

A young boy with curly hair is looking at a horse. A woman in a red jacket is in the background.

NC STATE

College of Veterinary Medicine

OPEN HOUSE

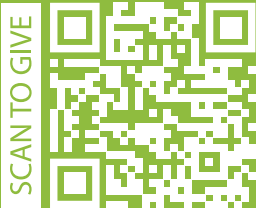
MARCH 23, 2024



SUPPORT COMPASSIONATE CARE

Each year, the dedicated caregivers at the College of Veterinary Medicine touch the lives of thousands who face medical emergencies or diseases or seek to improve their companion animals' quality of life. The success of our work largely depends on the gifts and donations from people like you — alumni, friends, partners and animal lovers whose generosity enables many of our efforts.

For donors passionate about a specific area of veterinary medicine, our foundation offers several opportunities to direct gifts to those areas.



NC STATE VETERINARY MEDICINE

ABOUT US

Ranked among the best in the nation, the NC State College of Veterinary Medicine is a driving force in veterinary research, training and medical care.

Our students, faculty and clinicians collaborate in a unique research environment that includes a state-of-the-art teaching hospital, an 80-acre working farm and a 250-acre Centennial Biomedical Campus. Whether we're furthering knowledge of how animal and human cells work, learning how to regenerate heart tissue, pioneering new ways to screen for cancer or developing algorithms to predict and prepare for disease outbreaks, our researchers are taking bold steps to advance veterinary and human medicine to create a healthier future.

That innovative research translates directly to our teaching hospital, where we provide extraordinary medical care for small animals, exotics, horses and farm animals. Our veterinarians treat more than 30,000 patients annually, and with more than 30 areas of specialization, we have the expertise, technology and cutting-edge facilities to diagnose and treat our patients' specific needs. From hemodialysis and hemoperfusion to neurology and behavioral medicine, our American Animal Hospital Association-accredited hospital offers all-inclusive care for a wide range of diseases.

As we work toward creating a healthier world for humans and animals, we also are leading the way in educational excellence, training the next generation of healers and researchers. With multiple degree programs, including Doctor of Veterinary Medicine, our students receive an unparalleled education from world-class faculty who prepare them to practice veterinary medicine at the top of the field.

Get Insider Access with VETS DEN

Learn more about the NC State College of Veterinary Medicine and the potential path to becoming a veterinarian by joining our VETS DEN Club.

Conducted over Zoom, VETS DEN is designed to give North Carolina residents unprecedented access to information about admissions and pathways in veterinary medicine. The program connects aspiring veterinary students, academic advisers and others with an interest in veterinary medicine across North Carolina with mentors in the field and admissions staff at the CVM.

Learn more at cvm.ncsu.edu/vetsden

WELCOME

We are excited to have you with us today to explore how our college and veterinary hospital are advancing animal and human health. At the NC State College of Veterinary Medicine's annual Open House, you're never far from something you'll never forget.



