



Twin Cities Campus

Plant and Microbial Biology Minor

Plant and Microbial Biology

College of Biological Sciences

Link to a [list of faculty](#) for this program.

Contact Information:

Plant and Microbial Biology Graduate Program, 1479 Gortner Avenue, Suite 140, St. Paul, MN 55108 (612-625-4222)

Email: pmb@umn.edu

Website: <https://cbs.umn.edu/academics/departments/pmb/graduate-education>

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2022
- Length of program in credits (Masters): 6
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

Plant and microbial biology encompasses all aspects of plant and microbial life, from molecular biology to genomics to ecosystem science. Students study plants from the sub-cellular and molecular to the whole plant and community levels of biological organization. They also have opportunities for laboratory and field research at state, national, and international levels. Each student's program is planned to meet individual requirements within the framework of a multidisciplinary core of coursework.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

The preferred undergraduate GPA for admittance to the program is 3.00.

Special Application Requirements:

Refer to the Plant and Microbial Biology website for full details on application requirements and procedures:

<https://cbs.umn.edu/academics/departments/pmb/graduate-education>.

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.

Program Requirements

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

Program Sub-plans

Students are required to complete one of the following sub-plans.

Students may not complete the program with more than one sub-plan.

Masters-level Minor

Take at least 6 credits, chosen in consultation with the Plant and Microbial Biology director of graduate studies.

Doctoral-level Minor

Take at least 12 credits, chosen in consultation with the Plant and Microbial Biology director of graduate studies.