

# Microbiology (PhD)

The Department of Microbiology offers a Doctor of Philosophy degree in microbiology. The curriculum provides a high-caliber research-based education in molecular medicine in order to: promote understanding and amelioration of the disease process, train students with high academic potential in the health sciences and serve the university and scientific community.

**Program:** Microbiology

**Type:** PhD

## First Year (Fall)

Item #	Title	Credits
MICR-300	Biology of Pathogens I	5
BIOC-101	General Biochemistry	4
MICR-417	Seminar	3
<b>Sub-Total Credits</b>		<b>12</b>

## First Year (Spring)

Item #	Title	Credits
MICR-303	Biology of Pathogens II	4
MICR-305	Cell/Molecular Biology	3
BIOC-203	Biochemistry Laboratory	3
MICR-417	Seminar	3
<b>Sub-Total Credits</b>		<b>13</b>

## Second Year (Fall)

Item #	Title	Credits
MICR-304	Cellular and Molecular Immunology	4
MICR-417	Seminar	3
MICR-418	Special Topics in Microbiology	3
<b>Sub-Total Credits</b>		<b>10</b>

## Second Year (Spring)

Item #	Title	Credits
MICR-418	Special Topics in Microbiology	3
MICR-307	Virology	4
MICR-417	Seminar	3
BIOG-430	Biostatistics Lec/Lab	4
<b>Sub-Total Credits</b>		<b>14</b>

## Third Year (Fall)

\*Note: A maximum of 9 research credits may be taken per semester. In addition, a maximum of 18 research credits may be counted toward the 79 required for program completion.

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MICR-228	Research in Microbiology	1-9
<b>Sub-Total Credits</b>		<b>9</b>

## Third Year (Spring)

\*Note: A maximum of 9 research credits may be taken per semester. In addition, a maximum of 18 research credits may be counted toward the 79 required for program completion.

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MICR-228	Research in Microbiology	1-9
<b>Sub-Total Credits</b>		<b>9</b>

## Fourth Year (Fall)

\*Note: A maximum of 12 dissertation research credits may be taken per semester. In addition, a maximum of 12 dissertation research credits may be counted toward the 72 required for program completion.

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MICR-600	Dissertation Research	1-12
<b>Sub-Total Credits</b>		<b>6</b>

## Fourth Year (Spring)

\*Note: A maximum of 12 dissertation research credits may be taken per semester. In addition, a maximum of 12 dissertation research credits may be counted toward the 72 required for program completion.

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
MICR-600	Dissertation Research	1-12
<b>Sub-Total Credits</b>		<b>6</b>
<b>Total credits:</b>		<b>79</b>