

# Microbiology (MR)

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## Degree Requirements

Code	Title	Hours	Counts towards
<b>Core Courses</b>		<b>12</b>	
Select at least four of the following courses:			
MB 535	Bacterial Pathogenesis		
MB 714	Microbial Metabolic Regulation		
MB 718	Introductory Virology		
MB 751	Immunology		
MB 758	Microbial Genetics & Genomics		
<b>Elective Courses</b>		<b>18</b>	
"Elective Courses" are determined in conjunction with the academic committee to meet the 30 total hours			
<b>Total Hours</b>		<b>30</b>	

## Additional Requirements

- An annual "Graduate Student Progress" evaluation form is completed by the student with his/her advisor and submitted to the Director of Graduate Programs (DGP)
- An overall grade point average of at least 3.00 on graduate course work at NCSU is required

## Faculty

### Full Professors

Prema Arasu  
 Rodolphe Barrangou  
 Frederick Breidt  
 Dennis T. Brown  
 Jose Manuel Bruno-Barcena  
 Susan B. Carson  
 Mari S. Chinn  
 Marc A. Cubeta  
 Francis De Los Reyes  
 Robert R. Dunn  
 Frederick J. Fuller  
 Amy Michele Grunden

Hosni Moustafa Hassan  
 Christine Veronica Hawkes  
 Shuijin Hu  
 Michael Hyman  
 Lee-Ann Jaykus  
 Sophia Kathariou  
 Robert M. Kelly  
 Matthew D. Koci  
 Scott M. Laster  
 Hsiao-Ching Liu  
 John M. Mackenzie Jr.  
 Eric S. Miller  
 Ian T. Petty  
 Barbara Sherry  
 Siddhartha Thakur  
 Jeffrey A. Yoder

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## Associate Professors

Nicolas Emile Buchler  
 Douglas Franklin Call  
 Jonathan E. Fogle  
 Reza A. Ghiladi  
 Megan E. Jacob  
 Cristina Lanzas  
 Jonathan W. Olson  
 Joshua Glenn Pierce  
 Frank Scholle  
 Michael L. Sikes  
 Robert G. Upchurch  
 Gavin John Williams

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## Assistant Professors

Oliver Baars  
 Benjamin John Callahan  
 Wei-Chen Chang

Nathan Crook

Kevin Garcia

Angela Rose Harris

Manuel Kleiner

Aram Arshak Mikaelyan

Ryan William Paerl

Ilenys Muniz Perez Diaz

Casey Michelle Theriot

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## **Emeritus Faculty**

Paul Edward Bishop

James W. Brown

Walter J. Dobrogosz

Gerald Hugh Elkan

Michael Carl Flickinger

Todd Robert Klaenhammer

Wesley Edwin Kloos

Geraldine Luginbuhl

Paul E. Orndorff

Leo W. Parks

Jason C. Shih

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## **Adjunct Faculty**

James M. Ligon

Maria Andrea Azcarate Peril

Scott Harold Shore

Daniel van der Lelie