

# PATHOGENESIS MINOR

This minor emphasizes human infectious disease to provide a strong foundation in the field of microbial pathogenesis. This is provided by academic coursework covering fundamental and advanced aspects of microbial pathogenesis from both the host and pathogen perspective.

## About this Program

- **College:** Agricultural and Life Sciences (<http://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/>)
- **Credits:** 12 | Completed with minimum grades of C

## Department Information

The Department of Microbiology & Cell Science is committed to excellence in education, research and service to the community. The curriculum provides an excellent preparation for students who wish to enter the workforce or continue their education in professional programs such as medical, dental, pharmacy, veterinary programs, graduate school, or public health degrees. BS degrees are offered through both the College of Agricultural and Life Sciences and the College of Liberal Arts and Sciences and the MS and PhD degrees are offered through the College of Agricultural and Life Sciences. Combination degrees are available.

**Website** (<http://microcell.ufl.edu/>)

## CONTACT

Email ([zinaahn@ufl.edu](mailto:zinaahn@ufl.edu)) | 352.392.1906 (tel) | 352.846.0950 (fax)

P.O. Box 110700  
1355 Museum Drive  
MICROBIOLOGY AND CELL SCIENCE BUILDING (MCSB)  
GAINESVILLE FL 32611-0700  
Map (<http://campusmap.ufl.edu/#/index/0981>)

## Curriculum

- Bioinformatics Minor
- Bioinformatics Minor UF Online
- Combination Degrees
- Microbiology and Cell Science UF Online
- Microbiology and Cell Science | CALS
- Microbiology and Cell Science | CLAS
- Pathogenesis Minor
- Pathogenesis Minor UF Online

This minor is open to all students who have completed BSC 2010 and MCB 3020 or MCB 3023, and who meet course prerequisites.

It is particularly appropriate for students majoring in animal sciences, biology, microbiology and cell science, plant pathology, public health, and zoology, and for those interested in professional programs in dentistry, medicine, pharmacy, or veterinary medicine.

## Allowed Overlap with MCY or MCB major

Microbiology and Cell Science majors should meet with their academic advisors before applying to this minor to plan a program of study. Students must complete a minimum of six credits of coursework exclusive to the minor that cannot count toward the major(s) or other minors.

## Prerequisites

| Code                    | Title   | Credits |
|-------------------------|---|---------|
| BSC 2010                | Integrated Principles of Biology 1                            | 3       |
| MCB 3020<br>or MCB 3023 | Basic Biology of Microorganisms<br>Principles of Microbiology | 3       |

## Required Courses

| Code              | Title   | Credits |
|-------------------|---|---------|
| Select 3 courses: |   |         |
| MCB 4203          | Bacterial Pathogens (Fall only) <sup>1</sup>            | 9       |
| MCB 4422          | Probiotics (Spring only) <sup>1</sup>                   |         |
| MCB 4503          | General Virology (Fall and Spring) <sup>1</sup>         |         |
| MCB 4271          | Antimicrobial Resistance (Fall and Spring) <sup>1</sup> |         |
| PCB 4233          | Immunology (Spring only) <sup>1</sup>                   |         |

|                      |   |           |
|----------------------|---|-----------|
| ZOO 4232             | Human Parasitology (Fall only) <sup>1</sup> | 3         |
| Approved elective    |   | 3         |
| <b>Total Credits</b> |   | <b>12</b> |

## Approved Elective

Any of the Required Courses can be taken to satisfy the elective if not already taken as a Required Course

| Code      | Title  | Credits |
|-----------|--|---------|
| PLP 4222C | Introduction to Plant Virology (Spring only)               | 3       |
| PLP 4242C | Introduction to Plant Bacteriology (Spring only)           | 3       |
| PLP 4260C | Introduction to Plant Pathogenic Fungi (Spring only)       | 3       |
| SWS 4307  | Ecology of Waterborne Pathogens (Spring only) <sup>1</sup> | 3       |

<sup>1</sup> May be taken online.

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