



LECOM
LAKE ERIE COLLEGE OF OSTEOPATHIC MEDICINE
Bradenton Campus



Medical Science Academy 2025

“A Medical School Primer for High School Students”

June 9 – June 20, 2025

We are pleased to announce LECOM Bradenton's 2025 Medical Science Academy (MSA). This two-week summer experience will provide an opportunity for high school students to interact closely with faculty and medical students from the College of Medicine. In the first week, students will attend classes in large and small groups as well as participate in hands-on laboratory activities and an interactive suture skills session with volunteers from the US Army. Anatomy lab includes cat dissection. Demonstrations will be given by Manatee County Utilities as well as Manatee County Search and Rescue. Additionally, in the second week, students will receive Basic First Aid training, CPR training, Stop the Bleed training, tour Blake Hospital's trauma bays, operating rooms, step down units, emergency medical helicopter, and interact with the medical flight crew. The second week will also include LECOM Dental Day in which the students learn from LECOM faculty and participate in simulation lab as well as LECOM Pharmacy Day where students learn from LECOM faculty and participate in a compounding activity.

MSA Family Night Tuesday, May 6, 2025, 5:30 p.m.

MSA students and their parents will gather in **Lecture Hall 211 in LECOM's College of Medicine (COM) Building** which is located at **5000 Lakewood Ranch Blvd.** The following activities will take place during this meeting:

- Welcome & Introduction of MSA Staff
- MSA Program Description
- Distribution of Anatomy & Physiology Textbooks (to be returned to LECOM on Friday, June 13th)
- Parental Signature on required documents for participation in MSA.
- Tour of LECOM's College of Osteopathic Medicine facility

Description of Activities

WEEK ONE: LECOM College of Osteopathic Medicine, 5000 Lakewood Ranch Blvd, Bradenton, FL 34211

- Formal lecture-based presentations provided by the College of Medicine faculty based on the central theme of Gastroenterology. The students will take a short quiz on what they learned.
- Problem-Based Learning (PBL) Cases on topics related to the Gastroenterology lecture theme.
 - This small group setting is the same way our LECOM medical and dental students learn their material. MSA students will be divided into PBL groups consisting of approximately 8 students with second year Osteopathic Medical School students (OMSII) as instructors. Students will discuss and learn about patient cases from a primary care perspective simulating real life patient and clinical scenarios. The PBL groups will have four days to understand the patient's condition and develop a diagnosis exploring the basic medical sciences (Anatomy, Physiology, Biochemistry, etc.) associated with the case. They will have two hours on the last day of week one to prepare a grand rounds type presentation of the case, which will be delivered during the graduation program Friday, June 20th.
- The LECOM College of Osteopathic Medicine campus cafeteria will provide the students with a box lunch and snacks for week one. Students may bring their own lunch and snacks which are to be stored in a

designated MSA section in the cafeteria. According to LECOM policy, no food or drink is allowed in rooms outside of the cafeteria.

WEEK TWO:

- During the second week of the program, MSA students will be divided into 2 groups. Groups will be assigned a morning session or afternoon session during which time they will participate in a variety of health-related activities including Dental Day, Pharmacy Day, and Trauma Day at Blake Hospital. Students will also spend a FULL DAY participating in L.E.T.S. Safety Day where they will undergo Basic First Aid certification and CPR certification as well as hear from Manatee County Search and Rescue. LUNCH WILL BE ON YOUR OWN FOR WEEK TWO.
 - **LECOM College of Osteopathic Medicine** (Week One, Pharmacy Day, Safety Day, and Graduation)
5000 Lakewood Ranch Blvd.
Bradenton, FL 34211
 - **Blake Hospital**
2020 59th Street West
Bradenton, FL 34209
 - **LECOM School of Dental Medicine (Dental Day)**
4800 Lakewood Ranch Blvd.
Bradenton, FL 34211

MSA 2025 SCHEDULE OF ACTIVITIES

Week One - June 9th - 13th	
8:00am-4:30pm	LECOM College of Medicine Campus – 5000 Lakewood Ranch Blvd, Bradenton, FL 34211 <ul style="list-style-type: none"> • Formal lectures • PBL Cases • Labs - including Anatomy Lab cat dissection
Week Two – June 16th – 20th	
Times will vary	Students will be working at various sites this week. *Please indicate on the Online Registration Form linked below if you prefer an AM or PM timeslot. A finalized schedule of the week will be handed out at Family Night on May 6 th at 5:30pm. Please refer to the addresses listed above under Week Two.

MSA Graduation Program

The PBL teams will present the finding of their PBL case to the whole MSA class and families. Each individual PBL team member will have a part in the presentation. Certificates of participation in the MSA program will be awarded and prizes will be distributed for top quiz and PBL performers.

On Campus Policy

Lake Erie College of Osteopathic Medicine prides itself in providing a safe educational environment for future medical professionals. Our Summer Medical Science Academy follows this same high standard.

Students are not allowed to leave campus during lunch time or any other time the program is being conducted, including week 2. The cost of lunch for week one is covered in the initial registration fees. There are vending machines located on campus if a student would like to purchase additional food or beverages. If a student needs to go to their car to retrieve an item, they are to be escorted by Medical Student Volunteers as well as sign in and out of the building.

If this policy is not adhered to, the student will be dismissed from the program, without a refund.

Lake Erie College of Osteopathic Medicine is committed to providing a high-quality educational program in a safe environment.

Registration Fee & General Expenses - Registration will be confirmed upon receipt of payment.

Registration fee is \$400 for the following items:

- \$125 Instructor fees
- \$35 LECOM Medical Science Academy Scrub Shirt
 - \$25 Instructional Aides
- \$100 Laboratory and Physical Examination materials
 - \$75 Lunches & Snacks
 - \$40 Miscellaneous program supplies

Make Check payable to: Lake Erie College of Osteopathic Medicine (LECOM)

Either hand-deliver or mail check to:

*LECOM Bradenton
Attention: Mariela Solis
5000 Lakewood Ranch Blvd.
Bradenton, FL 34211
phone: 941-782-5758
e-mail: msolis@lecom.edu*

CLICK BELOW TO REGISTER FOR MSA June 2025

Registration will be confirmed upon receipt of payment.

LECOM Medical Science Academy Registration Google Form
(<https://forms.gle/tERpHszTgPFUNcfm9>)