



RESEARCH INFRASTRUCTURE

Arthur Weisberg Family Engineering Laboratories

www.marshall.edu/viz

A state-of-the-art simulation lab enables the blending of virtual and real worlds into a 3-D immersive, interactive environment for potential applications in disaster simulations, emergency response training, scientific visualization and biomechanics research.

The building also houses an electronic classroom, a balance room and cutting-edge laboratories to support research in material testing, soil mechanics, hydraulics and environmental engineering.

Robert C. Byrd Biotechnology Science Center

www.marshall.edu/campus/virtualtour.asp?id=34

Designed to facilitate interdisciplinary research between the College of Science and the university's medical school, this state-of-the-art research and educational facility houses biomedical scientists and their students studying cancer, cardiovascular disease and other conditions prevalent in West Virginia.

The facility features classrooms, teaching and research labs, and the university's biomedical core facilities—including sophisticated imaging, genomics and flow cytometry labs. The state's first next-generation DNA gene sequencer is located here. The center is also home to the Marshall Institute for Interdisciplinary Research, which is dedicated to producing patentable scientific breakthroughs and creating new high-tech businesses based on those discoveries.

Forensic Science Center

<http://forensics.marshall.edu>

The Marshall University Forensic Science Center is a national leader in forensics education, training, DNA testing and research. The center's state-of-the-art DNA laboratories are nationally accredited and its master's degree program is ranked among the best in the country. Its training laboratories feature cutting-edge forensic DNA equipment—including genetic analyzers and automation robots—to provide practical, hands-on laboratory experience.

The center's Crime Scene House and its grounds serve as a living laboratory, enabling instructors to teach crime scene investigation techniques including entry procedures, photography, evidence documentation and collection, latent fingerprint development techniques, blood spatter pattern analysis and grave excavation.

Joan C. Edwards School of Medicine

www.musom.marshall.edu

Clinical and basic research at the Marshall University Joan C. Edwards School of Medicine is undertaken in technologically advanced facilities and focuses on health issues related to rural populations.

The school ranks third in the nation in the percentage of graduates entering family practice residency programs and has received a "Top Ten Award" from the American Academy of Family Physicians.

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Edwards Comprehensive Cancer Center

www.edwardsccc.org

Established through a partnership between the university's medical school and Cabell Huntington Hospital, the center offers patients access to the most current protocols for cancer diagnosis, treatment and care.

World-class physicians, radiologists, surgeons and nurses provide a full range of diagnosis and treatment services, including surgery, radiation, chemotherapy, laboratory testing and clinical trials. The Charles H. McKown, M.D., Translational Genomic Research Institute, located on the top floor, comprises more than 10,000 square feet of research space and features advanced scientific equipment, including a next-generation DNA sequencer.

School of Pharmacy

www.marshall.edu/pharmacy

Marshall welcomed the inaugural class of its pharmacy school in fall 2012. Housed in a state-of-the-art, 76,000 square-foot learning, research and pharmacy practice facility, the new school builds on the distinguished and well-established resources that comprise the university's School of Medicine—including its extensive clinical and patient care network and postgraduate residency programs.

The School of Pharmacy has established education agreements with dozens of health care providers and community pharmacies throughout West Virginia and the tri-state region, where students receive their experiential education.