HEMP PROCESSING CERTIFICATE

Program Description

Whether you're a cultivator, processor, or marketer, this certificate program is designed to equip you with the knowledge and skills necessary to navigate the complexities of the rapidly evolving hemp market. The courses cover a wide range of topics, from the biological characteristics of the hemp plant and its diverse applications to the intricate processes involved in cannabinoid extraction and the historical and current significance of hemp in various industries.

As you progress through the program, you will have the opportunity to review the nuances of the hemp industry, focusing on the plant's genetic variations, market classifications, and the legal distinctions between hemp and marijuana. You'll also gain a deep understanding of the cannabinoid extraction process, including the isolation and refinement of phytochemicals such as CBD and THC, as well as the tools used for cannabis analysis. In addition, you'll explore the history of hemp grain and fiber, the unique structure and composition of hemp fibers, and their diverse applications.

You will come away from the courses equipped with the expertise needed to make informed decisions in the hemp industry, the ability to apply best practices in cannabinoid extraction and analysis, and an appreciation for the versatility of hemp along with its growing importance in various consumer and industrial markets.

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

Key Takeaways

- Align hemp plant varieties and the structural characteristics of hemp with market classes and products
- Examine common cannabis analysis tools and understand the cannabinoid extraction process
- Evaluate various methods of cannabinoid extraction to achieve specific outcomes
- Explore the elements of hemp seeds and fibers along with the processes involved in grain and fiber processing

What You'll Earn

- Hemp Processing Certificate from Cornell University's College of Agriculture and Life Sciences
- 40 Professional Development Hours (4 CEUs)

Who Should Enroll

- Hemp entrepreneurs and startups
- CBD product developers
- Growers and cultivation managers
- Technicians and researchers
- Educators and trainers
- Cannabis program coordinators
- Environmental scientists
- Green builders, architects, and sustainability practitioners
- Quality and compliance managers
- Agriculture and cannabis regulators

How to Enroll

For more information and to enroll, please visit Hemp Processing Certificate (https://ecornell.cornell.edu/certificates/food-and-plant-science/hemp-processing/).

Courses

Code	Title	Hours
eCornell CALS291	Hemp Markets and Products	0
eCornell CALS292	Hemp Cannabinoid Extraction and Post-Extraction Processing	0
eCornell CALS293	Cannabis Extraction Methods	0
eCornell CALS294	Processing Fiber and Grain for Hemp Product	0