Forest Management (BS): Ecology Concentration

The forest management, ecology concentration, trains professionals who will work as researchers, resource managers, and practitioners in varied agencies and non-governmental firms or organizations. Not focused on commodity production, this program provides more depth in scientific examination of forest communities. Subjects upon which forest management depends include botany, chemistry, ecology, economics, entomology, forest measurements, hydrology, mapping, mathematics, plant physiology, soil science, and statistics.

Both concentrations in the forest management program include a nine-week summer practicum between the second and third years of coursework. The purpose of the practicum is to study forest measurement and management skills in the field during concentrated hands-on experiences. Seven weeks of this residential practicum occurs at George Watts Hill Forest north of Durham, North Carolina.

The Society of American Foresters accredits the North Carolina State forest management program.

Contact

For more information examine our website (https://cnr.ncsu.edu/fer/) or contact one of the following:

Dr. Gary B. Blank

Coordinator of Forest Management 5229 Jordan Hall Addition gblank@ncsu.edu

Department of Forestry and Environmental Resources Box 8008

North Carolina State University Raleigh, North Carolina 27695-8008

Plan Requirements

First Year		Hours	
ENV 101	Exploring the Environment	2	
ENV 100	Student Success in Environmental First Year	1	
PB 200 or BIO 181	Plant Life or Introductory Biology: Ecology, Evolution, and Biodiversity	4	
MA 114	Introduction to Finite Mathematics with Applications	3	
CH 101 & CH 102	Chemistry - A Molecular Science and General Chemistry Laboratory	4	
ST 311	Introduction to Statistics	3	
FOR 150	Critical Thinking and Data Analysis ¹	2	
Acad Writing Resear	rch (p. 2) ¹	4	
	Hours	23	
Second Year			
Chemistry or Physics	Chemistry or Physics Elective (p. 2)		

FOR 172	Forest System Mapping and Mensuration I	2
FOR 339	1	4
ST 312	Introduction to Statistics II	3
Economics Electi	ve (p. 2)	3
FOR 260	Forest Ecology ¹	4
FOR 250	Professional Development II: Communications in Natural Resources ¹	1
Soil Science & La	ab (p. 2)	4
MA 121 or MA 131	Elements of Calculus or Calculus for Life and Management Sciences A	3
Technical Elective	es (p. 2)	3
	Hours	31
Summer		
FOR 204	Silviculture ¹	2
FOR 261	Forest Communities	2
FOR 264	Forest Wildlife ¹	1
FOR 265	Fire Management ¹	1
FOR 273	Forest System Mapping and Mensuration II	3
	Hours	9
Third Year		
FOR 303	Silvics and Forest Tree Physiology ¹	3
FOR 374	Forest Measurement, Modeling, and Inventory ¹	3
PB 220	Local Flora	3
NR 301	Practicum for Professional Development I	1
Advanced Comm	nunication Elective (p. 14)	3
Spatial Technolog	gy Elective (p. 14)	3
FOR 350	Professional Development III: Ethical Dilemmas in Natural Resource Management ¹	1
FOR 304	Theory of Silviculture ¹	4
Technical Elective	es (p. 2)	4
	Hours	25
Fourth Year		
FW 404	Wildlife Habitat Management	3
NR 460	Renewable Natural Resource Management and Policy ¹	3
FOR 430	Forest Health and Protection ¹	3
Technical Elective	es (p. 2)	4
Capstone Elective	e (p. 14)	4
Technical Elective	es (p. 2)	3
Technical Elective	es (p. 2)	4
	Hours	24
	Total Hours	112

¹ A grade of C- or better is required.

Code	Title	Hours	Counts towards
GEP Course	S		
U	ties (http:// edu/undergraduate/ -requirements/gep-	6	
undergraduat	and Exercise //catalog.ncsu.edu/ te/gep-category- /gep-health-exercise-	2	
0	e (http:// edu/undergraduate/ -requirements/)	3	
(http://catalog undergraduat	te/gep-category- /gep-interdisciplinary-	5	
catalog.ncsu. gep-category	Knowledge (http:// edu/undergraduate/ -requirements/ nowledge/) (verify		
catalog.ncsu. gep-category	age Proficiency (http:// edu/undergraduate/ -requirements/world- ficiency/) Foreign ement)		
Total Hours		16	

Acad Writing Research

Code	Title	Hours	Counts towards
Acad Writing Re	search		
ENG 101	Academic Writing and Research	4	
FLE 101	Academic Writing and Research	4	
Transfer Sequer	ice		
ENG 202	Disciplinary Perspectives in Writing	3	
ENG 1GEP		3	

Chemistry or Physics Electives

Code	Title	Hours	Counts towards
CH 201	Chemistry - A Quantitative Science	3	
CH 202	Quantitative Chemistry Laboratory	1	
CH 220	Introductory Organic Chemistry	3	
CH 221	Organic Chemistry I	3	

CH 222	Organic Chemistry I Lab	1	
PY 131	Conceptual Physics	4	
PY 211	College Physics I	4	

Economics Electives

Code	Title	Hours	Counts towards
ARE 201	Introduction to Agricultural & Resource Economics	3	
ARE 201A	Introduction to Agricultural & Resource Economics	3	
EC 201	Principles of Microeconomics	3	
EC 205	Fundamentals of Economics	3	
NR 219	Natural Resource Markets	3	

Soil and Science Labs

Code	Title	Hours	Counts towards
FOR 472	Forest Soils	4	
NR 460	Renewable Natural Resource Management and Policy	3	
NR 560	Renewable Natural Resource Management and Policy	3	
SSC 200	Soil Science	3	
SSC 201	Soil Science Laboratory	1	

Technical Electives

Code FOR/FW/NR Teo	Title hnical Electives	Hours	Counts towards
AEC 420	Introduction to Fisheries Science	3	
AEC 423	Introduction to Fisheries Sciences Laboratory	1	
ENT 402	Forest Entomology	3	
FOR 204	Silviculture	2	
FOR 248	Forest History, Technology and Society	3	

