

Curriculum Guide for AS to BS Environmental Science at WCU

Freshman/First Year

| 1st Semester* | | | | | 2nd Semester | | | | |
|----------------------|-----------------------|---------|--------------|----------------|----------------------------|-----------------------|---------|--------------|----------------|
| Fall | | | | | Spring | | | | |
| CC Course | WCU Course Equivalent | LS Cat. | Credit Hours | Required/Notes | CC Course | WCU Course Equivalent | LS Cat. | Credit Hours | Required/Notes |
| ENG 111 | ENGL 101 | C1 | 3 | | ENG 112 | ENGL 202 | C1 | 3 | |
| MAT 171 | MATH 146 | C2 | 4 | Required | COM 231 | COMM 201 | C3 | 3 | Preferred |
| History | History | P3 | 3 | Preferred | BIO 112 | BIO 141 | | 4 | Required |
| Humanities/Fine Arts | Humanities | P4 | 3 | | MAT 172 | MATH 145 | | 4 | |
| BIO 111 | BIOL 140 | C5 | 4 | Required | Social/Behavioral Sciences | Social Sciences | P1 | 3 | |
| ACA 122 | USI 130 | | 1 | | | | | | |
| Total Credit Hours | | | | | Total Credit Hours | | | | |
| 18 | | | | | 17 | | | | |

*This assumes placement into college level courses. This is only meant to be a guide. Please see your academic advisor to develop your individual plan.

Sophomore/Second Year

| 3rd Semester | | | | | 4th Semester | | | | |
|-------------------------------------|-----------------------|---------|--------------|----------------|--------------------------------|-----------------------|---------|--------------|----------------|
| Fall | | | | | Spring | | | | |
| CC Course | WCU Course Equivalent | LS Cat. | Credit Hours | Required/Notes | CC Course | WCU Course Equivalent | LS Cat. | Credit Hours | Required/Notes |
| HEA 110/PED 110/Other Elective | Wellness | C4 | 3 | | Social/Behavioral Sciences | Social Sciences | P1 | 3 | |
| Other Elective | Elective | | 3 | | Other Elective | Elective | | 3 | |
| Social Science (Global Perspective) | World Cultures | P6 | 3 | | Other Elective | Elective | | 3 | |
| CHM 151/Gen. Ed/UGETC Elective | CHEM 139 | C5 | 4 | Required | CHM 152/Gen. Ed/UGETC Elective | CHEM 140 | | 4 | Required |
| Total Credit Hours | | | | | Total Credit Hours | | | | |
| 13 | | | | | 13 | | | | |

Suggested Course Sequence to transfer from NCCCS
Junior/Third Year (at WCU)

| 5th Semester | | Fall | | 6th Semester | | Spring | |
|--------------------|--|--------------|-------|-------------------------|---|--------------|-------|
| WCU Course | Course Title | Credit Hours | Notes | WCU Course | Course Title | Credit Hours | Notes |
| BIOL 240 | Introduction to Genetics | 4 | | BIOL 241 | Introduction to Ecology and Evolution | 3 | |
| ES 150 | Introduction & Approaches to Environmental Science | 4 | | ES 350 | Seminar in Energy, Economics, & the Environment | 1 | |
| ES 250 | Seminal Readings in Environmental Sciences | 1 | | GEOG 221 | Intro. To Geospatial Analysis | 3 | |
| GEOL 150 | Methods in Geology | 4 | | ENVH 310/375/440 | Environmental Health Elective | 3 | |
| Gen. Elective | | 3 | | Upper Division Elective | | 4 | |
| Total Credit Hours | | 16 | | Total Credit Hours | | 14 | |

Senior/Fourth Year

| 7th Semester | | Fall | | 8th Semester | | Spring | |
|-------------------------|--|--------------|-------|----------------------------------|--|--------------|-------|
| WCU Course | Course Title | Credit Hours | Notes | WCU Course | Course Title | Credit Hours | Notes |
| ES 495 | Senior Research Seminar in Environmental Science | 3 | | Quantitative Methods | BIOL 467/CHEM 232/MATH 270/ENVH 470 | 3 or 4 | |
| Policy Elective | Environmental Policy Elective | 3 | | Field & Natural Environ. Science | BIOL 435/GEOL 305/GEOL 302/BIOL 375 | 4 | |
| Upper Division Elective | | 3 or 4 | | Analytical/Instrumentation | CHEM 330/CHEM 331/GEOL 465/ENVH 450/ENVH 311 | 3 or 4 | |
| Upper Division Elective | | 3 or 4 | | Upper Division Elective | | 3 or 4 | |
| Gen. Elective | | 3 | | | | | |
| Total Credit Hours | | 15-17 | | Total Credit Hours | | 13-16 | |

Total Credit Hours 120-125

Reminder: 30 hours of 300-400 level courses must be taken at WCU.

<http://www.wcu.edu/academics/departments-schools-colleges/cas/casdepts/chemphys/academic-programs/esmht/environmental-science-curriculum.asp>

UGETC=purple shading

Gen. Ed.=beige shading

rev. 9/2/14
Other required hours=blue shading