

# CANNABIS SCIENCE AND OPERATIONS, CERTIFICATE

Thousands of jobs are being created as a result of the rising legalization of cannabis across the country. Legalized cannabis is expected to be an estimated \$150 billion industry by 2025 and will need educated employees to sustain the industry.

To produce quality employees to meet this demand, Saint Louis University offers an online certificate in cannabis science and operations. This certificate program addresses all aspects of the cannabis industry, including cultivating, growing and producing. You will learn about dispensing and the pharmacological properties of cannabis.

Graduates of this certificate program can pursue positions in sales and marketing, dispensary management, quality assurance and laboratory technology, among other areas.

## Careers

The list of possible jobs in the cannabis industry is quite extensive. With a certificate in cannabis science and operations, you will be prepared to pursue various in-demand positions in the following broad categories:

- Cultivation
- Laboratory technology
- Distribution logistics
- Dispensary management
- Regulatory compliance
- Sales and marketing
- Quality assurance
- Wellness specialist
- Edible development

## Admission Requirements

The School for Professional Studies welcomes adult learners whose educational journey has been interrupted by life's circumstances. This includes individuals with at least one of the following characteristics:

- Delayed enrollment in post-secondary education
- Attends part-time for at least part of the academic year
- Works full-time (35 hours or more/week) while enrolled
- Financial independence, has dependents other than a spouse, is a single parent, or has other demands that make traditional education less feasible

## Application Requirements

- **Work Experience:** At least three years or the equivalent. Work experience may include a full-time/part-time job, internship, volunteer work, or comparable experiences.
- **Education:** High school diploma or composite GED score of at least 2250.
- **Coaching session:** Successful completion of a meeting with an academic coach (this can be done virtually or on campus).
- **Grade Point Average:** Minimum transfer cumulative GPA of 2.5 (unless qualified for conditional admittance).

- **Transcript:** An official transcript from the most recent institution attended.

## Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:

- **Scholarships:** Scholarships are awarded based on academic achievement, service, leadership and financial need. The School for Professional Studies offers numerous scholarships and awards specially for new students.
- **Financial Aid:** Financial aid is provided in the form of grants and loans, some of which require repayment.

To determine eligibility for financial assistance, submit the Free Application for Federal Student Aid (FAFSA) early for maximum consideration. FAFSA is available online at <http://www.fafsa.ed.gov>.

For information on other scholarships and financial aid, visit the student financial services office online at <http://finaid.slu.edu>.

## Learning Outcomes

- Graduates will be able to apply knowledge of plant science, soil, nutrients and cultivation practices to the growing of cannabis.
- Graduates will be able to explain the engineering principles behind and processes employed in the manufacturing of cannabis products.
- Graduates will be able to explain the known pharmacological principles of cannabis.
- Graduates will be able to explain the roles, responsibilities and legal requirements used to operate and sustain a cannabis dispensary.
- Graduates will be able to describe how cannabis products impact society (history, community, economic and ethical).

## Requirements

Code	Title	Credits
CSO 1000	Cannabis Fundamentals: Growing, Manufacturing & Dispensing	3
CSO 1500	Cannabis Plant Science & Cultivation	3
CSO 1600	Cannabis Extraction & Product Production	3
CSO 1700	Cannabis Compliance & Dispensing	3
CSO 2000	Pharmacological Properties of Cannabis	3
CSO 2960	Cannabis Operations and Science Capstone	1
<b>Total Credits</b>		<b>16</b>

## Continuation Standards

Students must maintain a minimum 2.00 GPA.

## Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

Course	Title	Credits
<b>Year One</b>		
<b>Fall</b>		
<b>Fall 1</b>		
CSO 1000	Cannabis Fundamentals: Growing, Manufacturing & Dispensing	3
<b>Fall 2</b>		
CSO 1500	Cannabis Plant Science & Cultivation	3
<b>Credits</b>		<b>6</b>
<b>Spring</b>		
<b>Spring 1</b>		
CSO 1600	Cannabis Extraction & Product Production	3
<b>Spring 2</b>		
CSO 1700	Cannabis Compliance & Dispensing	3
<b>Credits</b>		<b>6</b>
<b>Summer</b>		
CSO 2000	Pharmacological Properties of Cannabis	3
CSO 2960	Cannabis Operations and Science Capstone	1
<b>Credits</b>		<b>4</b>
<b>Total Credits</b>		<b>16</b>

## Contact Us

Apply for Admission (<https://www.slu.edu/online/becoming-a-student/apply.php>)

For additional admission questions, please call 314-526-2825 or email [sps@slu.edu](mailto:sps@slu.edu).