



**BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE (2018-2020 CATALOG)**  
**PRESCRIBED WORK: REQUIRED BY ALL THREE TRACKS IN THE EVS PROGRAM**

<b>University Core Curriculum</b>	<i>42 hours required. See EVS Program Office for approved course list.</i> <b>Some EVS Prescribed Work will satisfy core requirements.</b>
<b>Mathematics</b>	<i>Differential and integral calculus required. Options:</i> <ul style="list-style-type: none"> <li>- M 408C (Differential &amp; Integral Calculus), <b>OR</b></li> <li>- M 408K <b>or</b> N <b>AND</b> M 408L <b>or</b> S (Differential Calculus and Integral Calculus)</li> </ul>
<b>Chemistry</b>	<i>3 courses required:</i> <ul style="list-style-type: none"> <li>• CH 301(H) (Principles of Chemistry I), <b>AND</b></li> <li>• CH 302(H) (Principles of Chemistry II), <b>AND</b></li> <li>• CH 204 (Introduction to Chemical Practice)</li> </ul>
<b>Physics</b>	<i>1 pair required. Options:</i> <ul style="list-style-type: none"> <li>- PHY 317K &amp; PHY 117M (General Physics I with Lab), <b>OR</b></li> <li>- PHY 303K &amp; PHY 103M (Engineering Physics I with Lab), <b>OR</b></li> <li>- PHY 301 &amp; PHY 101L (Mechanics I with Lab)</li> </ul>
<b>Biology</b>	<i>1-2 courses required, depending on sequence. Options:</i> <ul style="list-style-type: none"> <li>- BIO 311C &amp; BIO 311D (Introductory Biology I &amp; II), <b>OR</b></li> <li>- BIO 315H (Honors Introduction to Genetics)</li> </ul>
<b>Ecology</b>	<i>2 courses required. Options:</i> <ul style="list-style-type: none"> <li>- BIO 373 &amp; BIO 373L (Ecology &amp; Ecology Field Lab)<sup>1</sup>, <b>OR</b></li> <li>- MNS 320 &amp; MNS 120L (Marine Ecology &amp; Marine Ecology Lab), <b>OR</b></li> <li>- BIO 337 &amp; NSC 109 (Reefs &amp; Rainforests Maymester – Australia)</li> </ul>
<b>Geological Sciences</b>	<i>3 courses required:</i> <ul style="list-style-type: none"> <li>• Geological Sciences course in Sustainability<sup>2</sup>, <b>AND</b></li> <li>• GEO 401 (Physical Geology) <b>or</b> GEO 303 <b>or</b> GRG 401C, <b>AND</b></li> <li>• GEO 346C (Intro to Hydrogeology)</li> </ul>
<b>Geography</b>	<i>1 course required:</i> <ul style="list-style-type: none"> <li>• GRG 335N (Landscape Ecology)</li> </ul>
<b>Field Experience</b>	<i>1 course required:</i> <ul style="list-style-type: none"> <li>• EVS 311 (Introductory Field Seminar)</li> </ul>
<b>Research Methods</b>	<i>1 course required:</i> <ul style="list-style-type: none"> <li>• EVS 121 (Research Methods for Environmental Science)</li> </ul>
<b>Environmental and Sustainable Policy, Ethics, &amp; History</b>	<i>1 course required. See EVS Program Office for approved course list.</i>
<b>Geographic Information Systems (GIS)</b>	<i>1 course required. Options:</i> <ul style="list-style-type: none"> <li>- GRG 460G (Environmental Geographic Systems), <b>OR</b></li> <li>- GRG 462K (Intro to Remote Sensing of the Environment), <b>OR</b></li> <li>- GEO 327G (Geographic Information Systems)</li> </ul>
<b>Climates &amp; Oceans</b>	<i>1 course required. See EVS Program Office for approved course list.</i>
<b>Environmental Economics, Sustainability, &amp; Business</b>	<i>1 course required:</i> <ul style="list-style-type: none"> <li>• ECO 304K (Introduction to Microeconomics)</li> </ul>
<b>Capstone Research Experience</b>	<i>2 courses required:</i> <ul style="list-style-type: none"> <li>• EVS 271 (Capstone Research Experience Prep), <b>AND</b></li> <li>• EVS 371 (Capstone Research Experience)</li> </ul>
<b>Senior Seminars</b>	<i>2 courses required:</i> <ul style="list-style-type: none"> <li>• EVS 141 (Professional Development Seminar), <b>AND</b></li> <li>• EVS 151 (Research &amp; Communication Seminar)</li> </ul>

<sup>1</sup> Biology track students are required to take the BIO 373 and 373L option to complete this requirement.

<sup>2</sup> This requirement is traditionally satisfied through UGS 303 Sustaining a Planet.



**BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE (2018-2020 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:*

<b>Geographical Sciences</b>	<u>2 courses required:</u> <ul style="list-style-type: none"> <li>GRG 401C (The Natural Environment), <b>AND</b></li> <li>GRG 404E (A Changing World)</li> </ul>
<b>Additional Geography Coursework</b>	<u>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***

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

***Flag Requirements, College of Liberal Arts***

<b>Writing Flags</b>	<u>3 courses required, at least one must be upper-division. 2 writing flags typically fulfilled by:</u> <ul style="list-style-type: none"> <li>GRG 404E (EVS-GRG track)</li> <li>EVS 121 (EVS Prescribed Work)</li> </ul>
<b>Global Cultures Flag</b>	<u>1 course required.</u>
<b>Cultural Diversity in the U.S. Flag</b>	<u>1 course required.</u>
<b>Quantitative Reasoning Flag</b>	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> <li>Math or science course taken at UT for the EVS degree</li> </ul>
<b>Ethics Flag</b>	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> <li>GRG 404E (EVS-GRG track)</li> </ul>
<b>Independent Inquiry Flag</b>	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> <li>EVS 371 (EVS Prescribed Work)</li> </ul>

