



University of Iowa



Junior Mini Medical School Programs

Health Care Group Tours

Preparing health care professionals for Iowa and the nation, University of Iowa Health Care provides an advanced and comprehensive alliance of academic programs, clinical and research activities, and service agencies for students, faculty and practitioners associated with the UI colleges of dentistry, medicine, nursing, pharmacy and public health.

Group tours of the UI Health care allow visitors to experience hands-on interactions, discuss scientific advances and challenges with UI faculty and staff, and see demonstrations of cutting-edge medical technology. Groups may also tour various areas or departments within the UI Carver College of Medicine and/or University of Iowa Hospitals and Clinics, one of the nation's largest university-owned teaching hospitals.

Scheduling a Tour and Guidelines

External Relations can design a tour to meet your group's needs and interests. When planning a tour, please keep these guidelines in mind:

- Groups are limited to no more than **20** people; groups of **10** or more people must have at least two adult chaperones. **UI tour guides are not chaperones.**
- Students must be in at least 6th grade to participate.
- Tours will be scheduled for no more than 4 hours, including lunch.
- Tours lasting three hours or more will be required to eat lunch if on campus over noon hour
- Tours will be scheduled Monday through Thursday. No tours will be scheduled on Fridays.
- Visitors' participation and interest with questions is expected at the sites.
- Visitors should wear proper attire, including comfortable walking shoes, coats and umbrellas.

To schedule a tour, complete the Tour Request Form and submit it online or send via email to: mini-med@uiowa.edu. We will work with your group to create a tour schedule.

If the group stays through the lunch hour, visitors will eat at a boxed lunch or at UI Hospitals and Clinics cafeteria. ***The university does not pay for any lunches.***

Individuals with disabilities are encouraged to participate in all UI-sponsored events. If a person with a disability requires accommodations in order to participate in this program, please notify External Relations when scheduling a tour.



Tour Site Information

1. **Admissions** — A representative from the undergraduate admissions office at the University of Iowa will discuss applying to college and the criteria for being accepted to the UI. They will answer any questions students have about the application process.
2. **AirCare and Medical Transport** –The group learns about various careers involved in air medical transport while seeing the helicopter and different equipment used in the helicopter.
3. **Anatomy Overview** — Students will be invited to handle human organs which could include brains, hearts, lungs, spinal cords, kidneys, livers and stomachs. Current UI medical students talk with the group about medical school and what things are important to focus on if a person is interested in becoming a physician. (These tours are always done from 12:30 – 1:20 p.m. because of medical student schedules)
4. **Autopsy/Forensic Pathology** - Students will learn about autopsy pathology, the value of postmortem examinations, and see a few normal and diseased organs. Students will not see bodies or an autopsy. (Age limit: High School Juniors and Seniors only)
5. **Biosciences** – Students are able to speak with current graduate biosciences students about careers in the science and research field.
6. **Burn Treatment Center** – Students will observe one of the nation's leading burn care units, discuss burn prevention and first aid for burn care.
7. **Carver College of Medicine Tour** - See where our medical students study, relax and learn by touring the learning communities and clinical suites in the Medical Education and Research Facility. Find answers to your questions plus some facts about this UI College.
8. **Case Based Learning** – Experience life as a medical student as you learn how to take a history, diagnose and treat a patient in this small group learning environment. (Maximum of 10 students allowed.)
9. **Center for Excellence in Image-guided Radiation Therapy** - Students learn about the treatment of cancer with the use of radiation therapy.
10. **DeGowin Blood Bank** – Students are instructed about the steps in blood donation and given a tour through the collection area for whole blood and automated donors. They may observe whole blood and automated donations as available and are given a brief overview of patient procedures performed by the DeGowin Blood Center. In addition they will be given a tour through the blood bank and will see where the collected blood is processed, tested for compatibility, and dispensed to patients.
11. **Emergency Medicine Simulation Center** – The simulator is an adult size mannequin controlled by a computer system and is programmed to react to drugs and procedures as a real person would including breathing, heartbeat, blinking, arm and hand movement, and other physiologic responses. Students see how it works and how it is used as a teaching tool. (Maximum of 10 students allowed.)
12. **Hardin Simulation Center**- Students rotate through up to three stations, cardiovascular exams, 3-D anatomy, physical exams and other interactive activities - where they may listen to heart sounds from Harvey, a mannequin with a simulated cardiovascular system, and feel various pulses.
13. **Hyperbaric Chamber** - Students are told about the hyperbaric chamber while seeing a treatment in action or a simulation example. Health problems that may lead to hyperbaric treatments are also discussed. Respiratory therapists who talk with the students also share educational information.
14. **Iowa Lions Eye Bank** – Part of the Cornea Service, Department of Ophthalmology and Visual Sciences, students will learn how this department will help restore sight to people who are going blind or who are already blind. Students learn about the donation process, see what a cornea looks like and will see a video of a corneal surgery.

