

Name: _____

UH ID: _____

AGRIPHARMATECH
PLANT BIOTECHNOLOGY 2023-24
Graduation Checklist for Windward Community College
CERTIFICATE OF ACHIEVEMENT (CA) – 30 credits

The CA in Agripharmatech: Ethnopharmacognosy will prepare students to enter occupations for employment as Food Scientists and Technologists, Soil and Plant Scientists, Microbiologists, Biological Scientists, Conservation Scientists, Life Scientists, Agricultural and Food Science Technicians, Biological Technicians, Forensic Science Technicians, or Forest and Conservation Technicians. The students receive hands-on training in basic/applied sciences and research in botany, microbiology, orchidology, chemistry, cell and molecular biology, plant tissue culture, phytochemistry and ethnopharmacognosy. The CA A-PB focuses on the study of plant/orchid tissue culture, plant molecular phylogenetic and genetic engineering.

This certificate consists of 30 credits. See course descriptions for prerequisites.

This is not an official document. Check catalog for course description and prerequisite. **Check course core designation at the Class Availability website. Course core designation may differ at the various UH campuses.** See your academic counselor if you need help.

| | | COURSE | CREDIT | GRADE | TERM |
|--|---|----------------------|-----------|-------|------|
| REQUIRED CAPSTONE CLASS – 4-5 credits | | | | | |
| BOT 210 | Phytochemistry (4) | | 4/5 | | |
| or BIOL 275/275L | Cell and Molecular Biology (3/2) | | | | |
| or SCI 295PB | Intro to STEM Research in Plant Biotechnology (4) | | | | |
| REQUIRED COURSES – 17-18 credits | | | | | |
| AG 152 | Orchid Culture (3) | | 3 | | |
| AG 120 | Plant Science (3) | | 3/4 | | |
| or BIOL 172/172L | General Biology II/Lab (3/1) | | | | |
| or BOT 160 | Identification of Tropical Plants (3) | | | | |
| or BOT 101/101L | General Botany/Lab (3/1) | | | | |
| ENG 100 | Composition I (3) | | 3 | | |
| or SP 151 | Personal and Public Speech (3) | | | | |
| MATH 100 | Survey of Mathematics or higher | | 3 | | |
| MICRO 130 | General Microbiology (3) | | 3 | | |
| MICR 140L | General Microbiology Lab (2) | | 2 | | |
| ELECTIVE COURSES – 8-9 credits | | | | | |
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| | | Total Credits | 30 | | |

| Plant Biotechnology Electives | | | |
|--------------------------------------|---|---------------|---|
| BIOL 171/171L | General Biology I/Lab (3/1) | BUS 122 | Intro to Entrepreneurship (3) |
| BOT 192 | Special Topics | CHEM 161/161L | General Chemistry I/Lab (3/1) |
| BOT 199/299 | Independent Study (1-4, with approval) Involves Plant Biotechnology Research | CHEM 162/162L | General Chemistry II/Lab (3/1) |
| | | SCI 295PB | Intro to STEM Research in Plant Biotechnology (4) |

AGPT-PBT

Graduation Requirements

- 2.0 cumulative grade point average.
- Residency requirement: At least 20% of the required courses in the major area (the final credits) must be earned at the College. Under certain circumstances, this requirement may be waived upon request made to the Vice Chancellor of Academic Affairs.
- Any one course can fulfill only one area.
- Last day for graduation certification is the last day of instruction.