



UNIVERSITY OF MARYLAND, BALTIMORE (UMB)

▼ 1813

First university established on the foundation of a private medical college.

First state-chartered university in Baltimore.

Medical library opens. It is believed to be the first library in the country associated with a medical school.

▼ 1831

First undergraduate division — “liberal arts” — of the University of Maryland.

▼ 1870

First dormitories built for University of Maryland students.

▼ 1880

First incorporated university alumni association in Maryland.

▼ 1961

First and only urban campus in the United States to serve the professions of law, health science, and social welfare.

▼ 1982

The Health Sciences and Human Services Library becomes the first academic health sciences library to implement the Integrated Library System.

▼ 1984

The Health Sciences and Human Services Library is named an Enhance library by the Online Computer Library Center (OCLC), making it the first health sciences library authorized to upgrade cataloging records in the OCLC national database.

▼ 1992

First University System of Maryland institution to offer the Rape Aggression Defense (R.A.D.) training program.

▼ 1994

URecFit becomes the first recreation department in the University System of Maryland to provide memberships to the partners of LGBTQ+ students, faculty, and staff.

▼ 2015

The Health Sciences and Human Services Library’s Innovation Space,

one of the first of its kind in an academic library, opens in April and doubles in size by October because of the popularity of 3D printing, button makers, and other services.

SCHOOL OF DENTISTRY

▼ 1819

First lectures on dentistry in the U.S., delivered by Horace Henry Hayden, a co-founder of the School of Dentistry.

▼ 1839

Source of the first dental journal, *The American Journal of Dental Science*.

▼ 1840

Founded as the first dental school in the world, representing the first effort to offer institutional dental education to those anticipating the practice of dentistry.

Birthplace of the world’s first dental association, the American Society of Dental Surgeons.

▼ 1841

The first Doctor of Dental Surgery degree is awarded.



▼ **1863**

A unique interdental splint made of vulcanized rubber is pioneered by an alumnus and used successfully to treat jaw fracture wounds during the Civil War.

▼ **1877**

A faculty member patents the first hydraulic dental chair and invents the air turbine drill.

▼ **1950**

The first telecast of a dental operation is transmitted from a School of Dentistry operating room.

▼ **1970**

First baccalaureate program in dental hygiene in Maryland.

▼ **1980**

Faculty members develop the Maryland Bridge, a resin-bonded bridge.

▼ **1982**

First U.S. dental school to offer an Advanced Education in General Dentistry program.

▼ **1986**

First U.S. dental school to establish a division of dental informatics to

incorporate computers into dental education.

▼ **2020**

First and only dental school to offer a Dual-Degree BS/MS Clinical Dental Hygiene Leader Track program.

GRADUATE SCHOOL

▼ **2021**

First program in Maryland to provide academic training for those interested in leading organizational diversity, equity, and inclusion efforts.

FRANCIS KING CAREY SCHOOL OF LAW

▼ **1816**

A unique, comprehensive course of legal study — including moral philosophy, history, economics, and literature — is created by David Hoffman, who persuades the Maryland legislature to found a law institute at the University of Maryland, where instruction begins in 1824.

▼ **1950**

Alumna Juanita Jackson Mitchell becomes the first African American woman to practice law in Maryland.

▼ **1985**

Alumna Mabel Houze Hubbard becomes the first Black woman to hold a Maryland Circuit Court judgeship.

▼ **1989**

First law and social work services program of its kind is launched, with law and social work students providing pro bono services.

▼ **2003**

First U.S. law school with a curricular program on the impact of gender in the legal profession.

▼ **2013**

Alumna Mary Ellen Barbera becomes the first female chief judge of Maryland's Court of Appeals.

▼ **2016**

First and only U.S. law school to offer a certificate for JD students in cybersecurity and crisis management/homeland security.



SCHOOL OF MEDICINE

▼ 1809

First removal of an ovary by laparotomy.