ANIMAL GROUPS HERE TODAY

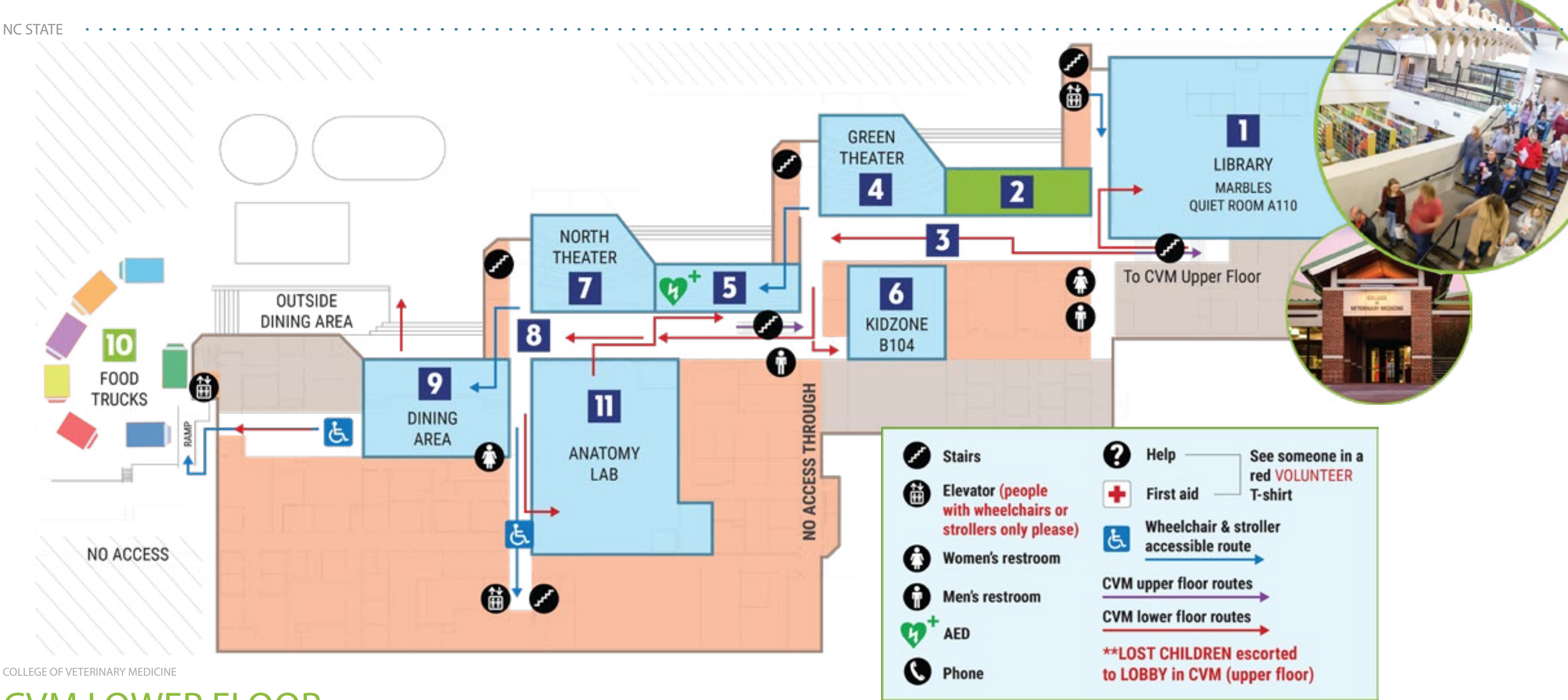
- 2 Paws Up
- Alley Cats and Angels
- American Kennel Club (AKC)/Raleigh Kennel Club
- BeWild, Inc.
- Blockade Runners
- Blue Ridge Bernese Mountain Dog Club
- Boston Terrier Rescue of North Carolina
- Eyes Ears Nose and Paws
- Greyhound Friends of NC
- NC SBI
- Neuse River Golden Retriever Rescue
- Operation Catnip
- Paws 4ever
- Paws for Life NC
- Raleigh Aquarium Society
- Saving Grace
- Second Chance
- The North Carolina Triangle Beagle Rescue
- Vets to Vets
- Wake County Animal Shelter



EXPLORE OUR RESEARCH

Meet world-renowned scientists, learn about the many exciting discoveries being made by our researchers and explore career opportunities through interactive displays in the Research Building, which is located across the street from the main building.

- **"Heart in a Dish"** - Stop by to look at cardiac stem cells
- **"Green Eggs and Green Ham"** - Learn about stem cells and cloning
- **"Gels for Cells"** - Learn how to use biomaterial mechanical properties to grow cells
- **"3D Printing You 2.0"** - Have you ever seen a 3D bioprinter in action?
- **"Drugs for Bugs"** - Discover how we go from natural products to drugs
- **"No Guts, No Glory"** - Check out intestinal stem cells
- **"The Invisible Army"** - See how the immune system protects us
- **"Itch and Ouch"** - Learn about communication between our body and brain
- **"Chewing the Cud: Why do Cattle Burp Lots of Methane?"** - Learn about why cattle burp, smell stinky fatty acids and look at microscopic chytrid fungi
- **"Genes, Genomes and Everything in Between"** - Check out the research being done by the Genetics and Genomics Academy
- **"Crime Busters!"** - Learn how to apply forensics to veterinary and wildlife crime



COLLEGE OF VETERINARY MEDICINE

CVM LOWER FLOOR

1. Library: Come draw your favorite animal, relax and enjoy animal books or videos on care and training, observe a 3D printer in action, or explore virtual horse or dog anatomy. Visit our friends from Marbles Kids Museum at their Ready, Set, Vet booth! Learn about diversity and inclusion at NC State by talking to our Black and Asian veterinary medical professional clubs.

