Microbiology (MR)

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>12</td>
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<td></td>
<td>Select at least four of the following courses:</td>
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<tr>
<td>MB 535</td>
<td>Bacterial Pathogenesis</td>
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<tr>
<td>MB 714</td>
<td>Microbial Metabolic Regulation</td>
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<tr>
<td>MB 718</td>
<td>Introductory Virology</td>
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<tr>
<td>MB 751</td>
<td>Immunology</td>
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<tr>
<td>MB 758</td>
<td>Microbial Genetics &amp; Genomics</td>
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</table>

Elective Courses 18
“Elective Courses” are determined in conjunction with the academic committee to meet the 30 total hours

Total Hours 30

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

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

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