***Degree Totals, EVS and College of Liberal Arts***

<b>126 hours total</b>	
<b>36 hours upper-division</b>	
<b>18 hours upper-division in residence</b>	
<b>60 hours in residence</b>	



**BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE (2018-2020 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:*

<b>Mathematics</b>	<u>Multivariable calculus required. Options:</u> <ul style="list-style-type: none"> <li>• M 408D (Sequences, Series, and Multivariable Calculus), <b>OR</b></li> <li>• M 408M (Multivariable Calculus)</li> </ul>
<b>Physics</b>	<u>1 pair required. Options:</u> <ul style="list-style-type: none"> <li>• PHY 317L &amp; 117N (General Physics II with Lab), <b>OR</b></li> <li>• PHY 303L &amp; 103N (Engineering Physics II with Lab), <b>OR</b></li> <li>• PHY 316 &amp; 116L (Electricity and Magnetism with Lab)</li> </ul>
<b>Geological Sciences</b>	<u>4 courses required:</u> <ul style="list-style-type: none"> <li>• GEO 405 (Life Through Time), <b>AND</b></li> <li>• GEO 416K (Earth Materials), <b>AND</b></li> <li>• GEO 416M (Sedimentary Rocks), <b>AND</b></li> <li>• GEO 420K (Intro to Field &amp; Stratigraphic Methods)</li> </ul>
<b>Climate &amp; Water</b>	<u>1 course required. Options:</u> <ul style="list-style-type: none"> <li>- GEO 338J (Marine Geology)</li> <li>- GEO 347D (Global Warming)</li> <li>- GEO 347G (Climate System Modeling)</li> <li>- GEO 376E (Environmental Isotope Geochemistry)</li> <li>- GEO 371T (Paleoclimatology)</li> <li>- GEO 476K (Groundwater Hydrology)</li> <li>- GEO 476M (Chemical Hydrogeology)</li> <li>- GEO 376S (Physical Hydrology)</li> <li>- GEO 377P (Physical Climatology)</li> </ul> <p><b>One course MAY NOT be used to fulfill both the EVS Climates &amp; Oceans requirement (EVS Prescribed) and the Climate &amp; Water requirement</b></p>
<b>Upper-Division GEO Electives</b>	<u>9 hours of additional upper-division coursework in the Geological Sciences required.</u>

**Flag Requirements, Jackson School of Geosciences**

<b>Writing Flags</b>	<u>2 courses required. 1 writing flag typically fulfilled by:</u> <ul style="list-style-type: none"> <li>• EVS 121 (EVS Prescribed Work)</li> </ul>
<b>Global Cultures Flag</b>	<u>1 course required.</u>
<b>Cultural Diversity in the U.S. Flag</b>	<u>1 course required.</u>
<b>Quantitative Reasoning Flag</b>	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> <li>• Math or science course taken at UT for the EVS degree</li> </ul>
<b>Ethics Flag</b>	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> <li>• UGS 303 Sustaining a Planet (EVS Prescribed Work)</li> </ul>
<b>Independent Inquiry Flag</b>	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> <li>• EVS 371 (EVS Prescribed Work)</li> </ul>

**Degree Totals, EVS and Jackson School of Geosciences**

<b>126 hours total</b>	
<b>60 hours in residence</b>	



**BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE (2018-2020 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:*

<b>Statistics</b>	<u>1 course required. Options:</u> <ul style="list-style-type: none"> <li>• SDS 328M (Biostatistics), <b>OR</b></li> <li>• SDS 321 (Introduction to Probability and Statistics)</li> </ul>
<b>Genetics and Evolution</b>	<u>2 courses required:</u> <ul style="list-style-type: none"> <li>• BIO 325 (Genetics), <b>AND</b></li> <li>• BIO 370 (Evolution)</li> </ul>
<b>Conservation</b>	<u>1 course required. Options:</u> <ul style="list-style-type: none"> <li>- BIO 351 (Economic Botany)</li> <li>- BIO 359 (Global Environmental Change)</li> <li>- BIO 375 (Conservation Biology)</li> <li>- MNS 352 (Topic: Concepts in Conservation Biology)</li> <li>- MNS 353 (Topic: Fisheries Ecology)</li> </ul>
<b>Taxon-Based Diversity</b>	<u>1 course/pair required. See EVS Program Office for approved course list.</u>
<b>Physiology, Neurobiology, and Behavior</b>	<u>1 course/pair required. See EVS Program Office for approved course list.</u>

***Additional Prescribed Coursework, College of Natural Sciences***

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

<b>Writing Flags</b>	<u>2 courses required, at least one must be upper-division. Typically fulfilled by:</u> <ul style="list-style-type: none"> <li>• EVS 121 (EVS Prescribed Work)</li> <li>• BIO 373L (Ecology Field Lab)</li> </ul>
<b>Global Cultures Flag</b>	<u>1 course required.</u>
<b>Cultural Diversity in the U.S. Flag</b>	<u>1 course required.</u>
<b>Quantitative Reasoning Flag</b>	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> <li>• Math or science course taken at UT for the EVS degree</li> </ul>
<b>Ethics Flag</b>	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> <li>• UGS 303 Sustaining a Planet (EVS Prescribed Work)</li> </ul>
<b>Independent Inquiry Flag</b>	<u>1 course required. Typically fulfilled by:</u> <ul style="list-style-type: none"> <li>• EVS 371 (EVS Prescribed Work)</li> </ul>

***Degree Totals, EVS and College of Natural Sciences***

<b>126 hours total</b>	
<b>60 hours in residence</b>	