2. Green Commons: Learn about the DVM admission process and the importance of diversity and inclusion at NC State and in the veterinary field. Talk to members of the College of Agriculture and Life Sciences (CALS) about undergraduate opportunities that prepare students for vet school and Veterinary Professions Advising Center (VetPAC) representatives about how to be a unique and competitive applicant. Learn about the NC Association of Veterinary Technicians.

3. Main Hallway: Visit with members of student organizations from our Latinx veterinary medical professionals and our holistic club.

4. Green Theater:

10 a.m.: Admissions - Student Services

11:15 a.m.: A Day in the Life of a Vet Student

11:45 a.m.: VBMA presentation

Noon: Admissions - Student Services

1:15 p.m.: A Day in the Life of a Vet Student

5. Blue Commons: Let the Pathology Club teach you about the damage that can be caused by heartworms and common toxic agents. Learn how human and veterinary medicine complement each other by visiting our Laboratory Animal Club booth.

6. Kidzone (B104): The Surgery Club hosts the Teddy Bear Clinic where a future veterinarian will stitch up your teddy bear's wounds. Enjoy dressing up as a veterinarian and taking pictures in our V.E.T.S photo booth! Step into our microscope lab to try your hand at recognizing and diagnosing common parasites.

7. North Theater:

10 a.m. & noon: Admissions (streamed from Green Theater)

8. Outside North Theater: Come talk to our friends of the Pride Student VMC club and celebrate the LGBTQIA+ community in veterinary medicine.

9. Dining Area: Indoor seating and tables where you can take a break or sit down to eat your food truck goodies. Purchase some Howling Cow Ice Cream for dessert! Water will also be available at our concessions stand (\$).

10. Outside the dining area: Food trucks and hand-washing stations

- **The Naked Empanada**
- **Cousin's Maine Lobster**
- **Oak City Fish and Chips**
- **Mr. A's Beignets**
- **Bulkogi BBQ**
- **Coastal Concession**
- **Chick-N-Que**

11. Anatomy Lab: Meet first-year students (Class of 2027) and check out awesome animal skeletons and models.



COLLEGE OF VETERINARY MEDICINE

CVM UPPER FLOOR

CVM Main Entrance: Buy a CVM T-shirt and other merchandise from SAVMA. Proceeds go to student organizations. Want to transform into an animal for the day? Step right up to get your face painted by a talented DVM student (\$). See Page 4 for more animal groups and demonstrations.

12. Top of Stairs: Pick up some brochures from our Clinical Studies Core.

13. Alumni Photos: Take a walk through NC State's past to see all of our graduates from the inaugural class and onward.

14. End of Alumni Hallway: Come see how the Christian Veterinary Fellowship combines faith and veterinary medicine.

15. Upper Walkway: Learn how to decipher a pet food label with the nutrition representatives from Purina and Nutramax. Take a peek into our surgical suite to see how we set up for a sterile surgery.

16. Room D239: Meet the Wildlife, Avian, Aquatic and Zoological Medicine Club (WAAZM), and get up close to native wildlife, such as turtles, snakes and lizards. You can also learn about our real-life wolfpack! Talk to our friends from the NC Museum of Natural Sciences and learn about the "Natural History Mystery!" Meet our Turtle Rescue Team, which rescues and rehabilitates over 300 turtles a year! Learn about our Exotic Animal Service, which specializes in invertebrates, fishes, amphibians and reptiles.

17. Gait Analysis Lab: Learn how researchers evaluate movement in animals and explore conditions like arthritis and pain response. Walk across a pressure mat and see your steps in action! Talk with experts in the field of animal movement and more! Learn about the Neuro-Aging Project and see how long your attention span is.

18. Sports Medicine Department: Our athletes need care, too! Stop by our rehab wing and learn about sports medicine in dogs. You can even see an underwater treadmill in action at 10:30 a.m. and 1:30 p.m.

19. GP Hallways: Show off how you brush your pet's teeth at the Veterinary Dentistry Booth! Don't know how? Learn on our interactive models.

