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## UNIVERSITY OF MARYLAND, BALTIMORE (UMB)

**1812** First university established on the foundation of a private medical college

First state-chartered university in Baltimore

**1813** 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 urban campus in the U.S. to serve the professions of law, health science, and social welfare

**1982** First academic health sciences library, the Health Sciences and Human Services Library, (HSHSL), to implement the Integrated Library System

**1983** First academic health sciences library (HSHSL) in Maryland to become a Regional Medical Library under a National Library of Medicine, Network of the National Library of Medicine grant

**1984** First academic health sciences library authorized to upgrade cataloging records in the Online Computer Library Center (OCLC) national database

**1992** First institution in University System of Maryland to offer the Rape Aggression Defense (R.A.D.) training program

**1994** First recreation department (URecFit) in the University System of Maryland to provide memberships to the partners of LGBTQ+ students, faculty, and staff

**2015** First National Cancer Institute-funded Continuing Umbrella of Research Experiences (CURE) program to recruit middle school students to the STEM pipeline program

**2018** First university in Maryland to launch a Police Athletic/Activities League program for children in West Baltimore

**2020** Partnered with the University of Maryland, Baltimore County to become the first universities in Maryland to join the Age-Friendly University Global Network

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## SCHOOL OF DENTISTRY

**1819** First lectures on dentistry in U.S., delivered by Horace Henry Hayden, co-founder of the School of Dentistry (UMSOD)

**1839** First dental journal, The American Journal of Dental Science, established, with UMSOD co-founder Chapin A. Harris playing a major role in its organization

**1840** First dental school in the world, representing the first effort to offer institutional dental education to those anticipating the practice of dentistry

**1841** First Doctor of Dental Surgery degree awarded

**1863** First interdental splint made of vulcanized rubber, pioneered by an alumnus and used successfully to treat jaw fractures during the Civil War

**1877** First hydraulic dental chair, patented by a faculty member who also went on to invent the air turbine drill

**1950** First telecast of a dental operation, transmitted from a UMSOD operating room

**1970** First baccalaureate program in dental hygiene in Maryland

**1980** First resin-bonded bridge, the Maryland Bridge, developed by faculty members

**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

**2023** First U.S. dental school to establish a division of artificial intelligence research

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## SCHOOL OF GRADUATE STUDIES

**2021** First program in Maryland to provide academic training for those interested in leading organizational diversity, equity, and inclusion efforts

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## FRANCIS KING CAREY SCHOOL OF LAW

**1816** First law school in Maryland, created when David Hoffman persuades the state legislature to found a law institute at the University of Maryland, where instruction begins in 1824

**1950** First African American woman to practice law in Maryland, alumna Juanita Jackson Mitchell

**1985** First Black woman to hold a Maryland Circuit Court judgeship, alumna Mabel Houze Hubbard

**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** First female chief judge of Maryland's Court of Appeals, alumna Mary Ellen Barbera

**2016** First and only U.S. law school to offer a certificate for Juris Doctor students in cybersecurity and crisis management/homeland security

**2024** First forensic defense clinic in a law school in U.S.

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## 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

First successful removal of a uterine cervix in U.S. or Great Britain

**1824** First treatise on eye disease in U.S.

**1833** First course in U.S. on hygiene or preventive medicine

**1835** First textbook on preventive medicine

**1842** First systematic monograph on febrile illness in U.S.

**1848** First U.S. medical school to require anatomical dissection

**1853** First application of exfoliative biopsy to diagnose cancer

First use of a microscope to diagnose cancer

**1857** First report of scleroderma in 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** First treatise on leprosy in Baltimore

**1900** First experimentally induced case of yellow fever

**1906** First description of histoplasmosis

**1945** First catheterization of renal and hepatic veins in humans

**1948** First successful specific antibiotic treatment of Rocky Mountain spotted fever

**1950** First convincing publication establishing the relationship of cancer and smoking cigarettes





**1958** First clinical report of a low-dose insulin regimen to treat diabetic ketoacidosis

**1960** First shock trauma unit in 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** First beta interferon to alter the course of multiple sclerosis

**1994** Development of Copolymer1 for mild to moderate forms of multiple sclerosis

**1995** First 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** First successful blood cleansing procedure to enable people on kidney dialysis to receive a kidney transplant without immediate rejection

**2000** First edible vaccine, in the form of a genetically engineered potato, to deliver protection against E. coli

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

**2005** First aromatase inhibitors developed, adding a new class of drugs widely used to treat breast cancer

**2006** First to discover 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** First small artificial lung device, allowing patients to remain active while awaiting a lung transplant

**2010** First device, the GammaPod, that can eliminate traditional surgery and radiation for women with early-stage breast cancer

First robotically assisted, minimally invasive aortic valve bypass surgery in the world

**2012** First proton treatment center in the Baltimore-Washington, D.C., area begins construction

**2014** First and only medical school in U.S. to be appointed by the World Health Organization to begin initial testing of Ebola vaccine

**2015** First 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 the potential to improve survival chances for the most seriously injured trauma victims

First clinical trial using stem cells to treat babies born with serious heart defects

