

**Bachelor of Science (BS)**  
**Degree Code 604\***  
**Concentration 604D**  
**Non-Teaching**

**Program of Study for Sustainable Development Majors Environmental Studies**

**I. GENERAL EDUCATION ..... 44**  
 (SD 2400, PHL 2015, PHY 1830, and/or TEC 2029 up to 9 SH taken for the major may be used in GEN ED: ILE; TEC 2601 if taken for the major may be used in GEN ED: LSE; STT 2820 taken for the major may count in GEN ED: Quantitative Literacy)

**II. MAJOR REQUIREMENTS ..... 70 - 71**  
**2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in fulfillment of the major requirements. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.**

**Required SD Core (24 sh)**

- S D 2400 \_\_\_\_ (3) Principles of Sustainable Development (F;S) (GEN ED: ILE: Sustainability & Global Resources)
- S D 2610 \_\_\_\_ (3) Science for Sustainability (F;S)
- S D 2700 \_\_\_\_ (3) Development Theory and Practice (F)
- S D 2800 \_\_\_\_ (3) Environmental Justice & Sustainability (F)
- OR
- PHL 2015 \_\_\_\_ (3) Environmental Ethics (F;S) (GEN EDU: ILE: Sustainability & Global Resources)
- S D 3100 \_\_\_\_ (3) Principles of Agroecology (F;S)
- S D 3125 \_\_\_\_ (3) Applied Farm Operations I (F;S) (Prerequisite/Corequisite: SD 3100)
- S D 3800 \_\_\_\_ (3) Classics in Sustainable Development (F) (WID) (Prerequisite: RC 2001 or equivalent)
- S D 4550 \_\_\_\_ (3) Senior Seminar (CAP) (F;S)

Major courses that may count in Gen Ed:  
 SD 2400 (3) ILE: Sustain & Global Resources  
 PHL 2015 (3) ILE: Sustain & Global Resources  
 PHY 1830 (3) ILE: Sustain & Global Resources  
 TEC 2029 (3) ILE: Sustain & Global Resources; SS  
 TEC 2601 (3) Liberal Studies Experience  
 STT 2820 (4) Quantitative Literacy

Total Major Hours: 70 -71  
 Gen Ed up to: \_\_\_\_-16  
 Net Major Hours: 54 - 55

**III. ENVIRONMENTAL STUDIES CONCENTRATION (46 - 47 sh)**  
 No course used in above core or major requirements may be used in this concentration.

**A. Required Environmental Studies Core (19 sh)**

- PHY 1830 \_\_\_\_ (3) The Physical Principles of Energy and Sustainability (Gen Ed: ILE: Sustainability & Global Resources)
- OR
- TEC 2601 \_\_\_\_ (3) Energy Issues and Technology (Gen Ed: Liberal Studies Experience)
- TEC 2029 \_\_\_\_ (3) Society and Technology (Gen Ed: ILE: Sustainability & Global Resources; Social Science Designation)
- STT 2820 \_\_\_\_ (4) Reasoning with Statistics (Gen Ed: Quantitative Literacy)
- S D 3610 \_\_\_\_ (3) Issues in Environmental Sustainability (F) (Prerequisite: SD 2610)
- S D 3750 \_\_\_\_ (3) Nature, Technology, & Environment (F) (Prerequisite: TEC 2029)
- P S 4670 \_\_\_\_ (3) Environmental Politics

**B. Electives (12 - 13 sh)**

**Electives must be chosen in consultation with your SD advisor, and must include courses that address the natural science dimensions of environmental issues and courses that address the social science or humanities dimensions of environmental issues (see examples on the SD website, sd.appstate.edu).**

\_\_\_\_\_ (3) \_\_\_\_\_ (3) \_\_\_\_\_

\_\_\_\_\_ (3) \_\_\_\_\_ (3) \_\_\_\_\_

**C. Focus Area (9 sh)**

The Focus Area is made up of courses that form a single, coherent emphasis relevant to the student’s area of interest such as Sustainable Agriculture, Renewable Energy Technology, Globalization and Development, Ecology, Environmental Policy and Politics, etc. (see samples on the SD website, [www.sd.appstate.edu](http://www.sd.appstate.edu)). Credit hours from study abroad, an internship, or an advanced internship may be used in the student’s Focus Area, as appropriate. Courses counted toward other major requirements may not be counted in the Focus Area. **Your SD advisor must approve all courses for this requirement.**

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**D. Skills Area (6 sh)**

The Skills Area is made up of courses offered throughout the University that provide useful skills for Environmental Studies. (see samples on the SD website, [www.sd.appstate.edu](http://www.sd.appstate.edu)). Courses counted toward other major requirements may not be counted in the Skills Area. **Your SD advisor must approve all courses for this requirement.**

\_\_\_\_\_ (3) \_\_\_\_\_ (3) \_\_\_\_\_

**IV. MINOR (Optional) (9 sh of a minor must be completed at Appalachian)**

**IV. FREE ELECTIVES (taken to total 122 sh for the degree) ..... 8 - 23**  
**2 sh of free electives outside the major discipline are required. 122**