This award is a non-admitting degree for PhD students in Microbiology (http://guide.wisc.edu/graduate/bacteriology/microbiology-phd/#text) who have completed appropriate coursework but leave the program prior to completion of the doctorate degree requirements.

**ADMISSIONS**

This master’s program is offered for work leading to the PhD. Students may not apply directly for the master’s, and should instead see the admissions information for the PhD (http://guide.wisc.edu/graduate/bacteriology/microbiology-phd/).

**FUNDING**

**GRADUATE SCHOOL RESOURCES**

Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information (https://grad.wisc.edu/funding/) is available from the Graduate School. Be sure to check with your program for individual policies and restrictions related to funding.

**REQUIREMENTS**

**MINIMUM GRADUATE SCHOOL REQUIREMENTS**

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirementstext), in addition to the program requirements listed below.

**MAJOR REQUIREMENTS**

**MODE OF INSTRUCTION**

<table>
<thead>
<tr>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Mode of Instruction Definitions

**Accelerated:** Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

**Evening/Weekend:** Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

**Face-to-Face:** Courses typically meet during weekdays on the UW-Madison Campus.

**CURRICULAR REQUIREMENTS**

**Required Courses**

Students can only earn the MS in Microbiology on the path to the PhD.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICROBIO 810</td>
<td>Current Issues in Microbiology</td>
<td>1</td>
</tr>
<tr>
<td>MICROBIO 811</td>
<td>Advanced Problems in Microbiology</td>
<td>1</td>
</tr>
<tr>
<td>Microbiome</td>
<td>Students must complete at least three courses from the following list.</td>
<td>8</td>
</tr>
<tr>
<td>GENETICS/</td>
<td>Eukaryotic Molecular Biology</td>
<td></td>
</tr>
<tr>
<td>BIOCHEM/MD GENET 620</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GENETICS 885</td>
<td>Advanced Genomic and Proteomic Analysis</td>
<td></td>
</tr>
<tr>
<td>MICROBIO 526</td>
<td>Physiology of Microorganisms</td>
<td></td>
</tr>
<tr>
<td>MICROBIO 607</td>
<td>Advanced Microbial Genetics</td>
<td></td>
</tr>
<tr>
<td>GENETICS/</td>
<td>Prokaryotic Molecular Biology</td>
<td></td>
</tr>
<tr>
<td>BIOCHEM/MICROBIO 612</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MICROBIO 657</td>
<td>Bioinformatics for Microbiologists</td>
<td></td>
</tr>
<tr>
<td>MICROBIO 710</td>
<td>Microbial Symbiosis</td>
<td></td>
</tr>
<tr>
<td>MICROBIO/BMOLCHEM 668</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MICROBIO 875</td>
<td>Special Topics</td>
<td></td>
</tr>
<tr>
<td>M M &amp; I/PATH-</td>
<td>Immunology</td>
<td></td>
</tr>
<tr>
<td>BIO 528</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hybrid:** These programs combine face-to-face and online learning formats. Contact the program for more specific information.

**Online:** These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.
up to 6 credits numbered 300 or above completed at UW–Madison toward

For well-prepared advanced students, the program may decide to accept

UW-Madison

Undergraduate Credits Earned at Other Institutions or

used to satisfy requirements.

Coursework earned more than ten years prior to admission to the master’s degree may not be

fulfillment of minimum degree and minor credit requirements. This work

would not be allowed to count toward the 50% graduate coursework

minimum unless taken in coursework numbered 700 or above. Coursework earned more than ten years prior to admission to the master’s degree may

not be used to satisfy requirements.

Credits Earned as a Professional Student at UW–Madison (Law, Medicine, Pharmacy, and Veterinary careers)

Refer to the Graduate School: Transfer Credits for Prior Coursework (https://policy.wisc.edu/library/UW-1216/) policy.

Credits Earned as a University Special student at UW–Madison

The program may decide to accept up to 15 University Special student
credits as fulfillment graduate degree, or minor credit requirements

on occasion as an exception (on a case-by-case basis). UW–Madison coursework taken as a University Special student would not be allowed
to count toward the 50% graduate coursework minimum unless taken
in coursework numbered 700 or above or are taken to meet the
requirements of a capstone certificate and has the “Grad 50%” attribute.
Coursework earned more than ten years prior to admission to the master’s
degree may not be used to satisfy requirements.

PROBATION

Refer to the Graduate School: Probation (https://policy.wisc.edu/library/UW-1217/) policy.

ADVISOR / COMMITTEE

Every graduate student is required to have an advisor. To ensure that students are making satisfactory progress toward a degree, the Graduate
School expects them to meet with their advisor on a regular basis.

An advisor generally serves as the thesis advisor. In many cases, an
advisor is assigned to incoming students. Students can be suspended
from the Graduate School if they do not have an advisor. An advisor is a
faculty member, or sometimes a committee, from the major department
responsible for providing advice regarding graduate studies.

A committee often accomplishes advising for the students in the early
stages of their studies. A student’s committee is required to have
five faculty members, two of which must hold appointments in either
Bacteriology or Medical Microbiology and Immunology.

