

Forestry and Environmental Resources (PhD)

Degree Requirements

The department offers training in all of the major sub-disciplines of forest, natural resources, and environmental-related science and management. Considerable flexibility is allowed in developing graduate programs tailored to the student's objectives.

Code	Title	Hours	Counts towards
Minor Courses		12	
Select a minor in another program			
Other Courses		24-60	
The additional courses that will be applied to reach 36-72 credit hours will be determined in conjunction with the academic committee			
Total Hours ¹		36-72	

¹ 72 total hours beyond a Bachelor's degree. Students with a Master's degree from another university can count 18 credit hours from their Master's. Students with a Master's degree from NC State can count 18-36 credits from their masters, following the Graduate School rules and regulations.

Forestry Courses

Code	Title	Hours	Counts towards
FOR 501	Dendrology	3	
FOR 502	Forest Measurements	1	
FOR 503	Tree Physiology	1	
FOR 504	The Practice of Silviculture	3	
FOR 505	Forest Management	4	
FOR 506	Silviculture Laboratory	1	
FOR 508	Applied Forest Ecology: Natural Forest Silviculture	3	
FOR 509	Forest Resource Policy	1	
FOR 513	Silviculture for Intensively Managed Plantations	3	
FOR 514	Woodland Stewardship	3	
FOR 519	Forest Economics	3	

FOR 520	Watershed and Wetlands Hydrology	4	
FOR 522	Consulting Forestry	3	
FOR 531	Wildland Fire Science	3	
FOR 532	Wildland Firefighter	3	
FOR 534	Forest Operations and Analysis	3	
FOR 540	Advanced Dendrology	3	
FOR 561	Forest Communities of the Southeastern Coastal Plain	1	
FOR 562	Forest Communities of the Southern Appalachians	1	
FOR 565	Plant Community Ecology	4	
FOR 574	Forest Mensuration and Modeling	3	
FOR 575	Advanced Terrestrial Ecosystem Ecology	3	
FOR 583	Tropical Forestry	3	
FOR 595	Special Topics	1-6	
FOR 601	Graduate Seminar	1	
FOR 603	Research Methods in Forestry and Environmental Resources	1	
FOR 610	Special Topics In Forestry	1-6	
FOR 630	Independent Study in Forestry	1	
FOR 685	Master's Supervised Teaching	1-3	
FOR 688	Non-Thesis Masters Continuous Registration - Half Time Registration	1	
FOR 689	Non-Thesis Master Continuous Registration - Full Time Registration	3	

FOR 693	Master's Supervised Research	1-9	Robert E. Bardon
FOR 695	Master's Thesis Research	1-9	Frederick Willis Cabbage
FOR 696	Summer Thesis Research	1	Christopher S. DePerno
FOR 713	Advanced Topics In Silviculture	3	Stith Gower
FOR 725	Forest Genetics	3	George R. Hess
FOR 726	Advanced Topics In Quantitative Genetics and Breeding	3	Gary Ray Hodge
FOR 727	Tree Improvement Research Techniques	3	Fikret Isik
FOR 728	Quantitative Forest Genetics Methods	3	John S. King
FOR 734	Advanced Forest Management Planning	3	Bailian Li
FOR 750	Ecological Restoration	3	Steven Edward McKeand
FOR 753	Environmental Remote Sensing	3	Ross Meentemeyer
FOR 784		4	Mark Megalos
FOR 795	Advanced Special Topics in Forestry	1-6	Christopher E. Moorman
FOR 801	Seminar	1	Stacy Arnold Charles Nelson
FOR 803	Research Methods in Forestry and Environmental Resources	1	Elizabeth Guthrie Nichols
FOR 810	Special Topics In Forestry	1-6	Marcus Peterson
FOR 885	Doctoral Supervised Teaching	1-3	Joseph Peter Roise
FOR 893	Doctoral Supervised Research	1-9	Robert Scheller
FOR 895	Doctoral Dissertation Research	1-9	Erin Odonnell Sills
FOR 896	Summer Dissertation Research	1	Mary Watzin
			Ross W. Whetten
			Justin Scott Baker
			Gary B. Blank
			Rachel Cook
			Caren Beth Cooper
			Jason Delborne
			Ryan Emanuel
			Madhusudan Katti
			Marcelo Ardon Sayao
			Theodore Henry Shear
			Mirela Tulbure
			Angela Malelya Allen
			Elizabeth Typhina
			Juan Jose Acosta
			Jennifer Richmond Bryant
			Jennifer Costanza

Professors

Robert Carroll Abt

Maricar Aguilos

Solomon Beyene Ghezehei

Stephanie Jeffries

Robert Miller Jetton

Roland Kays

Megan Lupek

Albert Edward Mayfield

Kevin M Potter

Douglas J. Frederick

Dennis W. Hazel

Associate Professor

Ivana Mali

Assistant Professors

Ayse Ercuman

Jodi Forrester

Josh Gray

Jordan Kern

Zakiya Holmes Leggett

Katie Martin

Meredith Pearl Martin

Kelly Felderhoff Oten

Jamain Pacitici

Rajan Parajuli

Kitt Payn

Leah Rathbun

Louie Rivers

Lindsey Suzanne Smart

Kurt Smith

Trevor Davis Walker

Jack Wang

Justin Graham Alexander Whitehill