▼ 1811

First to predict the relationship between insects and disease.

▼ 1823

First medical school in the United States to build its own hospital for clinical instruction.

▼ 1824

First treatise on eye disease in the U.S.

▼ 1833

First course in the nation on hygiene or preventive medicine.

▼ 1835

First textbook on preventive medicine.

▼ 1842

First systematic monograph on febrile illness in the U.S.

▼ 1848

First U.S. medical school to require anatomical dissection.

▼ 1853

First use of a microscope in the U.S. to diagnose cancer.

▼ 1857

Initial report of scleroderma in the U.S.

▼ 1874

First confirmation that electrical stimulation of the human cortex on one side stimulates muscles on the opposite side of the body.

▼ 1878

Initial treatise on leprosy in Baltimore.

▼ 1900

First experimentally induced case of yellow fever.

▼ 1902

Discovery of Wright's stain.

▼ 1906

First description of histoplasmosis.

▼ 1929

Initial clinical report of a pheochromocytoma diagnosed successfully and cured surgically.

▼ 1945

Initial catheterization of renal and hepatic veins in humans.

▼ 1948

First successful specific antibiotic treatment of Rocky Mountain spotted fever.

▼ 1950

Initial convincing publication establishing the relationship of cancer and cigarette smoking.

▼ 1958

Initial clinical report of a low-dose insulin regimen to treat diabetic ketoacidosis.

▼ 1960

Establishment of first shock trauma unit in the U.S.

▼ 1972

Discovery of CoA Transferase deficiency, a disease affecting the central nervous system in children.

▼ 1980

First demonstration that *E. coli* could cause diarrhea in humans by more than mechanism.

▼ 1983

Development of a microwave scalpel to inhibit bleeding during critical operations.



▼ **1992**

First test of a genetically engineered cholera vaccine.

▼ **1993**

Development of beta interferon to alter the course of multiple sclerosis.

▼ **1994**

Development of Copolymer1 for mild to moderate forms of multiple sclerosis.

▼ **1995**

Development of two surgical procedures to treat severe diffuse emphysema.

▼ **1997**

First implantation in Maryland of an electrical device — the vagus nerve stimulator — to help control epileptic seizures in people not helped by medication.

▼ **1999**

Development of a successful blood cleansing procedure to enable people on kidney dialysis to receive a kidney transplant without immediate rejection.

▼ **2000**

Development of an edible vaccine, in the form of a genetically engineered potato, that delivers protection against E. coli.

Discovery of the genetic biomarker for earlier diagnosis of cancer of the esophagus that may lead to more effective treatment.

▼ **2003**

First test of the safety of a new, genetically engineered vaccine for anthrax.

▼ **2004**

Discovery that parts of the brain can be trained to take over damaged areas and that a specialized rehab program for stroke patients that involves repetitive, simultaneous movement of both arms activates new pathways in the brain.

▼ **2005**

Development of aromatase inhibitors, a new class of drugs widely used to treat breast cancer.

▼ **2006**

Discovery that a medication used to treat mild Alzheimer's disease can be used to protect people

against the toxic effects of nerve agents and certain insecticides.

▼ **2009**

Development of the first small artificial lung device, allowing patients to remain active while awaiting a lung transplant.

▼ **2010**

Invention of GammaPod device, which can eliminate traditional surgery and radiation for women with early-stage breast cancer.

World's first robotically assisted, minimally invasive aortic valve bypass surgery.

▼ **2011**

One of only two universities to collaborate with IBM on groundbreaking artificial intelligence technology, with computer "Watson" enrolling as a student.

▼ **2012**

Ground is broken on the first and only proton treatment center in the Baltimore-Washington area.

▼ **2014**

Only U.S. medical school to be appointed by the World Health



Organization to begin first testing of Ebola vaccine.

▼ **2015**

Began clinical trials for a potential HIV vaccine.

▼ **2016**

First medical school to take part in a worldwide Zika vaccine trial.

