CANNABIS SCIENCE AND OPERATIONS (CSO)

CSO 1000 - Cannabis Fundamentals: Growing, Manufacturing & Dispensing
Credit(s): 3 Credits
Cannabis Fundamentals provides students with an overview of the science of growing the cannabis plant, the manufacturing and processing of products from cannabis, and the dispensing of cannabis for medical and therapeutic use. The topics covered in this course include cannabis terminology, a review of the history of the industry, cultural norms, common interactions within the human body. Additionally, students learn about the horticultural principles of growing and harvesting cannabis, equipment, oil extraction techniques, modes of dispensing cannabis, and regulations.
Restrictions:
Enrollment limited to students in the Schl for Professional Studies college.

CSO 1500 - Cannabis Plant Science & Cultivation
Credit(s): 3 Credits
Cannabis Plant Science and Cultivation introduces student to growing and developing the cannabis plant for use in the pharmaceutical, construction, and agricultural sectors. This course includes plant botany (physiology, structure, genetics, ecology), seed procurement and storage, seed germination, cutting propagation, soil science, water management, plant anatomy identification, growing and flowering stages, and harvesting techniques.
Prerequisite(s): CSO 1000
Restrictions:
Enrollment limited to students in the Schl for Professional Studies college.

CSO 1600 - Cannabis Extraction & Product Production
Credit(s): 3 Credits
Cannabis Extraction & Product Production provides students with information relevant to the extraction and manufacturing of cannabis. Course topics include laboratory safety, basic chemistry concepts, solvent-less extraction, solvent based extraction, cleaning up extractions, final product forms, packaging, testing, equipment sanitation, Missouri food code, good manufacturing practices, inventory management, order processing and security.
Prerequisite(s): CSO 1000
Restrictions:
Enrollment limited to students in the Schl for Professional Studies college.

CSO 1700 - Cannabis Compliance & Dispensing
Credit(s): 3 Credits
Cannabis Compliance & Dispensing will focus on the roles, responsibilities and legal requirements of a dispensary in the distribution of information and products to the consumer. Topics covered include statutory provisions and regulations, types of dispensing operations, personnel, employee training requirements, physical facilities, zoning, security, inventory control, recordkeeping, cleaning and sanitation, consumer rights and responsibilities, efficacy and patient care issues.
Prerequisite(s): CSO 1000
Restrictions:
Enrollment limited to students in the Schl for Professional Studies college.

CSO 2000 - Pharmacological Properties of Cannabis
Credit(s): 3 Credits
Pharmacological Properties of Cannabis introduces students to the chemical characteristics of the cannabis components and the factors that influence drug interaction within the body. Topics covered include receptor theory, chemical absorption, distribution, metabolism, excretion, and dose-response relationships. This course also examines the symptoms treated by cannabis and evidence of the effectiveness of cannabis in treating patients.
Prerequisite(s): CSO 1000
Restrictions:
Enrollment limited to students in the Schl for Professional Studies college.

CSO 2910 - Cannabis Operations Internship
Credit(s): 3 Credits
Cannabis Operations Internship I allows students to gain hands-on experience in cannabis growing, manufacturing and/or distribution operations under the direction of industry professionals. This experience may be full time or part-time as required by the industry sponsor.
Prerequisite(s): CSO 1000
Restrictions:
Enrollment limited to students in the Schl for Professional Studies college.