

# CANNABIS SCIENCE AND OPERATIONS, CERTIFICATE

Saint Louis University offers a cannabis science and operations certificate online to help produce quality employees to meet the demand of this booming new industry.

Thousands of jobs are being created as a result of the rising legalization of cannabis across the country. The global legal marijuana market size is expected to reach \$102.2 billion by 2030. This SLU 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.

As part of the Saint Louis University School for Professional Studies, this program offers enterprising adults like you a flexible option to meet your personal and career goals. With multiple start dates available, you can begin working toward your certificate at any time. All courses are offered in eight-week terms through SLU Online, making advanced education more accessible for working professionals.

## Faculty

As a student in the School for Professional Studies at Saint Louis University, you'll learn from exceptional faculty who are leading experts in their fields. They bring real-world knowledge to the classroom and are dedicated to your professional success. Learn more about the SPS faculty (<https://www.slu.edu/professional-studies/contact-us/faculty/>).

## 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

## Tuition

Tuition	Cost Per Credit
Cannabis Science & Operations	\$410

Additional charges may apply. Other resources are listed below:

Net Price Calculator (<https://www.slu.edu/financial-aid/tuition-and-costs/calculator.php>)

Information on Tuition and Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition/>)

Miscellaneous Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/fees/>)

Information on Summer Tuition (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition-summer/>)

## 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 (<https://www.slu.edu/professional-studies/becoming-a-student/tuition-scholarships-aid/>) and awards specifically 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 <https://studentaid.gov/h/apply-for-aid/fafsa> (<https://studentaid.gov/h/apply-for-aid/fafsa/>).

For information on other scholarships and financial aid, visit the student financial services office online at Office of Student Financial Services (<https://www.slu.edu/financial-aid/>).

## Learning Outcomes

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

## Requirements

### Admission Requirements

- Completed application
- High school diploma or composite GED score of at least 2250
- Minimum transfer cumulative GPA of 2.5 (unless qualified for conditional admittance)
- Official transcript from the most recent institution attended

Upon admission, a new student must successfully complete a virtual meeting with their academic coach to be enrolled in first-term coursework.

The School for Professional Studies welcomes adult learners seeking an undergraduate education after life circumstances have interrupted their educational journeys. Adult life circumstances, for the purposes of admission, would include 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
- Is financially independent
- Has dependents other than a spouse
- Is a single parent
- Has other demands that make traditional education less feasible

## Program 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 2010	Cannabis Law & Entrepreneurship	3
<b>Total Credits</b>		<b>18</b>

## 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 2000	Pharmacological Properties of Cannabis	3
<b>Credits</b>		<b>6</b>
<b>Summer</b>		
CSO 1700	Cannabis Compliance & Dispensing	3
CSO 2010	Cannabis Law & Entrepreneurship	3
<b>Credits</b>		<b>6</b>
<b>Total Credits</b>		<b>18</b>