CREDITS PER TERM ALLOWED

15 credits

TIME LIMITS

Refer to the Graduate School: Time Limits (https://policy.wisc.edu/library/UW-1221/) policy.

GRIEVANCES AND APPEALS

These resources may be helpful in addressing your concerns:

• Bias or Hate Reporting (https://doso.students.wisc.edu/bias-or-hate-reporting/)
• Graduate Assistantship Policies and Procedures (https://hr.wisc.edu/policies/gapp/#grievance-procedure)
• Hostile and Intimidating Behavior Policies and Procedures (https://hr.wisc.edu/hib/)
• Office of the Provost for Faculty and Staff Affairs (https://facstaffprovost.wisc.edu/)
In the College of Agricultural and Life Sciences (CALS), any student who feels unfairly treated by a member of the CALS faculty or staff has the right to complain about the treatment and to receive a prompt hearing. Some complaints may arise from misunderstandings or communication breakdowns and be easily resolved; others may require formal action. Complaints may concern any matter of perceived unfairness.

To ensure a prompt and fair hearing of any complaint, and to protect the rights of both the person complaining and the person at whom the complaint is directed, the following procedures are used in the College of Agricultural and Life Sciences. Any student, undergraduate or graduate, may use these procedures, except employees whose complaints are covered under other campus policies.

1. The student should first talk with the person at whom the complaint is directed. Most issues can be settled at this level. Others may require formal action. Complaints may concern any matter of perceived unfairness.

2. If the student is unsatisfied, and the complaint involves any unit outside CALS, the student should seek the advice of the dean or director of that unit to determine how to proceed.
   a. If the complaint involves an academic department in CALS the student should proceed in accordance with item 3 below.
   b. If the grievance involves a unit in CALS that is not an academic department, the student should proceed in accordance with item 4 below.

3. The student should contact the department’s grievance advisor within 120 calendar days of the alleged unfair treatment. The departmental administrator can provide this person’s name. The grievance advisor will attempt to resolve the problem informally within 10 working days of receiving the complaint, in discussions with the student and the person at whom the complaint is directed.
   a. If informal mediation fails, the student can submit the grievance in writing to the grievance advisor within 10 working days of the date the student is informed of the failure of the mediation attempt by the grievance advisor. The grievance advisor will provide a copy to the person at whom the grievance is directed.
   b. The grievance advisor will refer the complaint to a department committee that will obtain a written response from the person at whom the complaint is directed, providing a copy to the student. Either party may request a hearing before the committee. The grievance advisor will provide both parties a written decision within 20 working days from the date of receipt of the written complaint.
   c. If the grievance involves the department chairperson, the grievance advisor or a member of the grievance committee, these persons may not participate in the review.
   d. If not satisfied with departmental action, either party has 10 working days from the date of notification of the departmental committee action to file a written appeal to the CALS Equity and Diversity Committee. A subcommittee of this committee will make a preliminary judgement as to whether the case merits further investigation and review. If the subcommittee unanimously determines that the case does not merit further investigation and review, its decision is final. If one or more members of the subcommittee determine that the case does merit further investigation and review, the subcommittee will investigate and seek to resolve the dispute through mediation. If this mediation attempt fails, the subcommittee will bring the case to the full committee. The committee may seek additional information from the parties or hold a hearing. The committee will present a written recommendation to the dean who will provide a final decision within 20 working days of receipt of the committee recommendation.

4. If the alleged unfair treatment occurs in a CALS unit that is not an academic department, the student should, within 120 calendar days of the alleged incident, take his/her grievance directly to the Associate Dean of Academic Affairs. The dean will attempt to resolve the problem informally within 10 working days of receiving the complaint. If this mediation attempt does not succeed the student may file a written complaint with the dean who will refer it to the CALS Equity and Diversity Committee. The committee will seek a written response from the person at whom the complaint is directed, subsequently following other steps delineated in item 3d above.

OTHER
We offer funding to all students in the program through fellowships, trainees and research assistantships.

PROFESSIONAL DEVELOPMENT
GRADUATE SCHOOL RESOURCES
Take advantage of the Graduate School’s professional development resources (https://grad.wisc.edu/pd/) to build skills, thrive academically, and launch your career.
LEARNING OUTCOMES

1. Demonstrate a scientific understanding of the field of microbiology and/or immunology.
2. Identify and utilize scientific methodologies and practices appropriate to the field of study.
3. Articulate scientific theories, methodologies and research approaches in microbiology and/or immunology.
4. Identify sources and assemble evidence pertaining to questions or challenges in the field of microbiology and/or immunology.
5. Evaluate and synthesize information pertaining to questions or challenges in the field of microbiology and/or immunology.
6. Communicate clearly in ways appropriate to the field of scientific study.
7. Recognize, understand and apply principles of ethical and professional conduct appropriate to the field of study.
8. Understand and apply principles of laboratory safety in the field of study.

PEOPLE

Faculty: Professors JD Sauer (program director, Medical Microbiology and Immunology), and Trina McMahon (vice-director, Bacteriology) lead the current MDTP Steering Committee. For a list of more than 90 participating faculty, see the program website (http://www.microbiology.wisc.edu/) or contact the program office.