20. Health Center Hallway: Learn about ways to enrich your pet's environment with the Behavioral Service and Behavior Club students. Learn about feline medicine from the Feline Club and the Feline Health Center. Learn about our blood bank and our life-saving animal heroes!

21. Small Animal Primary Care: Learn about our General Practice Service and talk about wellness and preventative care.

22. Simulation Lab (SimLab): See how vet students learn hands-on skills. They practice clinical procedures and surgery, such as blood draws, suturing and catheter placement, using a large variety of models.

23. Breezeway: Learn how the CVM veterinarians care for North Carolina's poultry, swine, cattle, sheep and goats and get up close with our own farm animals. Speak with our therio club about all things repro! Watch a mock equine CT scan at noon.

CROSS STREET TO RESEARCH BLDG.

24. Large Animal Pharmacy: Stop by the Large Animal Pharmacy table to see how to give medications to a horse, discover unique devices to help horses breathe better and learn all about what an equine pharmacist can do!

25. Outside Back of Breezeway: 9:30 a.m., 11 a.m., 1 p.m. - Fistulated steer demonstrations

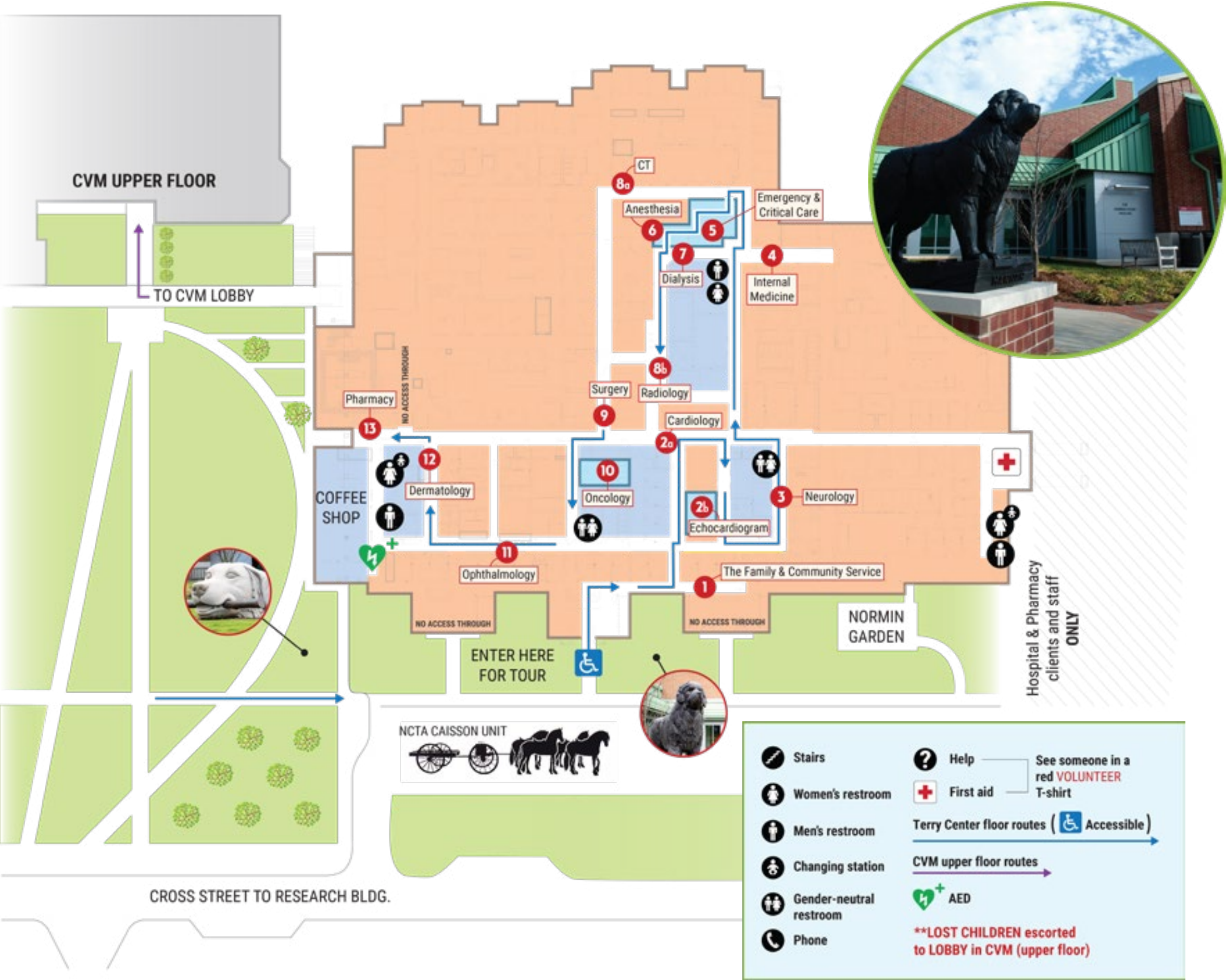
26. Milk a Cow with the Bovine Club.

