

# HEMP CULTIVATION CERTIFICATE

## Program Description

As the U.S. hemp industry thrives across textiles, CBD products, health foods, and fuel, it's sparking a green revolution. The cultivation of hemp unlocks remarkable environmental and economic possibilities. Throughout these six comprehensive courses, you will explore the world of hemp plants and cultivation. First, you will develop a foundational scientific understanding of cannabis terminology, species, and cultivars. You will then explore various propagation methods and their specific purposes, allowing you to align these techniques with your growth, production, and agricultural goals.

You will also gain an understanding of the environmental factors impacting optimal growth for indoor hemp cultivation. You'll develop an understanding of the strategies utilized to garner successful outdoor cultivation of industrial and large-scale hemp plants. Throughout the program, you will discover how to combat threats from insect pests, weeds, and plant pathogens.

Lastly, you will determine the precise timing and methods for harvesting hemp crops, tailored to your agricultural objectives. This certificate program equips you with the essential knowledge and skills to thrive in today's dynamic cannabis industry. By the time you complete this program, you will have developed a deep understanding of hemp cultivation, placing you at the forefront of the burgeoning cannabis industry.

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

## Key Takeaways

- Develop a basic scientific understanding of cannabis plants, including terminology of species and cultivars
- Discover a variety of propagation methods and how to align these techniques with growth, production, and agricultural goals
- Explore how to grow hemp plants indoors and control indoor environmental factors
- Determine where and how to successfully grow industrial and large-scale hemp plants outside
- Master strategies and tactics for minimizing the threat of insect pests, weeds, and plant pathogens/diseases
- Understand when and how to harvest hemp crops for agricultural products

## What You'll Earn

- Hemp Cultivation Certificate from Cornell University's College of Agriculture and Life Sciences
- 60 Professional Development Hours (6 CEUs)

## Who Should Enroll

- Growers
- Horticulturists and agronomists
- Plant, seed, and greenhouse technicians
- Seed purveyors

- Plant breeders and breeding companies
- CBD product developers
- Agriculture regulators
- Entrepreneurs and business developers
- Supply chain managers
- IP lawyers
- Consultants

## Total Investment

- 3 months with 3-5 hours of study per week

## How To Enroll

For more information on how to enroll, please visit Hemp Cultivation (<https://ecornell.cornell.edu/certificates/food-and-plant-science/hemp-cultivation/>).

### Courses

Code	Title	Hours
eCornell CALS251	Hemp Biology	0
eCornell CALS252	Hemp Propagation	0
eCornell CALS253	Indoor Hemp Cultivation	0
eCornell CALS254	Outdoor Hemp Cultivation	0
eCornell CALS255	Managing Insects, Weeds, and Diseases	0
eCornell CALS256	Harvesting Hemp	0