FOR 250	Professional Development II: Communications in Natural Resources	1
FOR 252	Introduction to Forest Science	3
FOR 260	Forest Ecology	4
FOR 261	Forest Communities	2
FOR 264	Forest Wildlife	1
FOR 265	Fire Management	1
FOR 273	Forest System Mapping and Mensuration II	3
FOR 293	Independent Study in Forest Management	1-6
FOR 294	Independent Study in Forest Management	1-6
FOR 295	Special Topics in Forestry	1-6
FOR 303	Silvics and Forest Tree Physiology	3
FOR 304	Theory of Silviculture	4
FOR 318	Forest Pathology	3
FOR 319	Forest Economics	3
FOR 330	North Carolina Forests	3
FOR 334	Operations Research Applications in Natural Resources	1
FOR 339		4
FOR 350	Professional Development III: Ethical Dilemmas in Natural Resource Management	1
FOR 353	GIS and Remote Sensing for Environmental Analysis and Assessment	3
FOR 374	Forest Measurement, Modeling, and Inventory	3
FOR 402	Forest Entomology	3
FOR 405	Forest Management	4

FOR 406	Forest Inventory, Analysis and Planning	4
FOR 408	Applied Forest Ecology: Natural Forest Silviculture	3
FOR 411	Forest Tree Genetics and Biology	3
FOR 414	World Forestry	3
FOR 415	World Forestry Study Tour	1
FOR 420	Watershed and Wetlands Hydrology	4
FOR 422	Consulting Forestry	3
FOR 430	Forest Health and Protection	3
FOR 434	Forest Operations and Analysis	3
FOR 472	Forest Soils	4
FOR 491	Special Topics in Forestry and Related Natural Resources	1-4
FOR 493	Independent Study in Forest Management	1-6
FOR 494	Independent Study in Forest Management	1-6
FOR 505	Forest Management	4
FOR 508	Applied Forest Ecology: Natural Forest Silviculture	3
FOR 520	Watershed and Wetlands Hydrology	4
FOR 522	Consulting Forestry	3
FOR 534	Forest Operations and Analysis	3
FW 221	Conservation of Natural Resources	3
FW 293	Independent Study in Fisheries, Wildlife, and Conservation Biology	1-6

FW 294	Independent Study in Fisheries, Wildlife, and Conservation Biology	1-6	FW 493	Independent Study in Fisheries, Wildlife, and Conservation Biology	1-6
FW 311	Piedmont Wildlife Ecology and Management	3	FW 494	Independent Study in Fisheries,	1-6
FW 312	Fisheries Techniques and Management	1		Wildlife, and Conservation Biology	
FW 313	Mountain Wildlife Ecology and Management	1	FW 495	Special Topics in Fisheries and Wildlife Science	1-3
FW 314	Coastal Ecology and Management	1	FW 511	Human Dimensions of Wildlife and	3
FW 333	Conservation Biology in	3		Fisheries	
EN4/050	Practice	2	FW 544 FW 560	Mammalogy International	3
FW 353 FW 373	Wildlife Management Vertebrate	3	FW 560	Wildlife Management and	3
1 1 0/0	Natural History	5		Conservation	
FW 403	Urban Wildlife Management	3	FW 565	African Ecology and Conservation	4
FW 404	Wildlife Habitat Management	3	IDS 303	Humans and the Environment	3
FW 405	Tropical Wildlife Ecology	3	NR 219	Natural Resource Markets	3
FW 411	Human Dimensions of Wildlife and	3	NR 293	Independent Study in Natural Resources	1-6
FW 415	Fisheries Professional	1	NR 294	Independent Study in Natural Resources	1-6
	Development in Fisheries, Wildlife, and Conservation		NR 295	Special Topics in Natural Resources	1-3
FW 444	Biology Mammalogy	3	NR 300	Natural Resource Measurements	4
FW 445	Human Dimensions of Conservation	3	NR 301	Practicum for Professional Development I	1
	Biology in the Bahamas		NR 303	Humans and the Environment	3
FW 453	Principles of Wildlife Science	4	NR 350	International Sustainable	4
FW 460	International Wildlife Management and	3	NR 360	Resource Use Internship Experience	3
FW 465	Conservation African Ecology	4	NR 400	Natural Resource Management	4
FW 492	and Conservation	1-6	NR 406	Conservation of Biological	3
FVV 492	External Learning Experience	0-1		of Biological Diversity	

NR 420	Watershed and Wetlands Hydrology	4	ACC 310	Intermediate Financial Accounting I	3
NR 421	Wetland Science and Management	3	ACC 311	Intermediate Financial Accounting II	3
NR 460	Renewable Natural Resource Management and Policy	3	ACC 330	Accounting in An Introduction To Income Taxation	3
NR 484	Environmental Impact Assessment	4	ACC 340	Accounting Information Systems	3
NR 491	Special Topics in Forestry and Related Natural	1-4	ACC 411 ACC 420	Business Valuation Cost Accounting	3
NR 493	Resources	1-6	ACC 420	for Effective Management	5
1117 400	Study in Natural Resources		ACC 440	Enterprise Resource	3
NR 494	Independent Study in Natural Resources	1-6		Planning Systems: Implementation,	
NR 500	Natural Resource Management	4		Risk, and Analytics	
NR 520	Watershed and Wetlands Hydrology	4	ACC 450	Auditing and Assurance Services	3
NR 521	Wetland Science	3	ACC 451 ACC 460	Internal Auditing Governmental	3 3
NR 560	and Management Renewable Natural Resource	3		and Nonprofit Accounting	
	Management and Policy		ACC 495	Special Topics in Accounting	1-6
PP 318	Forest Pathology	3	ACC 498	Independent	1-6
SMT 202	Anatomy and Properties of	3		Study in Accounting	
	Renewable Materials		ACC 499	Internship in ACC	1-6
Technical Elect			AEC 360 AEE 208	Ecology Agricultural	4 3
ACC 200	Introduction to Managerial Accounting	3	ALL 200	Biotechnology: Issues and Implications	5
ACC 210	Concepts of Financial Reporting	3	BAET 323	Water Management	3
ACC 220	Introduction to Managerial Accounting	3	ANS 208	Agricultural Biotechnology: Issues and Implications	3
ACC 230	Individual Income Taxation	3	ANS 215	Agricultural Genetics	3
ACC 280	Survey of Financial and Managerial Accounting	3	ARE 201	Introduction to Agricultural & Resource Economics	3
ACC 295	Special Topics in Accounting	1-6	ARE 201A	Introduction to Agricultural & Resource	3
				Economics	

