

# Natural Resources – Soil, Water, and Land Use

NC Community College Pathway for Bachelor of Science degree in Natural Resources  
with a concentration in Soil, Water, and Land Use (11NATRLBS-11NATRLNRW)

This pathway plan assumes the student has placed out of all developmental and prerequisite courses. North Carolina Community College classes are listed below in **bold** with the fulfilled NC State degree requirement listed next to the course. While a pathway for transition to NC State, this guide should be used for advising purposes only. Questions related to the community college courses should be directed to a community college advisor. Questions related to NC State courses can be directed to the [cropsoil-undergraduate-office@ncsu.edu](mailto:cropsoil-undergraduate-office@ncsu.edu)

NC COMMUNITY COLLEGE FIRST YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
<b>ENG 111</b> – ENG 101 Academic Writing and Research	3	<b>ENG 112</b> – GEP Requirement	3
<b>MAT 271</b> – Calculus I	4	<b>MAT 272</b> – Calculus II	4
<b>BIO 112</b> – BIO 181 Intro to Biology: Ecol, Evol, and Biodiversity	4	<b>POL 120</b> or <b>POL 130</b> – Economics, Management and Policy Elective <sup>3</sup>	3
<b>COM 120</b> or <b>231</b> – COM 110 Public Speaking or COM 112 Interpersonal Communications	3	Humanities GEP Elective <sup>a</sup>	3
<b>ACA 122</b> – Free Elective	1	Social Sciences GEP Elective <sup>b</sup>	3
Total:		Total:	
<b>15</b>		<b>16</b>	

## Apply to NC STATE UNIVERSITY

NC COMMUNITY COLLEGE SECOND YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
<b>CHM 151</b> – CH 101 & 102 General Chemistry & Lab	4	<b>PHY 110 &amp; 110A</b> – PY 131 Conceptual Physics	4
<b>ECO 251</b> – ARE 201 Intro to Agricultural and Resource Economics	3	<b>GEL 111</b> – MEA 110 & 111 Geology	4
<b>HUM 110</b> – Interdisciplinary Perspectives GEP Elective	3	Humanities GEP Elective <sup>a</sup>	3
<b>MAT 152</b> – ST 311 Intro to Statistics	3	Free Electives <sup>d</sup>	4
Additional Breadth GEP Elective <sup>c</sup>	3		
Total:		Total:	
<b>16</b>		<b>15</b>	

NC STATE UNIVERSITY JUNIOR YEAR			
FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
ALS 303 Transfer Transitions & Diversity	1	AEC 360 Ecology	4
CSSC 290 Professional Development in Plant and Soil Sciences	1	NR 300 Natural Resources Measurements	4
Foundation Elective <sup>1</sup>	3	SSC 452 Soil Classification	4
Geospatial Technologies Elective <sup>4</sup>	3	Economics, Management and Policy Elective <sup>3</sup>	3
Plant Science Elective <sup>6</sup>	3	Physical Education/Healthy Living Elective	1
SSC 200 Soil Science	3		
SSC 201 Soil Science Laboratory	1		
Physical Education/Healthy Living Elective	1		
Total:		Total:	
<b>16</b>		<b>16</b>	

**NC STATE UNIVERSITY SENIOR YEAR**

FALL SEMESTER	CREDITS	SPRING SEMESTER	CREDITS
SSC 341 Soil Fertility & Nutrient Management	3	SSC 342 Soil & Plant Nutrient Analysis	1
SSC 461 Soil Physical Properties & Plant Growth	3	Advanced Chemistry Elective <sup>2</sup>	3
Water, Wetlands, and Ecology Elective <sup>7</sup>	3	Land Use Elective <sup>5</sup>	3
Land Use Elective <sup>5</sup>	3	Water, Wetlands, and Ecology Elective <sup>7</sup>	3
Experiential Learning Elective <sup>5</sup>	3	Plant Science Elective <sup>6</sup>	3
		CSSC 490 Senior Seminar	1
		ENG 331 Comm for Engineering & Technology or	3
		ENG 332 Comm for Business & Management or	
		ENG 333 Comm for Science & Research	
Total:	<b>15</b>	Total:	<b>17</b>

**Major/Program Footnotes:**

<sup>1</sup> Foundation Elective: Select from ES 150, FW 221, or SSC 185.

<sup>2</sup> Advanced Chemistry Elective: Select from CH 201 AND CH 202; CH 220 AND CH 222; or SSC 442.

<sup>3</sup> 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.

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

<sup>5</sup> 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.

