



## **Cannabis Edibles and Processing Certificate (Online)**

### **Certificate Program Overview**

The Cannabis Edibles and Processing Certificate Program is designed to provide students with a comprehensive understanding of the skills and knowledge needed to succeed in a cannabis processing facility. The program is divided into four modules: Edibles Processing, Edibles Product Development, Cannabis Extraction Techniques and Methods, and Processing, Packaging, and Seed-to-Sale Software.

The Edibles Processing module covers the additional layer of quality assurance that comes with the introduction of food ingredients. Students will learn about food safety requirements for edible cannabis producers, including how to develop the PCP plan required by regulations, and how to implement a HACCP plan to ensure even more control over the safety of the final product.

In the Edibles Product Development module, students will explore the world of cannabis edibles product development, including the food science behind the product development process and the importance of business considerations when bringing a new product to market. They will learn about marketing strategies and product positioning, as well as the importance of branding and packaging in the cannabis industry.

The Cannabis Extraction Techniques and Methods module covers the science behind cannabis extraction and how it relates to the creation of cannabis edibles. Students will learn about the different extraction techniques used to extract cannabinoids and terpenes from the cannabis plant, including solvent-based extraction methods and non-solvent-based extraction methods. They will also examine the various factors that can influence the quality and potency of the extracted cannabis oil, such as temperature, pressure, and time. Students will learn how to control these factors to create high-quality cannabis oil that can be used in the creation of edibles.

Finally, in the Processing, Packaging, and Seed-to-Sale Software module, students will learn about the specific software used within cannabis production facilities. They will learn how to track the processing and packaging of cannabis products, labeling requirements, and receive hands-on experience utilizing seed-to-sale software for tracking and compliance in partnership with Ample Organics.

By the end of the program, students will have a deep understanding of the cannabis edibles product development process, including the legal, regulatory, and business aspects of bringing



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a product to market. They will have gained a deeper understanding of the process in producing high-quality cannabis oil, utilizing different extraction techniques, and controlling various factors that affect the quality and potency of the end product. Additionally, students will have learned about food safety requirements and quality management systems specific to edible cannabis producers, and the software used for tracking cannabis plants as they move throughout the facility.

### **Certificate Program Outline**

#### **Edibles Safety, PCP and HACCP**

- Introduction to Edibles Safety
- Prerequisite Programs
- HACCP Forms
- HACCP Plan Development, Implementation, and Maintenance
- HACCP Auditing
- Systematic Approach to HACCP
- Overview of SFCA & SFCR
- Preventative Control Plans
- Importing & Exporting

#### **Edibles Processing and Product Development**

- Introduction to Cannabis Edibles Regulations
- Edibles Product Development
- Edibles Packaging Development
- Shelf-Life Studies
- Stability Studies
- Case Study



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### **Cannabis Extraction Methods and Techniques**

- Introduction to Cannabis Extraction
- Extraction Types – Physical, Chemical and Solventless
- Chemistry Principles and Concepts for Cannabis Extraction
- CO2 Extraction
- Ethanol Extraction
- Physical Separation
- Upstream and Downstream Extraction Processes
- Types of Extraction Concentrate Products
- Types of Extraction Consistencies
- Post-Extraction Products
- SOP & Batch Production Record Writing
- Post-Extraction Formulation

### **Processing, Packaging and Seed-to-Sale Software**

- The Ample Organic Ecosystem
- Destruction
- Grow
- Productions & Work Orders
- Products
- Client Services
- Orders & Fulfillment
- Wholesale
- Setting Up for Production



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### **Who Should Attend**

This program is ideal for individuals who are interested in pursuing a career in the cannabis industry, particularly in the processing and production of cannabis edibles. It is also suitable for individuals who are currently working in the industry and looking to expand their knowledge and skills in cannabis edibles product development.

This program is designed for individuals who have a background in science, food technology, or a related field, and who are interested in applying their knowledge in the cannabis industry. It is also suitable for individuals who have experience in the food industry and are interested in transitioning to the cannabis industry.

Overall, this program is ideal for anyone who is interested in the science behind cannabis edibles product development, as well as the legal, regulatory, and business aspects of bringing a product to market. By the end of the program, students will be equipped with the specific skills and knowledge necessary to succeed in the cannabis industry, particularly in cannabis processing and production facilities.

Completing a Cannabis Cultivation Certificate program at AAPS opens a wide range of careers in the cannabis industry. Employers in every sector know that they can count on the experience and skills of AAPS graduates for positions including:

- Processing Technician
- Cannabis Edibles Product Developer
- Cannabis Extraction Technician
- Quality Assurance Technician
- Compliance Officer
- Research and Development Scientist
- Packaging and Labeling Specialist
- Seed-to-Sale Software Specialist
- Product Marketing Manager
- Business Development Manager
- Regulatory Affairs Specialist



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### **Program Details**

<b>Program Tuition Fees</b>	<b>Duration</b>	<b>Mode</b>
CAD \$2,500	5 Weeks	Online

### **Course Outline**

	<b>Course</b>	<b>Code</b>	<b>Hours</b>	<b>Cost</b>
1	Edibles Safety, PCP, and HACCP	CAN06	20	CAD \$1130
2	Edibles Processing and Product Development	CAN11	20	CAD \$750
3	Extraction Concepts and Methods	CAN12	40	CAD \$850
4	Processing, Packaging and Seed-to-Sale Software	CAN15	20	CAD \$595