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>Core 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>
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<td>MB 718</td>
<td>Introductory Virology</td>
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<td>MB 751</td>
<td>Immunology</td>
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<td>MB 758</td>
<td>Microbial Genetics &amp; Genomics</td>
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<td>Select at least four of the following courses:</td>
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<td>Elective Courses</td>
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<td></td>
<td>Total Hours</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
- 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

Associate Professors

- Nicolas Emile Buchler
- 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
- Angela Rose Harris
Manuel Kleiner
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 Lugibuhl
Paul E. Orndorf
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