ARE 280 Markeling Markeling ARE 270 Principle of Apriculary 3 ARE 270 Principle of Apriculary 3 ARE 281 Special Topics Entrepreneurship 1-6 ARE 203 Special Topics Entrepreneurship 1-6 ARE 204 Agriculary 3 ARE 205 Agriculary 3 ARE 201 Intermediate Markegenet 3 ARE 203 Farm 3 ARE 204 Agriculary 3 ARE 205 Farm 3 ARE 206 Cortatas and Agriculary 3 ARE 207 Agriculary 3 ARE 208 Agriculary 3 ARE 209 Farm 3 ARE 201 Agriculary 3 ARE 202 Farm 3 ARE 203 Agriculary 3 ARE 204 Agriculary 3 ARE 205 Agriculary 3 ARE 206 Agriculary 3 ARE 207 Agriculary 3 ARE 208 Agriculary 3 ARE 209 Entrepreneuship 3 ARE 201 Agriculary 3 ARE 202 Agriculary 3	ARE 215	Small Business Accounting	3	ARE 413	Applied Agribusiness	3
ARE 270 Principles of Agribusiness Entrepreneurship 3 ARE 420 Tratton in Agribusiness Entrepreneurship 3 ARE 295 Special Topics Economics (200 1-6	ARE 260	and Risk Management in	1	ARE 415	Introduction to Commodity	3
ARE 302 in Agricultural & Resource Economics (200 Level) 3 ARE 301 Intermediate Microsconomics 3 ARE 303 Farm 3 ARE 304 Agribusiness 3 ARE 305 Farm 3 ARE 306 Agribusiness 3 ARE 307 Management 3 ARE 308 Agribusiness 3 ARE 309 Environmental Law & Economic Financial 3 ARE 311 Agricultural Law 3 ARE 322 Agricultural Marketis 3 ARE 323 Agricultural Marketis 3 ARE 324 Agricultural Marketis 3 ARE 325 Agricultural Marketis 3 ARE 326 Agricultural Marketis 3 ARE 327 Agribusiness 3 ARE 332 Human Resource Finance 3 ARE 332 Human Resource Maragement 3 ARE 332 Human Resource Finance 3 ARE 332 Human Resource Maragement 3 ARE 332 Agribusiness 3 ARE 335 Agribusines		Principles of Agribusiness Entrepreneurship		ARE 420	Agriculture, Production, and	3
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ARE 303 Farm 3 Area	ARE 301		3	ARE 433	-	3
ARE 304 Agnicultural Trade ARE 305 Agricultural Trade ARE 305 Agricultural Law 3 ARE 309 Environmental 3 Law & Economic Policy 3 ARE 470 Agricultural Trade ARE 311 Agricultural 3 ARE 470 Agricultural Skils ARE 312 Agricultural 3 ARE 475 Analytics 3 ARE 311 Agricultural 3 ARE 475 Analytics 3 ARE 312 Agricultural 3 ARE 475 Food Policy 3 ARE 321 Agricultural 3 ARE 492 External Learning 1 ARE 323 Agribusiness 3 ARE 492 External Learning 1-6 ARE 323 Agribusiness 3 ARE 493 Special 1-6 ARE 323 Human Resource 3 ARE 493 Special 1-6 ARE 326 Management for Agribusiness 3 ARE 493 Special Topics 1-6 ARE 326 Global ARE 335 Agribusiness 3 Agribusiness 1-6 <	ARE 303		3	ARE 444		3
ARE 306Agricultural LawARE 455Agribusiness3ARE 308Environmental3ARE 470Agribusiness3ARE 311Agricultural3ARE 470Control of the second s	ARE 304	-	3	ARE 448		3
ARE 309Environmental Law & Economic Policy3ARE 470Agribusiness Entrepreneurship Clinical Skills Development3ARE 311Agricultural Marketing3ARE 475Food Policy3ARE 321Agricultural Financial Management3ARE 475Food Policy3ARE 323Agribusiness Financial Management for Agribusiness3ARE 492Externing Economics1-6ARE 323Human Resource Financial Management for Agribusiness3ARE 493Special Study Abroad1-6ARE 332Human Resource and Economics3ARE 494Agribusiness Agribusiness1-6ARE 335Agribusiness Agribusiness3ARE 493Special Proticem1-6ARE 345Global Agribusiness3ARE 493Special Topics In Agricultural and Resource1-6ARE 336Agribusiness Management3Agribusiness Agribusiness1-6ARE 337Agribusiness Management3ARE 495Special Topics In Agricultural and Resource Economics (300 Invelvence3ARE 404Advanced Agribusiness In Agricultural and Resource Economics (300 Invelvence1-6ARE 412Advanced Agribusiness Marketing3Agribusines Agribusiness3ARE 412Advanced Agribusiness Marketing3Agribusines Agribusiness3ARE 412Advanced Agribusiness Marketing3Agribusines Agribusines3		Management		ARE 455	Agribusiness	3
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Marketingin Agriculturel & Resource Economicsin Agriculturel & Resource EconomicsARE 323Agribusiness Finance3ARE 492External Learning Experience1-6ARE 323Human Resource Management for Agribusiness3ARE 493Special Problems/ 	ARE 311	-	3	ARE 475		3
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ARE 323 Agribusiness Finance 3 Experience ARE 332 Human Resource Management for Agribusiness 3 ARE 493 Special Problems/ Research Exploration 1-6 ARE 336 Introduction to Agribusiness 3 ARE 494 Agribusiness Study Abroad 1-6 ARE 336 Introduction to Economics 3 ARE 494 Agribusiness Study Abroad 1-6 ARE 345 Global Agribusiness 3 ARE 494 Agribusiness In Agricultural and Resource Economics 1-6 ARE 370 Agribusiness Management 3 ARE 435 Precision Agribusiness 3 ARE 395 Special Topics In Agribusiness 1-6 3 Agribusiness 3 ARE 395 Agribusiness New Venture Development 3 Agribusiness 3 Agribusiness 3 ARE 404 Advanced Agribusiness Management 1-6 3 Agribusiness 3 ARE 395 Special Topics In Agricultural and Resource Economics (300 1-6 3 Agribusiness 3 ARE 404 Advanced Agribusiness Management 3 Precision Agribusiness 3 3 ARE 404	ARE 321	Financial	3	ARE 492	Economics	1-6
ARE 332Human Resource Management for Agribusiness3Problems/ Research ExplorationARE 336Introduction to Resource and Environmental EconomicsARE 494Agribusiness1-6ARE 336Global AgribusinessARE 494Special Topics in Agricultural and Resource Economics1-6ARE 345Global Agribusiness Management3	ARE 323	Agribusiness	3		Experience	
ARE 336Introduction to Resource and Environmental Economics3ARE 494Agribusiness Study Abroad1-6ARE 345Global Agribusiness Management3ARE 495Special Topics in Agricultural and Resource Economics1-6ARE 370Agribusiness New Venture Development3ARE 435Precision Agriculture Technology3ARE 395Special Topics in Agricultural and Resource Economics333ARE 395Special Topics May Venture Development1-63ARE 395Special Topics in Agricultural and Resource Economics (300 level)1-63ARE 404Advanced Management333ARE 404Advanced Agribusiness management333ARE 412Advanced Agribusiness Marketing333ARE 412Advanced Agribusiness Marketing333ARE 412Advanced Agribusiness Marketing333ARE 412Advanced Agribusiness Marketing333ARE 412Advanced Agribusiness Marketing333ARE 412Advanced Agribusiness Marketing333ARE 412Advanced Agribusiness Marketing333ARE 412Advanced Agribusiness Marketing333ARE 412Advanced Agribusiness 	ARE 332	Human Resource Management for	3	ARE 493	Problems/ Research	0-1
Environmental EconomicsARE 495Special Topics in Agricultural and Resource Economics1-6ARE 345Global Agribusiness Management3BAE 435Precision 	ARE 336	Introduction to	3	ARE 494	-	1-6
Agribusiness ManagementAgribusiness ManagementAgribusiness MarcelAgribusiness Agriculture TechnologyAgriculture TechnologyARE 370 DevelopmentAgriculture TechnologyAgriculture TechnologyAgriculture TechnologyARE 395 DevelopmentSpecial Topics in Agricultural and Resource Economics (300 level)1-6 Agribusiness AgribusinessBAE 473 Precision Agriculture ModelingIntroduction to Marced AgribusinessARE 412 MarketingAdvanced Agribusiness Marketing3 Agribusiness3 AgribusinessARE 412 MarketingAdvanced Agribusiness Marketing3 Agribusiness3 AgribusinessARE 412 MarketingAdvanced Agribusiness3 Agribusiness3 AgribusinessARE 412 MarketingAdvanced Agribusiness3 Agribusiness3 AgribusinessARE 412 MarketingAdvanced Agribusiness3 Agribusiness3 AgribusinessARE 412 MarketingAdvanced Agribusiness3 Agribusiness3 AgribusinessARE 412 MarketingAdvanced Agribusiness3 Agribusiness3 AgribusinessARE 412 MarketingAdvanced Agribusiness3 Agribusiness3 AgribusinessARE 412 MarketingAdvanced Agribusiness3 Agribusiness3 AgribusinessARE 412 MarketingAdvanced Agribusiness3 Agribusiness3 AgribusinessARE 412 MarketingAdvanced Agribusiness3 Agribusiness3 A		Environmental		ARE 495		1-6
ARE 370Agribusiness New Venture Development3ARE 395Special Topics in Agricultural and Resource Economics (300 level)1-6BAE 473Introduction to Hydrologic and Water Quality ModelingARE 404Advanced Agribusiness Management3ARE 412Advanced Agribusiness Marketing3ARE 412Advanced Agribusiness Marketing3BRE 413BIO 330Evolutionary3	ARE 345	Agribusiness	3		Economics	
ARE 395Special Topics in Agricultural and Resource Economics (300 level)1-6Hydrologic and Water Quality ModelingARE 404Advanced Agribusiness Management3BAE 535 Agriculture TechnologyPrecision Agriculture Technology3ARE 412Advanced Agribusiness Marketing3BAE 573 Agribusiness ModelingIntroduction to Hydrologic and Water Quality Modeling3BIO 330Evolutionary3	ARE 370	Agribusiness	3	BAE 435	Agriculture	3
Introduction to the series of the series	ARE 395	Special Topics in Agricultural and Resource	1-6		Hydrologic and Water Quality Modeling	
Agribusiness Management BAE 573 Introduction to Hydrologic and Water Quality Modeling 3 ARE 412 Advanced Agribusiness Marketing 3 BAE 573 Introduction to Hydrologic and Water Quality Modeling 3 BIO 330 Evolutionary 3		level)		BAE 535	Agriculture	3
ARE 412 Advanced 3 Water Quality Agribusiness Marketing BIO 330 Evolutionary 3	ARE 404	Agribusiness	3	BAE 573	Introduction to	3
	ARE 412	Advanced	3		Water Quality	
		Marketing		BIO 330		3

