

MEDICAL CANNABIS CERTIFICATE

Program Description

In this certificate program, you will discover the rich history and potential of medical cannabis. You will begin by learning the applications of cannabis medicine, analyzing ancient medical practices and juxtaposing them with modern applications. By examining the evolution of medical cannabis growth and production methods, you will gain insight into the plant's pharmacology and extraction methods.

Through instruction and practice, you will explore the impact of growing conditions, cannabinoids, and extraction methods on health benefits. You will also investigate the role of the endocannabinoid system as a neuromodulator, recognizing cannabis as a complex plant with hundreds of bioactive compounds. You will build an understanding of the nuances of drug metabolism for individual patients and discover potential side effects and interactions. Finally, you'll explore FDA drug approval processes and the importance of testing medical cannabis products. Join us to unlock the multifaceted world of medical cannabis and its potential to revolutionize healthcare.

Familiarity with college-level biology or chemistry as well as some background in basic pharmacology and/or botanical/plant biology will help you be successful in this program.

You will be asked to purchase ingredients and other materials for various activities and projects before your courses begin. This may amount to \$35. You will receive a full list of materials at the time of enrollment.

The courses in this certificate program are required to be completed in the order that they appear.

Note: Cornell University, as a federally funded institution, cannot accept payment directly from cannabis companies. This program contains information about cannabis, a federally illegal substance, and is intended for individuals aged 21 and above.

Key Takeaways

- Distinguish medical cannabis from other usage within historical and legal contexts
- Determine optimal conditions for growing and collection to obtain suitable plant material for medical extraction methods
- Discover the medical relevance of the endocannabinoid system
- Analyze the pharmacological processes associated with medical cannabis
- Examine the drug discovery and approval process as it relates to medical cannabis

What You'll Earn

- Medical Cannabis Certificate from Cornell's College of Agriculture and Life Sciences
- 50 Professional Development Hours (5 CEUs)

Who Should Enroll

- Doctors, nurses, and clinicians
- Wellness coaches, dietitians, and nutritionists

- Dispensary employees and budtenders
- Entrepreneurs and R&D professionals

Total Investment

- 2.5 months to complete all the courses

How to Enroll

For more information on how to enroll, please visit Medical Cannabis Certificate (<https://ecornell.cornell.edu/certificates/food-and-plant-science/medical-cannabis/>).

Courses

Code	Title	Hours
eCornell CALS261	Medical Cannabis: History, Legislation, and Chemistry	0
eCornell CALS262	Medical Cannabis Extraction	0
eCornell CALS263	The Role of the Endocannabinoid System	0
eCornell CALS264	The Pharmacology of Medical Cannabis	0
eCornell CALS265	Developing Medical Cannabis Products	0