

# Forestry and Environmental Resources (PhD)

## Degree Requirements

The department offers training in all of the major sub-disciplines of forestry, 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
<b>Required Courses</b>		<b>2</b>
FOR 801	Seminar	
FOR 803	Research Methods in Forestry and Environmental Resources	
<b>Other Courses</b>		<b>70</b>
The additional courses that will be applied to reach 36-72 credit hours will be determined in conjunction with the academic committee		
<b>Total Hours <sup>1</sup></b>		<b>36-72</b>

<sup>1</sup> 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
FOR 501	Dendrology	4
FOR 502	Forest Measurements	1
FOR 504	The Practice of Silviculture	3
FOR 505	Forest Management	4
FOR 506	Silviculture Laboratory	1
FOR 508	Hardwood Management: Natural Forest Silviculture	4
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 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
FOR 695	Master's Thesis Research	1-9
FOR 696	Summer Thesis Research	1
FOR 713	Advanced Topics In Silviculture	3
FOR 725	Forest Genetics	3
FOR 726	Advanced Topics In Quantitative Genetics and Breeding	3
FOR 727	Tree Improvement Research Techniques	3
FOR 728	Quantitative Forest Genetics Methods	2
FOR 734	Advanced Forest Management Planning	3
FOR 753	Environmental Remote Sensing	3
FOR 795	Advanced Special Topics in Forestry	1-6
FOR 801	Seminar	1
FOR 803	Research Methods in Forestry and Environmental Resources	1
FOR 810	Special Topics In Forestry	1-6
FOR 885	Doctoral Supervised Teaching	1-3
FOR 893	Doctoral Supervised Research	1-9
FOR 895	Doctoral Dissertation Research	1-9
FOR 896	Summer Dissertation Research	1

## Professors

Robert Carroll Abt

Maricar Aguilos

Robert E. Bardon

Caren Beth Cooper

Frederick Willis Cubbage

Christopher S. DePerno

Stith Gower

George R. Hess

Gary Ray Hodge

Fikret Isik

John S. King

Bailian Li

Steven Edward McKeand

Ross Meentemeyer

Mark Megalos

Christopher E. Moorman

Stacy Arnold Charles Nelson

Elizabeth Guthrie Nichols

Marcus Peterson

Joseph Peter Roise

Robert Scheller

Erin Odonnell Sills

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

Solomon Beyene Ghezehei

Stephanie Jeffries

Robert Miller Jetton

Roland Kays

Megan Lupek

Albert Edward Mayfield

Kevin M Potter

Douglas J. Frederick

Dennis W. Hazel

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## Associate Professor

Ivana Mali

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## 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

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## Practice/Research/Teaching Professor

Simone Lim-Hing