BIO 414	Cell Biology	3	EC 437
BIT 476	Applied Bioinformatics	2	EC 449
BIT 481	Plant Tissue Culture and Transformation	2	EC 451 EC 468 EC 474
BUS 350	Economics and Business Statistics	3	
CS 410	Community Food Systems	3	EC 480 EC 490
CS 470	Advanced Turfgrass Pest Management	2	EC 495
CS 480	Sustainable Food Production (capstone)	1	EC 495
CSC 416	Introduction to Combinatorics	3	ECE 488
CSC 427	Introduction to Numerical Analysis I	3	ECE 588
CSC 428	Introduction to Numerical Analysis II	3	
CSC 442	Introduction to Data Science	3	ENT 201
CSSC 490	Senior Seminar in Crop Science and Soil Science	1	ENT 203
EC 201	Principles of Microeconomics	3	ENT 207
EC 202	Principles of Macroeconomics	3	ENT 212
EC 205	Fundamentals of Economics	3	EIVI 500
EC 301	Intermediate Microeconomics	3	ENT 401
EC 302	Intermediate Macroeconomics	3	ENT 402
EC 305	A Closer Look at Capitalism	3	ENT 425
EC 336	Introduction to Resource and Environmental Economics	3	ENT 470
EC 348	Introduction to International Economics	3	ENT 492
EC 351	Econometrics I	3	ENT 493
EC 404	Money, Financial Markets, and the Economy	3	ENT 495
EC 410	Public Finance	3	ET 201
EC 413	Industrial Organization	3	
EC 431	Labor Economics	3	

