



Agripharmatech: Plant Biotechnology Certificate of Achievement

SAMPLE

2018-19
 (30 credits)

The CA in Agripharmatech: Plant biotechnology track deals with developing and improving plant production in order to supply the world's need for healthier (decreased use of pesticides) and more nutritious food crops, novel ornamentals, and plant-derived pharmaceuticals.

This is an example of an educational plan which can serve as a guideline to create your own academic pathway.

| Year 1 | Year 2 |
|--|---------------------------|
| Fall Semester | Fall Semester: |
| AG 152 Orchid Culture 3 | |
| ENG 100 <u>OR</u> Composition I Prereq: "C" or better in ENG 22 or "C" or better in ENG 23 3 | |
| SP 151 and corequisite enrollment in ENG 100X <u>OR</u> Personal and Public Speech Prereq: Placement in ENG 21 or ENG 23 or higher | |
| MATH 100 or higher College Algebra Prereq: "C" or better in MATH 25, 28, 75X or equivalent, satisfactory math placement test score, or consent of instructor 3 | |
| MICR 130 General Microbiology 3 | |
| MICR 140L General Microbiology Lab Prereq: Credit for or registration in MICR 130; placement into MATH 24 25, 26, 28, 29, 82 or higher 2 | |
| Credits 14 | Credits |
| Spring Semester: | Spring Semester: |
| BOT 210 or Phytobiotechnology Prereq: Credit for or registration in BOT 101, or AG 152 or MICR 130 and MICR 140L, or BIOL 171 and 171L; placement into MATH 100 or higher OR 4 | |
| BIOL 275/275L Cell & Molecular Biology Prereq: "C" or better in BIOL 171/171L and CHEM 272/272L. Coreq: BIOL 275L or consent | |
| BOT 160 <u>OR</u> Identification of Tropical Plants (3) OR 3/4 | |
| BOT 101/L <u>OR</u> General Botany/Lab Rec Prep: High school biology (3/1) OR | |
| BIOL 172/L General Biology II /Lab Prereq: BIOL 171; Concurrent enrollment in BIOL 172L (3/1) | |
| Elective 3 | |
| Elective 3 | |
| Elective 3/2 | |
| Credits 16 | Credits |
| Summer Semester: | Summer Semester: |
| | |
| Credits | Credits |
| Total Credits for the Year 30 | Total Credits for 2 Years |

AGPT-PBT

Notes:

- Cumulative GPA of 2.0 or higher for all course work taken in fulfillment of degree.
- At least 20% of the required courses in the major area must be earned at the College.
- When there is a break in enrollment (not attending fall or spring semester), you must use the graduation requirements in effect t the time you return to WCC.

- The last day for graduation certification is the last day of instruction.

| Plant Biotechnology Electives | | | |
|-------------------------------|--|---------------|--------------------------------|
| BIOL 171/171L | General Biology I (3/1) | CHEM 161/161L | General Chemistry I/Lab (3/1) |
| BOT 192 | Special Topics | CHEM 162/162L | General Chemistry II/Lab (3/1) |
| BOT 199/299 | Independent Study (1-4, with approval) Involves plant biotechnology research | | |