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

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

<sup>8</sup> Experiential Learning Elective: Select from CSSC 492 or CSSC 493

**Transfer Translator**

Community College Course	NC State Course Equivalent
<sup>a</sup> <b>Humanities GEP Electives (total of 6 credits required)</b> <i>Choose two courses from different disciplines</i>	
ENG 231 American Literature I	ENG 265
ENG 232 American Literature II	ENG 266
ENG 233 Major American Writers	ENG 252
ENG 241 British Literature I	ENG 262
ENG 242 British Literature II	ENG 262
ENG 243 Major British Writers	ENG 251
ENG 251 West World Literature I	ENG 221
ENG 252 West World Literature II	ENG 222
ENG 273 African-Amer Lit	ENG 248
ENG 275 Science Fiction	ENG 376
HIS 111* or HIS 121 World or West Civ. I	HI 207
HIS 112 World Civilization II	HI 205
HIS 212 Medieval History	HI 208
HIS 213 Modern Europe to 1815	HI 209
HIS 214 Modern Europe since 1815	HI 210
HIS 121 Western Civilization I	HI 207
HIS 122 Western Civilization II	Hi 205
HIS 131 American History I	HI 251
HIS 132 American History II	HI 252
HIS 165 Twentieth Century World	HI 233
HIS 211 Ancient History	HI 207
HIS 212 Medieval History	HI 208
HIS 213 Modern Europe to 1815	HI 209
HIS 214 Modern Europe since 1815	HI 210
HIS 236 North Carolina History	HI 364
HIS 251 English History I	HI 221
HIS 252 English History II	HI 222
PHI 215 Philosophical Issues	PHI 205
PHI 220 Western Philosophy I	PHI 300

Community College Course	NC State Course Equivalent
PHI 221 Western Philosophy II	PHI 301
PHI 230 Intro to Logic	PHI 250
PHI 240 Introduction to Ethics	PHI 221
PHI 250 Philosophy of Science	PHI 340
REL 211 Intro to Old Testament	REL 311
REL 212 Intro to New Testament	REL 312
REL 221 <sup>#</sup> Religion in America	REL 320

**<sup>c</sup> Additional Breadth GEP Elective (total of 3 credits required) Choose one course**

ENG 231 American Literature I	ENG 266
ENG 232 American Literature II	ENG 261
ENG 233 Major American Writers	ENG 252
ENG 241 British Literature I	ENG 262
ENG 242 British Literature II	ENG 251
ENG 243 Major British Writers	ENG 221
ENG 251 West World Literature I	ENG 222
ENG 252 West World Literature	ENG 248
ENG 273 African-Amer Lit	ENG 376
ENG 275 Science Fiction	ENG 376
HIS 111 World Civilizations I	HI 207
HIS 112 World Civilizations II	HI 205
HIS 211 Ancient History	HI 207
HIS 212 Medieval History	HI 208
HIS 213 Modern Europe to 1815	HI 209
HIS 214 Modern Europe since 1815	HI 210
HIS 131 American History I	HI 251
HIS 132 American History II	HI 252
MUS 110 Music Appreciation	MUS 105
MUS 112 Introduction to Jazz	MUS 260
PHI 215 Philosophical Issues	PHI 205
PHI 220 Western Philosophy I	PHI 300
PHI 240 Introduction to Ethics	PHI 221
PSY 150 General Psychology	PSY 200
REL 110* World Religions	REL 210
REL 211* Intro to Old Testament	REL 311
REL 212* Intro to New Testament	REL 312
REL 221 Religion in America	REL 320
SOC 210 Introduction to Sociology	SOC 202
SOC 213 Sociology of Family	SOC 204
SOC 220 <sup>#</sup> Social Problems	SOC 203
SOC 230 Race & Ethic Relations	SOC 305
SOC 240 Social Psychology	SOC 301
SOC 242 Social Deviance	SOC 301
SOC 252 Sociology of Work	SOC 205

**<sup>b</sup> Social Sciences GEP Elective (total of 3 credits required) Choose one course**

ANT 220* Cultural Anthropology	ANT 252
ANT 230 Physical Anthropology	ANT 251
ANT 240* Archaeology	ANT 253
PSY 150 General Psychology	PSY 200
PSY 241 Developmental Psych	PSY 376
PSY 237 Social Psychology	PSY 311
PSY 263 Educational Psychology	EDP 304
SOC 210 Introduction to Sociology	SOC 202
SOC 213 Sociology of Family	SOC 204
SOC 220 Social Problems	SOC 203
SOC 230 Race & Ethic Relations	SOC 305

Community College Course	NC State Course Equivalent
<b>SOC 240 Social Psychology</b>	SOC 301
<b>SOC 242 Sociology of Deviance</b>	SOC 206
<b>SOC 252 Sociology of Work</b>	SOC 205

\* Course numbers followed by an \* will also count for NC State University's Global Knowledge requirement.

# Course numbers followed by a # will also count for NC State University's US Diversity requirement.

<sup>d</sup> **Free Electives** – Any course that transfers to NC State University. Reference: [go.ncsu.edu/transfer-translator](http://go.ncsu.edu/transfer-translator)