EC 437		3
EC 449	International Finance	3
EC 451	Econometrics II	3
EC 468	Game Theory	3
EC 474	Economics of Financial Institutions and Markets	3
EC 480		3
EC 490	Research Seminar in Economics	3
EC 495	Special Topics in Economics	1-6
EC 498	Independent Study in Economics	1-6
ECE 488	Systems Biology Modeling of Plant Regulation	3
ECE 588	Systems Biology Modeling of Plant Regulation	3
ENT 201	Insects and People	3
ENT 203	An Introduction to the Honey Bee and Beekeeping	3
ENT 207	Insects and Human Disease	3
ENT 212	Basic Entomology	1
ENT 305	Introduction to Forensic Entomology	3
ENT 401	Honey Bee Biology and Management	3
ENT 402	Forest Entomology	3
ENT 425	General Entomology	3
ENT 470	Advanced Turfgrass Pest Management	2
ENT 492	External Learning Experience	1-6
ENT 493	Special Problems in Entomology	1-6
ENT 495	Special Topics in Entomology	1-3
ET 201	Environmental Technology Laboratory I	1

ET 202	Environmental Technology Laboratory II	1	ET 493	Independent Study in Environmental	1-6
ET 203	Pollution Prevention	1		Technology & Management	
ET 220	Solar Photovoltaics Assessment	3	ET 494	Independent Study in Environmental Technology &	1-6
ET 255	Hydro, Wind, and Bioenergy Assessment	3	ET 495	Management Special Topics	1-6
ET 262	Renewable Energy Adoption: Barriers and	3		in Environmental Technology & Management	
	Incentives		FOR 318	Forest Pathology	3
ET 293	Independent Study in	1-6	FOR 402	Forest Entomology	3
	Environmental Technology &		FS 462	Postharvest Physiology	3
ET 294	Management Independent	1-6	FS 562	Postharvest Physiology	3
	Study in Environmental		GIS 205	Spatial Thinking with GIS	3
57.005	Technology & Management		GIS 280	Introduction to GIS	3
ET 295	Special Topics in Environmental Technology & Management	1-6	GIS 295	Special Topics in Geospatial Information Science	1-4
ET 301	Environmental Technology Laboratory III	1	GIS 510	Fundamentals of Geospatial Information	3
ET 302	Environmental Technology Laboratory IV	1		Science and Technology	
ET 303	Laboratory Safety Systems and Management	1	GPH 404	Epidemiology and Statistics in Global Public Health	3
ET 310	Environmental Monitoring and	3	HS 200	Home Horticulture	3
ET 320 ET 330	Analysis Fundamentals of Air Pollution Environmental	3	HS 201	The World of Horticulture: Principles and Practices	3
ET 330	Technology Practicum	3	HS 202	Home Plant Identification	3
ET 401	Environmental Technology	1	HS 203	Home Plant Propagation	3
ET 455	Laboratory V Adaptive	3	HS 204	Home Landscape Maintenance	3
	Management and Governance		HS 205	Home Food Production	3
ET 460	Practice of Environmental Technology	3	HS 215	Agricultural Genetics	3
	теонноюду		HS 242	Introduction to Small Scale Landscape Design	3
				5	

HS 250	Home Landscape Design: Creating Garden Spaces	3
HS 252	Landscape Graphic Communication	2
HS 272	Landscape Design/Build	6
HS 280	Hands-On- Horticulture	3
HS 290	Horticulture: Careers and Opportunities	1
HS 301	Plant Propagation	4
HS 302	Gardening with Herbaceous Perennials	3
HS 303	Ornamental Plant Identification I	3
HS 304	Ornamental Plant Identification II	3
HS 357	Landscape Grading and Drainage	4
HS 400	Residential Landscaping	6
HS 410	Community Food Systems	3
HS 411	Nursery Management	3
HS 416	Planting Design	4
HS 418	Digital Media Graphic for Landscape Designers	3
HS 420	Green Infrastructure	3
HS 421	Temperate- Zone Tree Fruits: Physiology and Culture	3
HS 422	Small Fruit Production	3
HS 423		3
HS 428	Soil Management Principles for Sustainable Agriculture	1
HS 431	Vegetable Production	4
HS 432	Introduction to Permaculture	3
HS 433	Public Garden Administration	3
HS 440	Greenhouse Management	3

HS 442	Floriculture Crop Production	3
HS 451	Plant Nutrition	3
HS 462	Postharvest Physiology	3
HS 471	Landscape Ecosystem Management	4
HS 475		3
HS 476	Crop Physiology and Production in Controlled Environments	3
HS 480	Sustainable Food Production (capstone)	1
HS 491	Sustainable Agriculture Entrepreneurship Study Abroad	3
HS 492	Horticulture Internship	1-3
HS 493	Research Experience in Horticultural Science	1-3
HS 494	Teaching Experience in Horticultural Science	1-3
HS 495	Experimental Courses in Horticultural Science	1-6
HS 516	Planting Design	4
HS 520	Green Infrastructure	3
HS 521	Temperate- Zone Tree Fruits: Physiology and Culture	3
HS 523		3
HS 532	Introduction to Permaculture	3
HS 533	Public Garden Administration	3
HS 551	Plant Nutrition	3
HS 562	Postharvest Physiology	3
HS 576	Crop Physiology and Production in Controlled Environments	3
LOG 335	Symbolic Logic	3
MA 205		3

