



Agripharmatech: Ethnopharmacognosy Certificate of Achievement

2019-20
 (30 credits)

SAMPLE

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.

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 OR SP 151	Composition I Prereq: "C" or better in ENG 22 or placement into ENG 100 or "C" or better in ENG 23 and corequisite enrollment in ENG 100X OR Personal and Public Speech Prereq: Placement in ENG 21 or ENG 23 or higher	3			
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			
Elective		3			
Elective		3			
		Credits 15	Credits		
Spring Semester:			Spring Semester:		
BOT 205	Ethnobotanical Pharmacognosy Prereq: Credit for or registration in any of these courses: BOT 101, BOT 105, BOT 130, MICR 130, MICR 140, BIOL 172/172L, or CHEM 152/152L	4			
BOT 160 OR BOT101/L OR BIOL 172/L	Identification of Tropical Plants (3) OR General Botany/Lab Rec Prep: High school biology (3/1) OR General Biology II /Lab Prereq: BIOL 171; Concurrent enrollment in BIOL 172L (3/1)	3/4			
MICR 130	General Microbiology	3			
MICR 140 L	General Microbiology Lab Prereq: Credit for or registration in MICR 130; placement into MATH 24, 25,26, 28, 29, 82 or higher.	2			
Elective		3/2			
		Credits 15	Credits		
Summer Semester:			Summer Semester:		
		Credits	Credits		
Total Credits for the Year		30	Total Credits for 2 Years		

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 at the time you return to WCC.
- The last day for graduation certification is the last day of instruction.

Plant Ethnopharmacognosy Electives			
AG 149	Plant Propagation (3)	BOT 130/L	Plants in the Hawaiian Environment (3/1)
BOT 105	Ethnobotany (3)	CHEM 161/161L	General Chemistry I/Lab (3/1)
BOT 192	Special Topics	FSHN 185	Human Nutrition (3)
BOT 199/299	Independent Study (1-4, with approval) Involves pharmaceutical research		