15. **Research Lab** – Students will learn about various research taking place at the University of Iowa with a variety of hands-on, interactive experiences.
16. **Medical Museum** — Groups are on their own at this location because it is a self-paced site. The exhibits change frequently. Guided tours may be available during morning hours (9:30 – 11:00 a.m. Monday-Friday.)
17. **MRI Research Facility** – Students see the facility's image processing lab, the equipment room which houses the "brains" of our scanner, the Siemens 3T TIM Trio MRI scanner. If there isn't a study occurring, tour groups are permitted within the room and a group member can volunteer to get scanned.
18. **National Center for Biotechnology Information Database** – Come and explore the enormous wealth of data on biodiversity; let us show how you can navigate a sea of human knowledge on genes, genomes, proteins, and other molecules and how they function in live organisms. Interesting for lay people as well as for serious bioscience researchers, the NCBI databases enable us to hunt for treasures of bio-complexity. (High School students only.)
19. **Nursing Clinical Education Center** — Learn about the college and nursing education. Perform hands-on experiences and explore what nursing students learn in this simulated experience.
20. **Online Health Resources** – Have you ever left the doctor's office with questions about a condition or medication? Have you wanted to research your questions online, but wondered which websites were the most dependable and accurate? This session will allow you to navigate the reliable web sites and learn from health science librarians how best to evaluate online medical information for quality and reliability.
21. **Ophthalmology Eye Clinic Tour**– Visitors have an opportunity to tour the Eye Institute that records nearly 60,000 patient visits per year. See where physicians, researchers, and staff are working together to diagnose, treat and prevent blinding eye diseases and a host of other degenerative and disabling conditions of the eye.
22. **Orthopaedics** – Students will tour the nationally ranked department of Orthopaedics and Rehabilitation clinic and learn about how to cast.
23. **Pathology Learning Center** — Students will participate in a mock lab with a case study and 2 or 3 hands-on stations. They will then have a brief tour of the core chemistry/hematology labs at University of Iowa Hospitals and Clinics
24. **Patient Simulator – Anesthesia** — The simulator is an adult size mannequin controlled by a computer system and is programmed to react to drugs and procedures as a real person would including breathing, heartbeat, blinking, arm and hand movement, and other physiologic responses. Students see how it works and how it is used as a teaching tool. (Maximum of 10 students allowed.)
25. **Performance Based Assessment (Patient Actors)** - Students interact with Standardized Patients (SPs) in 10-minute encounters. Our SPs are not true patients, but rather, they simulate a patient case that may have been seen in the clinics or on the wards in the hospital. Student will interact with Standardized Patients "in character" and have a chance to talk to them "out of character" to find out what it's like to be involved in this program.
26. **Radiologic Technology** – Students will see a PowerPoint presentation showing various x-rays and tools that radiologic technologists used in their day-to-day work.
27. **Revealing an Iowa Gem: The John Martin Rare Book Room**
The John Martin Rare Book Room at the University of Iowa's Hardin Library for the Health Sciences constitutes one of the finest assemblages of rare medical books in the country. The works date from the 15th through 20th Centuries and include some of the earliest and most important books in the health sciences. Visitors are encouraged to learn more about the history of medicine by viewing and handling these books first-hand and up close.
28. **UI Gross Anatomy** - An interactive program featuring a video showcasing four medical surgeries and procedures done at the University of Iowa and students touch and hold real human organs that have gone through the plastination process. Students watch a cataract surgery, cochlear implant surgery, robotic heart surgery and learn about the Ponseti Method for treating Clubfoot. This is a great career exploration session.