MA 225	Foundations of Advanced	3	MA 416	Introduction to Combinatorics	3
MA 231	Mathematics Calculus for Life	3	MA 421	Introduction to Probability	3
	and Management Sciences B		MA 425	Mathematical Analysis I	3
MA 241	Calculus II	4	MA 426	Mathematical	3
MA 242	Calculus III	4		Analysis II	
MA 302	Numerical Applications to Differential	1	MA 427	Introduction to Numerical Analysis I	3
MA 303	Equations Linear Analysis	3	MA 428	Introduction to Numerical	3
MA 305	Introductory	3		Analysis II	
1111000	Linear Algebra and Matrices	Ŭ	MA 430	Mathematical Models in	3
MA 315	Mathematics Methods in	4		the Physical Sciences	
144.005	Atmospheric Sciences	2	MA 432	Mathematical Models in Life Sciences	3
MA 325	Introduction to Applied Mathematics	3	MA 437	Applications of Algebra	3
MA 331	Differential	3	MA 440	-	3
	Equations for the Life Sciences		MA 444	Problem Solving Strategies for	1
MA 335	Symbolic Logic	3		Competitions	-
MA 341	Applied Differential Equations I	3	MA 450	Methods of Applied Mathematics I	3
MA 351	Introduction to Discrete Mathematical	3	MA 451	Methods of Applied Mathematics II	3
MA 401	Models Applied Differential	3	MA 491	Reading in Honors Mathematics	1-6
MA 402	Equations II Mathematics	3	MA 493	Special Topics in Mathematics	1-6
1017 402	of Scientific Computing	5	MA 494	Major Paper in Mathematics	1
MA 403	Introduction to Modern Algebra	3	MA 499	Independent Research in	1-6
MA 405	Introduction to Linear Algebra	3	MEA 315	Mathematics Mathematics	4
MA 407	Introduction to Modern Algebra for Mathematics	3		Methods in Atmospheric Sciences	
MA 408	Majors Foundations	3	MEA 320	Fundamentals of Air Pollution	3
	of Euclidean Geometry		PB 200	Plant Life	4
MA 410	Theory of	3	PB 205	Our Green World	3
MA 410 MA 412	Numbers Long-Term	3	PB 208	Agricultural Biotechnology: Issues and	3
	Actuarial Models			Implications	
MA 413	Short-Term Actuarial Models	3	PB 213	Plants and Civilization	3

PB 215	Medicinal Plants	3	PP 222	Kingdom of Fungi	3
PB 219	Plants in Folklore, Myth, and religion	3	PP 232	Big Data in Your Pocket: Call it a Smartphone	3
PB 220 PB 250	Local Flora Plant Biology	3 4	PP 241	The Worm's Tale: Parasites In Our	3
PB 277	Space Biology	3	DD 045	Midst	
PB 295	Special Topics in Botany	1-4	PP 315	Principles of Plant Pathology	4
PB 321	Introduction to	3	PP 318	Forest Pathology	3
	Whole Plant Physiology		PP 470	Advanced Turfgrass Pest	2
PB 325	Culinary Botany	3	DD 400	Management	4.0
PB 345	Economic Botany	3	PP 492	External Learning Experience	1-6
PB 346	Economic Botany Lab	1	PP 493	Special Problems in Plant	1-6
PB 360	Ecology	4		Pathology	
PB 400	Plant Diversity and Evolution	4	PP 495	Special Topics in Plant Pathology	1-3
PB 403	Systematic	4	PSY 240	Introduction	3
PB 413	Botany Plant Anatomy	2	101210	to Behavioral	0
PB 421	Plant Physiology	3	DEV 244	Research I	4
PB 445	Paleobotany	4	PSY 241	Introduction to Behavioral	1
PB 464	Rare Plants of	3		Research I Lab	
PB 480	North Carolina	3	PSY 242	Introduction to Behavioral	3
1 D 400	to Plant Biotechnology	0	PSY 243	Research II Introduction	2
PB 481	Plant Tissue Culture and	2		to Behavioral Research II Lab	
	Transformation		SMT 200	Introduction	3
PB 488	Systems Biology Modeling of Plant Regulation	3		to Sustainable Materials and Technology	
PB 492	External Learning Experience	1-6	SMT 201	Sustainable Materials for	2
PB 493	Plant Biology	1-6		Green Housing	
	Supervised Undergraduate Research Experience		SMT 202	Anatomy and Properties of Renewable Materials	3
PB 495	Special Topics in Plant Biology	1-6	SMT 203	Physical Properties of	4
PB 503	Systematic Botany	4		Sustainable Materials	
PB 513	Plant Anatomy	2	SMT 206	Wood	1
PB 545	Paleobotany	4		Manufacturing Site Visits	
PB 564	Rare Plants of North Carolina	3	SMT 210	Sustainable Materials	1
PB 580	Introduction to Plant	3	SMT 232	Internship Recycling	2
PB 588	Biotechnology Systems Biology Modeling of Plant Regulation	3		to Create a Sustainable Environment	

SMT 240	Introduction to	2	SSC 200	Soil Science	3
	Wood Products Industries		SSC 201	Soil Science Laboratory	1
SMT 293	Independent Study in	1-6	SSC 332	Environmental Soil Microbiology	3
	Sustainable Materials & Technology		SSC 341	Soil Fertility and Nutrient Management	3
SMT 294	Independent Study in Sustainable	1-6	SSC 342	Soil and Plant Nutrient Analysis	1
	Materials & Technology		SSC 410	Soil Judging for Land Evaluation	1
SMT 295	Special Topics	1-3	SSC 421		3
	in Sustainable Materials and Technology		SSC 427	Biological Approaches to Sustainable Soil	3
SMT 301	Chemistry of Sustainable	3	SSC 428	Systems Soil Management Principles for	1
SMT 302	Materials Processing of Biomaterials	4		Sustainable Agriculture	
SMT 308	Wood Processing	4	SSC 440	Geographic	3
SMT 310	Introduction to	3		Information	
SMT 320	Industrial Ecology Industrial	2		Systems (GIS) in Soil Science and	
0.001 020	Chemical Pollutants	L	SSC 442	Agriculture Soil and Environmental	3
SMT 330	Project Management for	3	SSC 452	Biogeochemistry Soil Classification	4
	Sustainability		SSC 455	Soils,	3
SMT 346	Sustainable Materials Business Marketing	3		Environmental Quality and Global Challenges	-
SMT 441	Mechanical Properties of Sustainable Materials	4	SSC 461	Soil Physical Properties and Plant Growth	3
SMT 444	Sustainable Composites and	3	SSC 462	Soil-Crop Management Systems	3
CMT 450	Biopolymers Sustainable	0	SSC 470	Wetland Soils	3
SMT 450	Business and Innovation	2	SSC 473	Introduction to Hydrologic and Water Quality	3
SMT 483	Capstone in Sustainable Materials and	3	SSC 540	Modeling Geographic	3
	Technology			Information Systems (GIS) in	
SMT 493	Independent Study in	1-6		Soil Science and Agriculture	
	Sustainable Materials &		SSC 570	Wetland Soils	3
	Technology	10	SSC 573	Introduction to Hydrologic and	3
SMT 494	Independent Study in Sustainable	1-6		Water Quality Modeling	
	Materials & Technology		ST 305		4

