

# Natural Resources (BS): Soil, Water, and Land Use (11NATRLBS-11NATRLNRW)

## Freshman Year

Fall Semester	Credit	Spring Semester	Credit
ALS 103 Freshman Transitions & Diversity <b>OR</b> ALS 303 Transfer Transitions & Diversity	1	CH 101 Chemistry - A Molecular Science	3
BIO 181 Intro. Biol: Ecology, Evolution, Biodiversity	4	CH 102 General Chemistry Lab	1
ENG 101 Academic Writing & Research	4	MA 231 Calculus for Life & Mgmt Sci	1
MA 131 Calculus for Life & Mgmt Sci A	3	GEP Humanities Requirement Elective <sup>C</sup>	3
Foundation Elective <sup>1</sup>	3	AEC 360 Intro to Ecology	4
CSSC 290 - Professional Development in Crop & Soil Sciences	1	GEP Physical Education/ Healthy Living Elective <sup>E</sup>	1
	16		15

## Sophomore Year

Fall Semester	Credit	Spring Semester	Credit
ARE 201 Intro Agri & Res Economics	3	MEA 101 Geology I Physical	3
GEP Physical Education/Healthy Living Elective <sup>E</sup>	1	MEA 110 Geology I Lab	1
SSC 200 Soil Science	3	PY 131 Conceptual Physics	4
SSC 201 Soil Science Laboratory	1	SSC 341 Soil Fertility & Nutrient Management	3
ST 311 Intro to Statistics	3	Economics, Management and Policy Elective <sup>3</sup>	3
Plant Science Elective <sup>6</sup>	3	GEP Interdisciplinary Perspectives Elective <sup>6</sup>	2
COM 110 Public Speaking <b>or</b> COM 112 Interpersonal Communications	3		
	17		16

## Junior Year

Fall Semester	Credit	Spring Semester	Credit
SSC 342 Soil and Plant Nutrient Analysis	1	NR 300 Natural Resource Measurements	4
SSC 461 Soil Physical Properties & Plant Growth	3	SSC 452 Soil Classification	4
Advanced Chemistry Elective <sup>2</sup>	3-4	Geospatial Technologies Elective <sup>4</sup>	3
Land Use Elective <sup>5</sup>	3	Water, Wetlands, and Ecology Elective <sup>7</sup>	3
Economics, Management and Policy Elective <sup>3</sup>	3		
	13-14		14

## Senior Year

Fall Semester	Credit	Spring Semester	Credit
Experiential Learning Elective	3	Free Elective	3-4
ENG 331 Comm for Engineering and Tech <b>or</b> ENG 332 Comm for Business & Management <b>or</b> ENG 333 Comm for Science & Research	3	CSSC 490 Senior Seminar in Crop and Soil Science	1
GEP Humanities Elective <sup>C</sup>	3	Land Use Elective <sup>5</sup>	3
GEP Additional Breadth Elective <sup>F</sup>	3	Water, Wetlands, and Ecology Elective <sup>7</sup>	3
GEP Social Sciences Elective <sup>D</sup>	3	Plant Science Elective <sup>6</sup>	3
	15		13-14

## Major/Program Footnotes

**1 Foundation Elective:** Select from ES 150, FW 221, or SSC 185.

**2 Advanced Chemistry Elective:** Select from CH 201 AND CH 202; CH 220 AND CH 222; or SSC 442.

**3 Economics, Management and Policy Electives:** Select from ARE 215, ARE 306, ARE 309, ARE 312, ARE 332, ARE 336, CS 418, NR 460, PS 201, PS 202, or PS 320.

**4 Geospatial Technologies Electives:** Select from BAE 325, FOR 353, GIS 280, GIS 512, SSC 440, or SSC 545.

**5 Land Use Electives:** Select from MEA 300, MEA 481, NR 400, NR 484, NR 510, SSC 410, SSC 421, SSC 427, SSC 455, or SSC 462.

**6 Plant Science Electives:** Select from CS 213, CS 230, CS 312, FOR 220, FOR 339, FOR 252, PB 200, PB 220, or PB 321.

**7 Water, Wetlands and Ecology Electives:** Select from AEC 400, AEC 419, AES 323, FOR 260, NR 420, NR 420, SSC 332, or SSC 470.

**8 Experiential Learning Elective:** Select from CSSC 492 or CSSC 493

**\*General Education Program (GEP) requirements and GEP Footnotes** To complete the requirements for graduation and the General Education Program, the following category credit hours and co-requisites must be satisfied. University approved GEP course lists for each of the following categories can be found at <http://oucc.dasa.ncsu.edu/general-education-program/>.

**A. Mathematical Sciences** (6 credit hours – one course with MA or ST prefix) *Choose from the University approved GEP Mathematical Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: MA 131, MA 132, MA 231, ST 311*

**B. Natural Sciences** (7 credit hours – include one laboratory course or course with a lab) *Choose from the University approved GEP Natural Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: CH 101, CH 102, CH 201, CH 202, BIO 181, PB 200, PB 360, PB 365, MEA 101, MEA 110, PY 211*

**C. Humanities** (6 credit hours selected from two different disciplines/course prefixes) *Choose from the University approved GEP Humanities course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: ENG 332 or 333*

**D. Social Sciences** (6 credit hours selected from two different disciplines/course prefixes) *Choose from the University approved GEP Social Sciences course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: 3 hours are met by the ARE 201. 3 hours are met by PS 201 or PS 202, if chosen. 3 credit hours are met by COM 112 if chosen.*

**E. Health & Exercise Studies** (2 credit hours – at least one 100-level Health & Exercise Studies Course) *Choose from the University approved GEP Health & Exercise Studies course list.*

**F. Additional Breadth** - (3 credit hours to be selected from the following checked University approved GEP course lists) X Humanities/Social Sciences/Visual and Performing Arts or \_\_\_ Mathematical Sciences/Natural Sciences/Engineering

**G. Interdisciplinary Perspectives** (5-6 credit hours) *Choose from the University approved GEP Interdisciplinary Perspectives course list or the following course(s) if completed as part of the Major requirements may fulfill part or all of this requirement: 3 hours are met by ES 150 or FW 221 or SSC 185*  
**In the Foundation Elective requirement.**

**H. Introduction to Writing** (4 credit hours satisfied by completing ENG 101 with a C- or better)

The following **Co-Requisites** must be satisfied to complete the General Education Program requirements

**I. U.S. Diversity (USD)** *Choose from the University approved GEP U.S. Diversity course list or choose a course identified on the approved GEP course lists as meeting the U.S. Diversity (USD) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **None***

**J. Global Knowledge (GK)** *Choose from the University approved GEP Global Knowledge course list or choose a course identified on the approved GEP course lists as meeting the Global Knowledge (GK) co-requisite. The following course(s) completed as part of the Major requirements may fulfill this requirement: **None***

**K. Foreign Language proficiency** - Proficiency at the FL\_102 level is required for graduation.