27. Mobile Hospital and the Companion Animal Shelter Trailer: Visit the College of Veterinary Medicine Mobile Hospital and the North Carolina Department of Agriculture & Consumer Services Companion Animal Shelter Trailer (CAST).

28. Make sure to visit our Equine Club for acupuncture demonstrations on horses! Acupuncture demonstration at 10 a.m. Come see our painted horse on view all day to visualize the muscle groups in our equine friends! Musculoskeletal demonstrations at 9:30 a.m. and 11 a.m. by the Equine Club members. Farrier demonstrations will be at 1 p.m. and 2 p.m.

TERRY CENTER

1. **Family & Community Service:** The Family & Community Service supports the human-animal bond between people and their animals. When this bond is tested by illness, injury, behavior problems or death, we are here to provide support in a variety of ways to both the owners and the medical teams.
- 2a. **Cardiology:** NC State Cardiology is dedicated to improving the lives of pets with heart disease. Our team provides compassionate, comprehensive and expert care for your pet.
- 2b. **Echocardiogram:** (Echo) machine.
3. **Neurology:** Neurology offers state-of-the-art diagnostics and treatments for neurological conditions such as epilepsy, brain tumors and spinal cord injury in dogs and cats and recruits cases for cutting-edge clinical trials in conditions such as spinal cord injury, degenerative myelopathy, epilepsy and gliomas.
4. **Internal Medicine:** Internal Medicine diagnoses and treats serious health problems of dogs and cats, such as diabetes, asthma and infectious disease. Our team also performs endoscopic techniques, such as laser lithotripsy of bladder stones.
5. **Emergency:** Emergency & Critical Care, comprising the Intensive Care Unit and the Small Animal Emergency Service, assists you and your veterinarian with emergencies 24 hours a day, seven days a week.
6. **Anesthesia:** Anesthesia provides anesthesia and analgesia support for all of the patient care services in the NC State Hospitals. Each year, the Anesthesiology Service provides care to approximately 4,200 large, small and exotic animal patients.
7. **Dialysis:** The Dialysis Service provides state-of-the-art treatment for patients with severe kidney disease, intoxication and immune-mediated disease.
- 8a. **Computed Tomography:** (CT) Unit.
- 8b. **Radiology:** Radiology provides advanced diagnostic imaging technology using digital radiographs (X-ray), fluoroscopy, nuclear scintigraphy, computed tomography, magnetic resonance imaging (MRI) and ultrasound.
9. **Surgery:** Small Animal Surgery provides a full range of orthopedic, soft tissue and oncologic (cancer) surgical services.
10. **Oncology:** Oncology provides treatment for all types of cancer using chemotherapy, radiation therapy and surgery.
11. **Ophthalmology:** Ophthalmology is dedicated to the care of ocular (eye) conditions involving all species of animals, with a primary emphasis on maintaining vision and comfort, in order to provide the best quality of life possible.
12. **Dermatology:** Dermatology provides diagnostic and treatment expertise for all species, including but not limited to dogs, cats and horses with diseases of the skin and ear.
13. **Pharmacy:** Pharmacy dispenses medications for all species of animals, compounds drugs to make them easier and safer to administer to animal patients and provides consultation to veterinarians to ensure safe and effective drug therapy.





FOLLOW US ON SOCIAL MEDIA



@NCStateVetMed



@ncstatevetmed



@NCStateVetMed



NC State Veterinary Medicine