▼ **2017**

First to develop a novel hypothermia treatment with potential to improve survival chances for the most seriously injured trauma victims.

▼ **2017**

First to lead a groundbreaking clinical trial using stem cells to treat babies born with serious heart defects.

▼ **2018**

Opened largest biomedical research facility in the University System of Maryland.

▼ **2019**

First to use unmanned aircraft (drone) to transport kidney for human organ transplantation.

▼ **2020**

First to begin clinical trials in Maryland for top COVID-19 mRNA vaccine candidates (Pfizer and Moderna).

▼ **2021**

First to perform 1 million COVID-19 tests for the state of Maryland.

▼ **2022**

First to perform successful pig heart to human xenotransplantation.

SCHOOL OF NURSING

▼ **1889**

First nursing program at a U.S. public university, under the direction of a graduate of the Nightingale Training School for Nurses.

▼ **1952**

First nursing school in Maryland to offer a baccalaureate program.

▼ **1955**

First nursing school in Maryland to offer a master's program.

▼ **1964**

First nursing school to provide a baccalaureate program for the U.S.

Army through establishment of the Walter Reed Army Institute of Nursing.

▼ **1979**

One of the first nursing schools in the nation to offer a PhD program.

▼ **1980**

First graduate nursing program to offer a nationally accredited major in nursing-health policy studies.

▼ **1988**

First nursing school in the world to offer a master's specialty in nursing informatics.

▼ **1991**

First U.S. nursing school to offer a PhD program with a nursing informatics concentration.

▼ **1999**

First and only school of nursing in Maryland with a museum designed as a learning environment for students.

▼ **2001**

First nursing school in Maryland to offer an RN-BSN online degree program.



▼ **2002**

First U.S. nursing school to offer an environmental health nursing graduate certificate program.

▼ **2003**

First U.S. nursing school to offer an environmental health nursing track in its master's program.

▼ **2004**

First nursing school in Maryland to offer a master's specialty in nurse anesthesia.

First and only nursing school in Maryland with an Institute for Educators.

▼ **2005**

First nursing school in Maryland to offer a Doctor of Nursing Practice degree.

First nursing school in Maryland to offer a Clinical Nurse Leader (CNL) master's option.

▼ **2006**

First U.S. nursing school to receive a grant from Susan G. Komen for the Cure to advance education and practice in the treatment of breast cancer.

▼ **2008**

First nursing school in Maryland to offer a combined Adult Nurse Practitioner and Gerontological Nurse Practitioner master's specialty.

▼ **2016**

First nursing school to earn the American Association of Colleges of Nursing's Innovation in Professional Nursing Award twice (the school also won it in 2010).

First nursing school in Maryland to offer a Care Coordination with Health IT focus area (as part of its RN-to-BSN program).

▼ **2020**

First-of-its-kind Clinical Nurse Leader Guaranteed Seat Partnership with the University of Maryland, Baltimore County (UMBC), through which UMSON provides UMBC students who meet criteria with guaranteed admission to its Master of Science in Nursing CNL option.

▼ **2021**

Only U.S. nursing school to offer a postbachelor's certificate in Substance Use and Addictions Nursing.

SCHOOL OF PHARMACY

▼ **1844**

David Stewart, one of the school's founders, is selected to deliver the college's lectures for the upcoming year, becoming the first formally appointed pharmacy professor in the country.

▼ **1852**

School faculty help organize the first meeting of the American Pharmacists Association, the largest U.S. professional pharmacists association.

▼ **1871**

First laboratory for instruction in analytical chemistry in a college of pharmacy, established by William Simon.

▼ **1883**

First pharmaceutical laboratory at a U.S. school of pharmacy, established by faculty member Charles Caspari.

▼ **1898**

Faculty member H.P. Hynson becomes the first president of the National Association of Retail Druggists, now called the National Community Pharmacists Association.



