) 	
Physics	<i>1 pair required. Options:</i> <ul style="list-style-type: none"> - PHY 317K & PHY 117M (General Physics I with Lab), OR - PHY 303K & PHY 103M (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>2 courses required. Options:</i> <ul style="list-style-type: none"> - BIO 373 & BIO 373L (Ecology & Ecology Field Lab)¹, OR - MNS 320 & MNS 120L (Marine Ecology & Marine Ecology Lab), OR - BIO 337 & NSC 109 (Reefs & Rainforests Maymester – Australia) 	
Geological Sciences	<i>3 courses required:</i> <ul style="list-style-type: none"> • Geological Sciences course in Sustainability², AND • GEO 401 (Physical Geology) or GEO 303 or GRG 301C, AND • GEO 346C (Intro to Hydrogeology) 	
Geography	<i>1 course required:</i> <ul style="list-style-type: none"> • GRG 335N (Landscape Ecology) 	
Field Experience	<i>1 course required:</i> <ul style="list-style-type: none"> • EVS 311 (Introductory Field Seminar) 	
Research Methods	<i>1 course required:</i> <ul style="list-style-type: none"> • EVS 121 (Research Methods for Environmental Science) 	
Environmental and Sustainable Policy, Ethics, & History	<i>1 course required. See EVS Program Office for approved course list.</i>	
Geographic Information Systems (GIS)	<i>1 course required. Options:</i> <ul style="list-style-type: none"> - GRG 360G (Environmental Geographic Systems), OR - GRG 462K (Intro to Remote Sensing of the Environment), OR - GEO 327G (Geographic Information Systems) 	
Climates & Oceans	<i>1 course required. See EVS Program Office for approved course list.</i>	
Environmental Economics, Sustainability, & Business	<i>1 course required. Options:</i> <ul style="list-style-type: none"> - ECO 304K (Introduction to Microeconomics), OR - ECO 330T (Environmental Resources & Economic Growth) 	
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) 	
Senior Seminars	<i>2 courses required:</i> <ul style="list-style-type: none"> • EVS 141 (Professional Development Seminar), AND • EVS 151 (Research & Communication Seminar) 	

¹ Biology track students are required to take the BIO 373 and 373L option to complete this requirement. BIO 325 prerequisite for BIO 373 may be waived for EVS students in the geography and geology tracks.

² This requirement is traditionally satisfied through UGS 303 Sustaining a Planet.



**BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE (2016-2018 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>2 courses required:</u> <ul style="list-style-type: none"> • GRG 301C (The Natural Environment), AND • GRG 304E (A Changing World) 	
Additional Geography Coursework	<u>8 courses (24 hours) required. See EVS Program Office 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 Program Office for approved course list.</u>	
Cultural Expression, Human Experience and Thought (CEHET)	<u>1 course required. See EVS Program Office 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. 2 writing flags typically fulfilled by:</u> <ul style="list-style-type: none"> - GRG 304E (EVS-GRG track) - EVS 121 (EVS Prescribed Work) 	
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 and Leadership Flag	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> - GRG 304E (EVS-GRG track) 	
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 (2016-2018 CATALOG)
TRACK-SPECIFIC COURSEWORK**

EVS-GEOLOGY TRACK

Major Requirements, EVS-Geology Track

36 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> - M 408D (Sequences, Series, and Multivariable Calculus), OR - M 408M (Multivariable Calculus)	
Physics	<u>1 pair required. Options:</u> - PHY 317L & 117N (General Physics II with Lab), OR - PHY 303L & 103N (Engineering Physics II with Lab), OR - PHY 316 & 116L (Electricity and Magnetism with Lab)	
Geological Sciences	<u>4 courses required:</u> • GEO 405 (Life Through Time), AND • GEO 416K (Earth Materials), AND • GEO 416M (Sedimentary Rocks), AND • GEO 420K (Intro to Field & Stratigraphic Methods)	
Climate & Water	<u>1 course required. Options:</u> - GEO 338J (Marine Geology) - GEO 347D (Global Warming) - GEO 347G (Climate System Modeling) - GEO 376E (Environmental Isotope Geochemistry) - GEO 476K (Groundwater Hydrology) - GEO 476M (Chemical Hydrogeology) - GEO 376S (Physical Hydrology) - GEO 377P (Physical Climatology) One course MAY NOT be used to fulfill both the EVS Climates & Oceans requirement (EVS Prescribed) and the Climate & Water requirement	
Upper-Division GEO Electives	<u>3 courses (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. 1 writing flag typically fulfilled by:</u> - EVS 121 (EVS Prescribed Work)	
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> - Math or science course taken at UT for the EVS degree	
Ethics and Leadership Flag	<u>1 course required. Typically fulfilled by:</u> - UGS 303 Sustaining a Planet (EVS Prescribed Work)	
Independent Inquiry Flag	<u>1 course required. Typically fulfilled by:</u> - 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 (2016-2018 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> - SDS 328M (Biostatistics), OR - SDS 321 (Introduction to Probability and Statistics)	
Genetics and Evolution	<u>2 courses required:</u> • BIO 325 (Genetics), AND • BIO 370 (Evolution)	
Conservation	<u>1 course required. Options:</u> - BIO 351 (Economic Botany) - BIO 359 (Global Environmental Change) - BIO 375 (Conservation Biology) - MNS 352 (Topic: Concepts in Conservation Biology) - MNS 353 (Topic: Fisheries Ecology)	
Taxon-Based Diversity	<u>1 course/pair required. See EVS Program Office for approved course list.</u>	
Physiology, Neurobiology, and Behavior	<u>1 course/pair required. See EVS Program Office 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> - 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>	
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Flag Requirements, College of Natural Sciences

Writing Flags	<u>2 courses required, at least one must be upper-division. Typically fulfilled by:</u> - EVS 121 (EVS Prescribed Work) - BIO 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> - Math or science course taken at UT for the EVS degree	
Ethics and Leadership Flag	<u>1 course required. Typically fulfilled by:</u> - UGS 303 Sustaining a Planet (EVS Prescribed Work)	
Independent Inquiry Flag	<u>1 course required. Typically fulfilled by:</u> - EVS 371 (EVS Prescribed Work)	

Degree Totals, EVS and College of Natural Sciences

126 hours total	
60 hours in residence	