ST 307	Introduction to Statistical Programming- SAS	1	ST 435	Statis Meth Quali Produ
ST 308	Introduction to Statistical Programming - R	1	ST 437	Impro Appli Multiv
ST 311	Introduction to Statistics	3		Long Analy
ST 312	Introduction to Statistics II	3	ST 440	Appli Analy
ST 350	Economics and Business Statistics	3	ST 442 ST 445	Introc Data Introc
ST 370	Probability and Statistics for Engineers	3		to Sta Comp and E
ST 371	Introduction to Probability and Distribution Theory	3	ST 446	Mana Interr Progr with /
ST 372	Introduction to Statistical Inference and	3	ST 491 ST 495	Statis Pract Spec
07.000	Regression	<u>^</u>	07.407	Statis
ST 380 ST 401	Experiences in Data Analysis	3 4	ST 497	Profe Expe Statis
ST 404	Epidemiology and Statistics in Global Public	3	ST 498	Indep Study Statis
ST 405	Health Applied Nonparametric Statistics	3	ST 499 ST 505	Rese Expe Statis Appli
ST 412	Long-Term Actuarial Models	3		Nonp
ST 413	Short-Term Actuarial Models	3	ST 533	Appli Statis
ST 421	Introduction to Mathematical	3	ST 534	Appli Serie
ST 422	Statistics I Introduction to Mathematical Statistics II	3	ST 535	Statis Meth Quali Produ
ST 430	Introduction to Regression Analysis	3	ST 537	Impro Appli Multiv
ST 431	Introduction to Experimental	3	ST 540	Long Analy Appli
ST 432	Design Introduction to Survey Sampling	3	0.0.0	Analy
ST 433	Applied Spatial Statistics	3		
ST 434	Applied Time Series	3		

ST 435	Statistical Methods for Quality and Productivity Improvement	3	
ST 437	Applied Multivariate and Longitudinal Data Analysis	3	
ST 440	Applied Bayesian Analysis	3	
ST 442	Introduction to Data Science	3	
ST 445	Introduction to Statistical Computing and Data Management	3	
ST 446	Intermediate SAS Programming with Applications	3	
ST 491	Statistics in Practice	3	
ST 495	Special Topics in Statistics	1-6	
ST 497	Professional Experience in Statistics	1-3	
ST 498	Independent Study In Statistics	1-6	
ST 499	Research Experience in Statistics	1-3	
ST 505	Applied Nonparametric Statistics	3	
ST 533	Applied Spatial Statistics	3	
ST 534	Applied Time Series	3	
ST 535	Statistical Methods for Quality and Productivity Improvement	3	
ST 537	Applied Multivariate and Longitudinal Data Analysis	3	
ST 540	Applied Bayesian Analysis	3	

Advanced Communication Electives

Code	Title	Hours	Counts towards
COM 289	Science Communication and Public Engagement	3	
ENG 331	Communication for Engineering and Technology	3	
ENG 332	Communication for Business and Management	3	
ENG 333	Communication for Science and Research	3	

Spatial Technology Electives

Code	Title	Hours	Counts towards
FOR 353	GIS and Remote Sensing for Environmental Analysis and Assessment	3	
GIS 280	Introduction to GIS	3	
SSC 440	Geographic Information Systems (GIS) in Soil Science and Agriculture	3	
SSC 540	Geographic Information Systems (GIS) in Soil Science and Agriculture	3	

Capstone Electives

Code ES 400	Title Analysis of Environmental Issues	Hours 3	Counts towards
FOR 406	Forest Inventory, Analysis and Planning	4	
NR 400	Natural Resource Management	4	
NR 406	Conservation of Biological Diversity	3	
NR 500	Natural Resource Management	4	

Semester Sequence

This is a sample.

