The Ohio State University
College of Arts and Sciences

Plant Cellular and Molecular Biology Minor (PCMB-MN)

Department of Molecular Genetics
984 Biological Sciences Building
484 West 12th Avenue
Columbus, OH 43210
https://molgen.osu.edu

Phone: 614-292-8084

Plant Cellular and Molecular Biology Minor:
Students can earn the Plant Cellular and Molecular Biology Undergraduate Minor by completing the necessary prerequisites and required courses. The minor program must be approved by a Plant Biology faculty advisor from the Department of Molecular Genetics. Students who began the Plant Cellular and Molecular Biology minor under the quarter system and graduate under the semester system should contact their Plant Biology faculty advisor for specific advice on completing the minor under the semester system.

Required Prerequisites:

- Biology 1113 and 1114
- Chemistry 1210 and 1220
  (Honors or more advanced versions of these prerequisites may be substituted)

Required Core Courses:

- Molecular Genetics 3300

Elective courses (must total at least 11 semester credit hours):

- Molecular Genetics courses:
  3436, 4503, 5193, 5194, 5601 or 5602, 5630, 5643, 5735,
- In order to count toward the Plant Biology minor, MOLGEN 4503, 4998, 4998H, 5193, and 5194 must be carried out in a Plant Biolgy laboratory and/or on a plant topic. Lab classes 5601 and 5602 must contain a plant module to count towards the Plant Biology minor.
- Up to 3 semester credit hours of MOLGEN 4998 (or 4998H) Undergraduate Research and/or 4999 (or 4999H) Thesis Research can count towards the Plant Biology minor. Credit hours of 4999 or 4999H that are fulfilling a requirement for a research thesis can NOT count towards the minor
- No more than 3 semester hours graded as S/U can count toward the minor.
- Other elective courses may be substituted with permission of advisor.

Plant Cellular and Molecular Biology minor program guidelines

Required for graduation No

Credit hours required A minimum of 14 credit hrs. 1000-level courses shall not be counted in the minor. At least 6 credits must be upper-level courses.

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 two courses between the GE and the minor as long as the minor consists of at least 4 courses.

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 hours distinct from the major and/or additional minor(s).

Grades required
• Minimum C- for a course to be listed on the minor.
• Minimum 2.00 cumulative GPA for all minor course work.
• Course work graded Pass/Non-Pass cannot count on the minor.
• No more than 3 credit hours of coursework graded Satisfactory/Unsatisfactory may count toward the minor.

5193 credits No more than 3 credit hours.

Minor approval The minor course work must be approved by the academic unit offering the minor.

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/school counselor.

Changing the minor Once the minor program is filed in the college office, any changes must be approved by the academic unit offering the minor

College of Arts and Sciences
Curriculum and Assessment Services
154 Denney Hall, 164 Annie and John Glenn Ave.
http://artsandsciences.osu.edu

Received 8/24/12 DH
BV 7-7-15
DH 7-30-19
DH 6-9-21
Updated 10-27-2026 MCR