

Name: \_\_\_\_\_

UH ID: \_\_\_\_\_

**AGRIPHARMATECH  
ETHNOPHARMACOGNOSY 2022-23  
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, phytobiotechnology and ethnopharmacognosy. The CA A-EP focuses on the study of plant-based pharmaceutical / nutraceutical product manufacturing.

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
<b>REQUIRED CAPSTONE CLASS – 4 credits</b>					
BOT 205	Ethnobotanical Pharmacognosy (4)		4		
or SCI 295EP	Intro to STEM Research in Ethnobotanical Pharmacognosy (4)				
<b>REQUIRED COURSES – 17-18 credits</b>					
AG 152	Orchid Culture (3)		3		
BOT 160	Identification of Tropical Plants (3)		3/4		
or BOT 101/101L	General Botany/Lab (3/1)				
or BIOL 172/172L	General Biology II/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		
<b>ELECTIVE COURSES – 8-9 credits</b>					
<b>Total Credits</b>			<b>30</b>		

<b>Ethnopharmacognosy Electives</b>			
AG 149	Plant Propagation (3)	BOT 199/ 299	Independent Study (1-4, with approval) Involves Pharmaceutical/ Nutraceutical Research
BOT 105	Ethnobotany (3)	CHEM 161/ 161L	General Chemistry II/ Lab (3/1)
BOT 130/130L	Plants in the Hawaiian Environment/Lab (3/1)	FSHN 185	Human Nutrition (3)
BOT 192	Special Topics	SCI 295EP	Intro to STEM Research in Ethnobotanical Pharmacognosy (4)

AGPT-EPCG

### 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.