Lady Mary Johnson becomes the first woman to graduate from the school. During the 19th century, fewer than 300 women graduated from all pharmacy schools in the country.

▼ **1910**

Dean Charles Caspari is appointed the first FDA commissioner for Maryland.

▼ **1927**

A first-of-its-kind department of pharmacology and therapeutics is established through a gift from Isaac E. Emerson of the Emerson Drug Company.

▼ **1930**

Faculty member and graduate H.A.B. Dunning sponsors a research fellowship in pharmaceutical chemistry, the first such fellowship in the U.S.

▼ **1948**

B. Olive Cole is named acting dean, becoming the first female dean of a pharmacy school in the U.S.

▼ **1972**

First U.S. pharmacy school to participate in the Food and Drug Administration's drug defect program, which allows pharmacists and other

health professionals to uncover problems related to the quality of pharmaceutical products.

▼ **1978**

Dean William J. Kinnard is one of the first two pharmacists elected to the prestigious Institute of Medicine, a unit of the National Academy of Sciences.

▼ **1980**

First and only center for the study of pharmacy and therapeutics in the elderly, now known as the Peter Lamy Center on Drug Therapy and Aging.

▼ **1983**

First school of pharmacy to take over pharmacy services in state mental health facilities.

▼ **1993**

PharmD degree program is established, years before it becomes mandated nationally in 2000.

▼ **1997**

First palliative care pharmacy residency program in the world.

▼ **2006**

The Center for Nanomedicine and Cellular Delivery, now called the

Bio- and Nano-technology Center, becomes UMB's first organized research center.

▼ **2007**

Natalie D. Eddington becomes the school's first African American dean and first full-time female dean.

▼ **2011**

The school establishes one of the first two FDA-funded Centers of Excellence in Regulatory Science and Innovation in collaboration with the University of Maryland, College Park.

▼ **2012**

First-of-its-kind MS in Pharmacometrics program is established.

▼ **2013**

First school of pharmacy to be included in the Waters Corp. Centers of Innovation Program, in recognition of its Mass Spectrometry Center.

PATIENTS Program creates the first disease-agnostic infrastructure for patient-centered outcomes research with a \$5 million grant from the Agency for Healthcare Research and Quality.



▼ **2017**

First U.S. pharmacy school to implement pharmapreneurism — pharmacy entrepreneurship — into its strategic plan and to incorporate the initiative into its education, research, practice, and community service goals.

First U.S. MS in Palliative Care online program.

▼ **2019**

First U.S. graduate program dedicated to the study of medical cannabis.

▼ **2021**

First U.S. PhD in Palliative Care program.

SCHOOL OF SOCIAL WORK

▼ **1961**

First graduate school of social work in Maryland.

▼ **1964**

First U.S. school to have a Volunteers in Service to America fellows program.

First school of social work to make it possible for hearing-impaired students to earn an MSW degree through its Center for the Graduate Social Work Education for the Hearing Impaired.

▼ **1965**

First U.S. training center to focus on poverty and problems within the inner city.

▼ **1968**

First U.S. school to establish a communications center for the families and friends of those affected by civil unrest after the death of Martin Luther King Jr.

▼ **1969**

First intercampus social work program in the nation — between UMB and the University of Maryland, Baltimore County.

▼ **1970**

First U.S. school to offer both MSW and MCP degrees.

First school in social work education to organize content into specializations or concentrations.

▼ **1979**

Only U.S. school to offer a postmaster's certificate in social administration and to offer a clinical/social administration concentration.

Only U.S. school to offer a certificate of concentration on aging and to offer an aging administration program to meet the critical need for qualified personnel in the network of agencies and organizations — emanating from the Older Americans Act — to serve the growing population of older people.

▼ **2009**

First school of social work to host a Public Allies (AmeriCorps) program.

▼ **2013**

First (and still only) school of social work to host a federally recognized Promise Neighborhood.

▼ **2014**

First U.S. center dedicated to evidence-based practice in child welfare.