



“The M.S. MCT program at LECOM has allowed me a space to connect and engage with like-minded individuals who see a future in cannabis medicine. I look forward to using what I’ve learned to propel and lead the medical cannabis industry to future success.”

Saige Petzen  
LECOM M.S. MCT Class of 2024

“The LECOM M.S. MCT program is for those looking to excel in the knowledge of medical cannabis and its therapeutic effects. The world is moving towards utilizing new forms of healing. As a pharmacist, it was important to me to be fully informed and better understand this emerging industry in order to provide the care my patients deserve.”

Sabrina Alahmad  
LECOM Pharm.D. Class of 2023  
LECOM M.S. MCT Class of 2024



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The Lake Erie College of Osteopathic Medicine teaches the business of healthcare, preparing the next generation of healthcare industry leaders.

LECOM offers fully licensed and accredited graduate degree programs.

Masters of Science in Medical Cannabinoid Therapeutics (M.S. MCT)

Masters in Health Services Administration (M.H.S.A.)

Master of Science in Biomedical Ethics (M.S.B.E.)

Masters in Public Health (M.P.H.)

Doctor of Healthcare Administration (D.H.A.)

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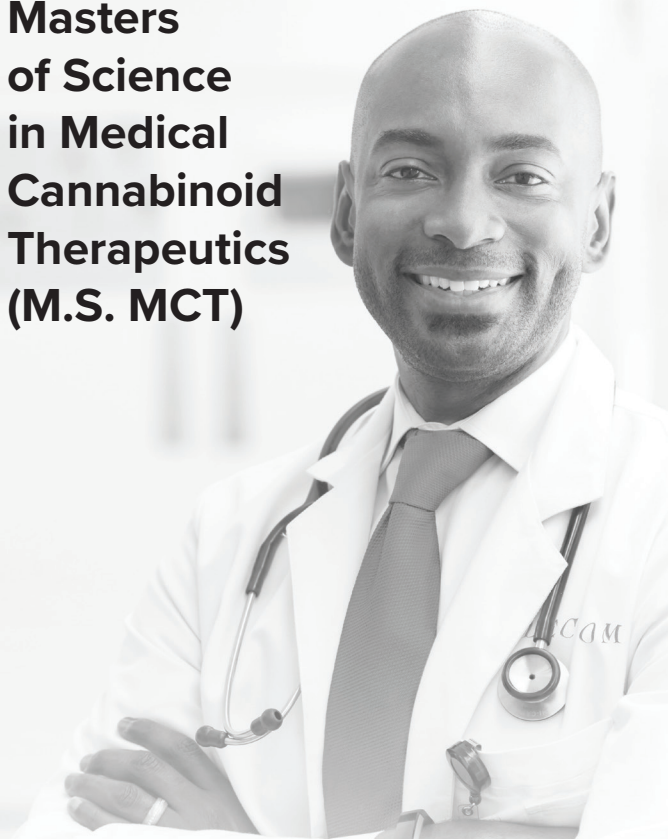
**LECOM**  
LAKE ERIE COLLEGE OF OSTEOPATHIC MEDICINE

**LECOM**  
SCHOOL OF HEALTH SERVICES ADMINISTRATION



**Master of Science in  
Medical Cannabinoid  
Therapeutics  
(M.S. MCT)**

# Masters of Science in Medical Cannabinoid Therapeutics (M.S. MCT)



The LECOM M.S. MCT curriculum centers around the evolving medical cannabis policies, organizational management, environmental and occupational health, social and behavioral implications, pharmacokinetics, vertically integrated business systems, macro-economic, governing laws and regulations, and ethical impacts.

Students will gain an understanding of the basic chemistry and efficacy of the current medical cannabinoid pharmacological industry. Special focus on production, packaging, and dispensary delivery systems business structures of the Medical Cannabinoid industry within the United States and the world.

## Curriculum

The M.S. MCT curriculum consists of 45 credits. There are 11 core courses, 16-week experiential discovery course completed through executive interviews and analysis (6 credits) and a 16-week Master's Thesis or Capstone Project course (6 credits). All students must also pass a final comprehensive exam.

The program is designed to be completed in 24 months with new cohorts beginning each June. It is taught over 4 semesters with classes of 8-16 weeks in duration.

- Introduction to History of Cannabis
- Cannabinoid Pharmacology and Classification
- Cannabinoid Economics and Vertical Integration
- Therapeutic Effects and Dispensary Patient Education
- Cannabinoid Dosing Strategies
- Evidence Based Therapeutics
- Cannabinoid Public Health Transparency and Safety
- Cannabinoid Biosynthetic Pathways
- Cannabinoid Therapeutic Design and Efficiency
- Cannabinoid Government Regulations and Policies
- Research Design & Methods
  - Thesis and Capstone Project
  - Executive Interviews

## Why Choose LECOM?

LECOM Master's programs create exceptionally prepared professionals ready to solve the most complex industry challenges. Our program and comprehensive curriculum:

- Offer flexible 24 month Master's degrees for busy professionals.
- Use a dynamic, web-based distance education platform with 24/7 access to all materials.
- Cover critical business functions essential to fiscal success, effective operations, quality assurance and compliance.
- Are taught by an expert team of faculty who are pioneers in the medical cannabis industry.
- GMAT not required.

For more information and to apply, visit [LECOM.edu/shsa](http://LECOM.edu/shsa)

Please note: This program is a theory-based medical cannabinoid therapeutics industry course of study. Students and faculty have no contact with or access to cannabis or any cannabinoid derivatives.