

**The Ohio State University
College of Food, Agricultural, and Environmental Sciences**

Mycology Minor (MYCOL-MN)

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The Minor in Mycology is designed to provide essential knowledge and training for careers where fungi are major players. For example, fungi are important in microbiology/healthcare, agriculture and plant disease management, ecology and forestry, fermentation/brewing and food science. The Minor in Mycology is also valuable to students interested in multiple areas of biology and chemistry research, including natural products discovery and synthetic biology. The Minor in Mycology is open to all students with introductory training in biology (one prior course in the Biological Sciences).

Required core courses (4 credits):

- PLNTPH 5040: Science of Fungi: Mycology Lecture (3)
- PLNTPH 5041: Science of Fungi: Mycology Lab (1)

Select at least one (3 credits):

- PLNTPH 5050: Plant Pathogenic Fungi (3)
- MICROBIO 5147: Eukaryotic Pathogens² (3)
- FDSCTE 5430: Food Fermentations³ (3)

Select two to three of the following Electives (5-7 credits):

- PLNTPH 2000: Molds, Mushrooms and Man (3)
- MICROBIO 2100: Wild Yeast: Isolation to Fermentation⁴ (3)
- FDSCTE 2410: Brewing Science⁴ (2)
- PLNTPH 3001: General Plant Pathology Lecture¹ (3)
- PLNTPH 3333: Field and Woodland Fungi (2)
- PLNTPH 3920: Psychedelic Studies: Neurochemistry, Plants, Fungi, and Society (3)
- PLNTPH 4321: Managing Biological Invasions for Forest Sustainability (3)
- PLNTPH 4998: Undergraduate Research⁵ (1-3)
- SENR 4998: Undergraduate Research⁵ (1-3)
- MICROBIO 4998(H): Undergraduate Research⁵ (1-3)
- EEOB 4998(H): Undergraduate Research⁵ (1-3)
- EEOB 5798 & EEOB 3193: Tropical Behav. Ecol. & Evol (with approved mycology focus) (4)
- PLNTPH 5050: Plant Pathogenic Fungi (If not taken above) (3)
- MICROBIO 5147: Eukaryotic Pathogens² (If not taken above) (3)
- FDSCTE 5430: Food Fermentations³ (If not taken above) (3)

¹ requires prerequisite of BIO 1113

² requires prerequisite of MICROBIO 4100 or permission of instructor

³ requires prerequisite of MICROBIO 4000

⁴ requires prerequisites of BIO 1113 & CHEM 1110/1210/1610 or permission of instructor

⁵ up to 3 credits in mycology-related research (approved by the coordinator of the minor) may be used toward this minor

Mycology Minor Program Guidelines

Credit hours required: 12-14 credit hrs. 1000-level courses shall not be counted in the minor. At least 6 credits must be upper-level courses as defined by the College of Food, Agricultural, and Environmental Sciences (3000-level or above).

Transfer and EM credit hours allowed: A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.

Overlap with the GE: A student is permitted to overlap up to 6 credit hours between the GE and the minor.

Overlap with the major and additional minor(s):

- The minor must be in a different subject than the major.
- The minor must contain a minimum of 12 credit hours distinct from the major and/or additional minors (i.e. if a minor requires more than 12 credit hours, a student is permitted to overlap those hours beyond 12 with the major or with another minor).

Grades required:

- Minimum C- for a course to be listed on the minor.
- Minimum of 2.0 cumulative GPA for all minor course work.
- Course work graded Pass/Non-Pass cannot count in the minor.
- No more than 3 credit hours of coursework graded Satisfactory/Unsatisfactory may count toward the minor.

X193 credits: No more than 3 credit hours.

Minor approval: The minor program must be approved by an advisor in the College of Food, Agricultural, and Environmental Sciences (Room 100 Ag. Admin Building, 2120 Fyffe Rd.)

Filing the minor program form: The minor program form must be filed at least by the time the graduation application is submitted to a college advisor.

Changing the minor: Once the minor program is filed in the college office, any changes must be approved by the Mycology Minor coordinator

College of Arts and Sciences
Curriculum and Assessment Services
306 Dulles Hall, 230 Annie & John Glenn Ave.
<http://artsandsciences.osu.edu>
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