First Year		
Fall Semester		Hours
ENV 101	Exploring the Environment	2
MA 114	Introduction to Finite Mathematics with	3
EN N (400	Applications	
ENV 100	Student Success in Environmental First Year	1
PB 200 or BIO 181	Plant Life or Introductory Biology: Ecology, Evolution, and Biodiversity	4
GEP Requirement (h category-requirement	ttp://catalog.ncsu.edu/undergraduate/gep- is/)	3
	rcise Studies (http://catalog.ncsu.edu/ ategory-requirements/gep-health-exercise-	1
	Hours	14
Spring Semester		
CH 101 & CH 102	Chemistry - A Molecular Science and General Chemistry Laboratory	4
ENG 101	Academic Writing and Research ¹	4
FOR 150	Critical Thinking and Data Analysis ¹	2
ST 311	Introduction to Statistics	3
	rcise Studies (http://catalog.ncsu.edu/ ategory-requirements/gep-health-exercise-	1
GEP Requirement (h category-requirement	ttp://catalog.ncsu.edu/undergraduate/gep- ts/)	2
	Hours	16
Second Year	Hours	16
Second Year Fall Semester	Hours	16
		16 4
Fall Semester		
Fall Semester Chemistry or Physics	Elective (p. 2)	4
Fall Semester Chemistry or Physics FOR 172	Elective (p. 2) Forest System Mapping and Mensuration I 1	4
Fall Semester Chemistry or Physics FOR 172 FOR 339	Elective (p. 2) Forest System Mapping and Mensuration I 1	4 2 4
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p	Elective (p. 2) Forest System Mapping and Mensuration I 1 2)	4 2 4 3
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II	4 2 4 3 3
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours	4 2 4 3 3
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312 Spring Semester	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours p. 2) Professional Development II:	4 2 4 3 3 16
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312 Spring Semester Economics Elective (Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours p. 2) Professional Development II: Communications in Natural Resources ¹	4 2 4 3 <u>3</u> 16 3
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312 Spring Semester Economics Elective (FOR 250	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours p. 2) Professional Development II:	4 2 4 3 3 16 3 1
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312 Spring Semester Economics Elective (FOR 250 FOR 260	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours p. 2) Professional Development II: Communications in Natural Resources ¹ Forest Ecology ¹	4 2 4 3 3 16 3 1 4
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312 Spring Semester Economics Elective (FOR 250 FOR 260 SSC 200	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours p. 2) Professional Development II: Communications in Natural Resources ¹ Forest Ecology ¹ Soil Science	4 2 4 3 3 16 3 1 4
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312 Spring Semester Economics Elective (FOR 250 FOR 260 SSC 200 & SSC 201 MA 121	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours p. 2) Professional Development II: Communications in Natural Resources ¹ Forest Ecology ¹ Soil Science and Soil Science Laboratory Elements of Calculus or Calculus for Life and Management	4 2 4 3 3 16 3 1 4 4
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312 Spring Semester Economics Elective (FOR 250 FOR 260 SSC 200 & SSC 201 MA 121	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours p. 2) Professional Development II: Communications in Natural Resources 1 Forest Ecology 1 Soil Science and Soil Science Laboratory Elements of Calculus or Calculus for Life and Management Sciences A Hours	4 2 4 3 3 16 3 1 4 4 3
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312 Spring Semester Economics Elective (FOR 250 FOR 260 SSC 200 & SSC 201 MA 121 or MA 131	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours p. 2) Professional Development II: Communications in Natural Resources ¹ Forest Ecology ¹ Soil Science and Soil Science Laboratory Elements of Calculus or Calculus for Life and Management Sciences A Hours Silviculture ¹	4 2 4 3 3 16 3 1 4 4 3
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312 Spring Semester Economics Elective (FOR 250 FOR 260 SSC 200 & SSC 201 MA 121 or MA 131 Summer	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours p. 2) Professional Development II: Communications in Natural Resources ¹ Forest Ecology ¹ Soil Science and Soil Science Laboratory Elements of Calculus or Calculus for Life and Management Sciences A Hours Silviculture ¹ Forest Communities ¹	4 2 4 3 3 16 3 1 4 4 4 3 3
Fall Semester Chemistry or Physics FOR 172 FOR 339 Technical Elective (p ST 312 Spring Semester Economics Elective (FOR 250 FOR 250 FOR 260 SSC 200 & SSC 201 MA 121 or MA 131 Summer FOR 204	Elective (p. 2) Forest System Mapping and Mensuration I 1 2) Introduction to Statistics II Hours p. 2) Professional Development II: Communications in Natural Resources ¹ Forest Ecology ¹ Soil Science and Soil Science Laboratory Elements of Calculus or Calculus for Life and Management Sciences A Hours Silviculture ¹	4 2 4 3 3 16 3 1 4 4 3 3 15 2

FOR 273	Forest System Mapping and Mensuration II	
	Hours	9
Third Year		
Fall Semester		
FOR 303	Silvics and Forest Tree Physiology ¹	3
PB 220	Local Flora	3
Technical Elective	(p. 2)	4
NR 301	Practicum for Professional Development I	1
FOR 374	Forest Measurement, Modeling, and Inventory ¹	3
	Hours	14
Spring Semester		
Advanced Commu	inication Elective (p. 14)	3
FOR 304	Theory of Silviculture ¹	4
FOR 350	Professional Development III: Ethical Dilemmas in Natural Resource Management ¹	
Spatial Technolog	y Elective (p. 14)	3
GEP Requirement category-requirem	(http://catalog.ncsu.edu/undergraduate/gep- ents/)	3
	Hours	14
Fourth Year		
Fall Semester		
FW 404	Wildlife Habitat Management	3
FOR 430	Forest Health and Protection ¹	3
NR 460	Renewable Natural Resource Management and Policy ¹	3
GEP Requirement category-requirem	(http://catalog.ncsu.edu/undergraduate/gep- ents/)	3
Technical Elective	(p. 2)	4
	Hours	16
Spring Semester		
Capstone Elective	(p. 14)	4
Technical Elective	s (p. 2)	7
	(http://catalog.ncsu.edu/undergraduate/gep-	3
category-requirem	,	
	Hours	14
	Total Hours	128

¹ A grade of C- or better required.

Career Opportunities

Graduates in Forest Management are in high demand by state and federal land management agencies, forest products companies growing wood as a raw material, investment firms and insurance companies with land ownership portfolios, state forestry and agriculture extension services, the Peace Corps, environmental and wetland consulting firms, wood procurement companies, nursery and landscape management firms, and environmental organizations. After several years of experience, many graduates start their own businesses in forestry and land management consulting. Some graduates continue their education in graduate school to specialize in a wide variety of forestry and related programs.

Career Titles

- · Conservation Scientist
- Forest and Conservation Technician
- Forest Fire Inspectors and Prevention Specialist
- Forester
- Park Naturalist
- Range Manager
- Soil Conservationist

Learn More About Careers

NCcareers.org (https://nccareers.org/)

Explore North Carolina's central online resource for students, parents, educators, job seekers and career counselors looking for high quality job and career information.

Occupational Outlook Handbook (https://www.bls.gov/ooh/) Browse the Occupational Outlook Handbook published by the Bureau of Labor Statistics to view state and area employment and wage statistics. You can also identify and compare similar occupations based on your interests.

Career One Stop Videos (https://www.careeronestop.org/) View videos that provide career details and information on wages, employment trends, skills needed, and more for any occupation. Sponsored by the U.S. Department of Labor.

Focus 2 Career Assessment (https://careers.dasa.ncsu.edu/explorecareers/career-assessments/) (NC State student email address required) This career, major and education planning system is available to current NC State students to learn about how your values, interests, competencies, and personality fit into the NC State majors and your future career. An NC State email address is required to create an account. Make an appointment with your career counselor (https:// careers.dasa.ncsu.edu/about/hours-appointments/) to discuss the results.

Focus 2 Apply Assessment (https://www.focus2career.com/Portal/ Register.cfm?SID=1929) (Available to prospective students) A career assessment tool designed to support prospective students in exploring and choosing the right major and career path based on your unique personality, interests, skills and values. Get started with Focus 2 Apply and see how it can guide your journey at NC State.

Forestry and Environmental Resources Job Board (https://cnr.ncsu.edu/ jobs/forestry/?major=Natural%20Resources) Society of American Foresters (https://www.eforester.org//) National Association of Environmental Professionals (https:// www.naep.org/)