Microbiology (MR)

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core Courses</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>
<td></td>
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<tr>
<td>MB 714</td>
<td>Microbial Metabolic Regulation</td>
<td></td>
</tr>
<tr>
<td>MB 718</td>
<td>Introductory Virology</td>
<td></td>
</tr>
<tr>
<td>MB 751</td>
<td>Immunology</td>
<td></td>
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<td>MB 758</td>
<td>Microbial Genetics &amp; Genomics</td>
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<tr>
<td></td>
<td>Elective Courses</td>
<td>18</td>
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<tr>
<td></td>
<td>“Elective Courses” are determined in conjunction with the academic committee to meet the 30 total hours</td>
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<tr>
<td></td>
<td>Total Hours</td>
<td>30</td>
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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
James W. Brown
Susan B. Carson
Mari S. Chinn
Marc A. Cubeta
Robert R. Dunn
Frederick J. Fuller
Amy Michele Grunden
Hosni Moustafa Hassan
Christine Veronica Hawkes
Shuixin 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

Jose Manuel Bruno-Barcena
Nicolas Emile Buchler
Jonathan E. Fogle
Reza A. Ghiladi
Paul T. Hamilton
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
Angela Rose Harris
Manuel Kleiner
Ryan William Paerl
Ilenys Muniz Perez Diaz
Casey Michelle Theriot
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

Adjunct Faculty
James M. Ligon
Scott Harold Shore
Daniel van der Lelie