**2019** First to use unmanned aircraft (drone) to transport a kidney for human organ transplantation

**2020** First in Maryland to begin clinical trials for the 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 successful pig heart-to-human xenotransplantation

**2024** First community “health village” planned to be built at Mondawmin Mall in West Baltimore

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## 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 the establishment of the Walter Reed Army Institute of Nursing

**1979** One of the first nursing schools in U.S. 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 nursing school in U.S. to offer a PhD program with a nursing informatics concentration

**1999** First and only nursing school 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 nursing school in U.S. to offer an environmental health nursing graduate certificate program

**2003** First nursing school in U.S. 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 nursing school in U.S. to receive a grant from the 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 (also recognized 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 the School of Nursing provides UMBC students who meet the criteria with guaranteed admission to its Master of Science in Nursing CNL option

**2021** Only nursing school in U.S. to offer a graduate certificate in substance use and addictions nursing

**2022** First nursing school in U.S. to establish an organized research center, the Placebo Beyond Opinions Center, to advance interdisciplinary research and education on placebo, nocebo, and expectation effects

**2023** First nursing school in Maryland to pilot a faculty residency program designed to prepare nurses for faculty roles





**2024** First nursing school in U.S. to launch a restorative justice student leadership program, through which nursing students receive training to become restorative justice facilitators

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## SCHOOL OF PHARMACY

**1844** First formally appointed pharmacy professor in U.S., David Stewart

**1852** First meeting of the American Pharmacists Association, the largest U.S. professional pharmacists association, organized with the help of School of Pharmacy (UMSOP) faculty

**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** First president of the National Association of Retail Druggists, now called the National Community Pharmacists Association, faculty member H.P. Hynson

**1910** First Food and Drug Administration (FDA) commissioner for Maryland appointed, Dean Charles Caspari

**1927** First-of-its-kind department of pharmacology and therapeutics, established through a gift from Isaac E. Emerson of the Emerson Drug Company

**1930** First research fellowship in pharmaceutical chemistry, sponsored by faculty member and graduate H.A.B. Dunning

**1948** First female dean of a pharmacy school in U.S., B. Olive Cole (acting dean)

**1972** First U.S. pharmacy school to participate in the FDA's drug defect program, which allows pharmacists and other health professionals to uncover problems related to the quality of pharmaceutical products

**1978** First two pharmacists elected to the prestigious Institute of Medicine, a unit of the National Academy of Sciences, includes Dean William J. Kinnard

**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

**1997** First palliative care pharmacy residency program in the world

**2006** First organized research center at UMB, the Center for Nanomedicine and Cellular Delivery, now called the Bio- and Nano-technology Center

**2011** First two FDA-funded Centers of Excellence in Regulatory Science and Innovation, established in collaboration with the University of Maryland, College Park

**2012** First-of-its-kind MS in pharmacometrics program

**2013** First school of pharmacy included in the Waters Corp. Centers of Innovation Program, in recognition of UMSOP's Mass Spectrometry Center

First disease-agnostic infrastructure for patient-centered outcomes research, created by the PATIENTS Program with a \$5 million grant from the Agency for Healthcare Research and Quality

**2017** First pharmacy school in U.S. to implement pharmapreneurism — pharmacy entrepreneurship — into its strategic plan and to incorporate the initiative into its education, research, practice, and community service goals

First MS in palliative care online program in U.S.

**2019** First graduate program in U.S. dedicated to the study of medical cannabis



**2021** First PhD in palliative care program in U.S.

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## SCHOOL OF SOCIAL WORK

**1961** First graduate school of social work in Maryland

**1964** First school in U.S. 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 a Master of Social Work (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 school in U.S. 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 U.S. (UMB and the University of Maryland, Baltimore County)

**1970** First school in U.S. to offer both MSW and Master of Clinical Psychology degrees

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

**1979** First school in U.S. to offer a post-master's certificate in social administration and first to offer a clinical/social administration concentration

First school in U.S. 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

**1980** First and largest MSW specialization program in the world focused on employee assistance programs

First program in U.S., the Financial Social Work Initiative, to help prepare social work students, faculty, staff, and the broader field to better address financial realities in people's lives and within the social work profession

**2009** First school of social work to host a Public Allies (AmeriCorps) program

**2013** First school of social work to host a federally recognized Promise Neighborhood

**2014** First center in U.S. dedicated to evidence-based practice in child welfare

**2020** First school of social work in the Delaware/Maryland/Washington, D.C., region to form a dedicated office of diversity, equity and inclusion with an associate dean and full-time staff

First diversity, equity, and inclusion training institute within a school of social work, the LEAD (Leading for Equity, Anti-Racism, and Diversity) Institute

**2023** First school in U.S. to offer the dual-degree MSW and medical cannabis science and therapeutics post-baccalaureate certificate

**2024** First school of social work in U.S. to host a justice, equity, diversity, and inclusion summit in response to the closing of diversity, equity, and inclusion (DEI) offices and the increase in anti-DEI legislation around the nation

First workplace-focused opioid response program in U.S., formed in partnership with the School of Medicine