USU
Uniformed Services University

MEDICINE
F. Edward Hébert School of Medicine

America's Medical School

What You Need To Know

Published May 2020

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USU's Mission

The mission of USU is to support the readiness of America's Warfighter and the health and well-being of the military community by educating and developing uniformed health professionals, scientists and leaders; by conducting cutting-edge, military-relevant research, and by providing operational support to units around the world.

Learning to Care for Those in Harm's Way

School of Medicine Mission

The F. Edward Hébert School of Medicine is the Nation's federal school of medicine and is committed to excellence in military medicine and public health during periods of peace and war. We provide the Nation with health professionals dedicated to career service in the Department of Defense and the United States Public Health Service and with scientists who serve the common good. We serve the uniformed services and the Nation as a premier school of medicine with a worldwide perspective for education, research, service, and consultation; we are unique in relating these activities to military medicine, disaster medicine, and military medical readiness.

USU's Vision

By the end of Calendar Year 2023, the Uniformed Services University of the Health Sciences will be internationally recognized as DoD's leading educational institution that: creates and develops career Uniformed Services leaders in the health sciences conducts, develops and disseminates innovative warfighter-relevant health research and technology that directly impacts the survivability and lethality of the US Warfighter and improved health for the DoD community.

School of Medicine Vision

The F. Edward Hébert School of Medicine is the Nation's medical school, recognized as the leader in the education of physicians and scientists to care for those in harm's way in a rapidly evolving global frontier.

USU's Three Mission Domains - Strategic Themes

Education: USU educates outstanding health professionals, leaders, scientists and administrators to meet the needs of the DoD, the MHS, the Public Health Service (PHS) and the Warfighter in support of operational readiness worldwide. We design, sustain, and modify curricula, both on campus and at military training locations.
Research and Scholarship: Our research and scholarship are requirements-driven, innovative and directly relevant to DoD, the American Warfighter and the Uniformed Services community.
Leadership and Service: USU faculty, scientists, staff, and students are health and research professionals, providing sought-after leadership throughout the Uniformed Services and across the U.S. Government in support of National Security.

Greetings, Friends!

Choosing a medical school can be a daunting experience. The USU Office of Recruitment and Admissions has developed this booklet in an effort to answer some of your questions and to showcase the opportunities available at the Nation's leadership academy for the Military and Public Health System.

USU provides an enhanced medical education with a number of unique and special features. Our students--representing diverse geographic, socioeconomical, racial, ethnic, & cultural backgrounds--receive their education and training in state of the art facilities and are connected to the incredible resources of the federal government's vast biomedical research and health services enterprise, including the Veterans Administration and the National Institutes of Health. Physicians in military and public health medicine have access to a global electronic medical records system and are trained with cutting edge technology.

The faculty of the F. Edward Hébert School of Medicine--"America's Medical School"--are committed to excellence in medical education, military medicine, public health, science, technology, and patient care. They ensure that our educational programs remain contemporary and relevant. Present and future graduates will serve in a world undergoing rapid and profound change. Our graduates are uniquely prepared to meet the opportunities and challenges of medicine in this uncertain world.

The Office of Recruitment and Admissions is here to answer your questions and provide any information you may need to help plan your future in medicine. After reviewing the material in this brochure, we hope you will contact us with any follow up questions.

Robert Liotta, MD
Captain, Medical Corps, US Navy
Associate Dean, Recruitment and Admissions
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A Medical Career in the Uniformed Services

The Uniformed Services University of the Health Sciences (USU) is located on the grounds of the Walter Reed National Military Medical Center in Bethesda, Maryland – a suburb of Washington, D.C. – and is the nation's only federal school of medicine, graduate school of nursing, postgraduate dental college and college of allied health sciences. The university's close proximity to the National Institutes of Health, the National Library of Medicine and Walter Reed National Military Medical Center make it a unique location for medical education and research.

USU was established by Congress in 1972 to provide career medical officers to serve the nation. More than 5,000 physicians have graduated since USU opened its doors in 1976, many of them in top medical leadership positions around the world.

USU's F. Edward Hébert School of Medicine - America's Medical School - is a non-traditional medical school with a unique focus on health promotion and disease prevention. The school has a year-round, four-year curriculum that is nearly 700 hours longer than found at other U.S. medical schools. In addition to disease prevention and health promotion, these extra hours focus on epidemiology, tropical medicine, emerging infectious diseases, leadership and field exercises, disaster medicine and other subjects that relate to the unique requirements of career-oriented uniformed physicians.

The F. Edward Hébert School of Medicine provides students with the knowledge, skills and attributes necessary to become supremely competent and compassionate physicians, while also offering them the opportunity to serve their country as uniformed men and women.

A Debt-Free Education

Students attending USU can focus on their education without the worry of incurring debt. Medical students enter the University as commissioned officers in one of the four uniformed services: Army, Navy, Air Force or Public Health Service. No prior service is required for admission to USU. Students pay no tuition or fees and, in fact, receive the full salary and benefits of a uniformed officer throughout their four years at the university in exchange for a seven-year active duty service commitment.* These benefits include free medical care for students and eligible family members, a housing allowance, and 30 days paid leave annually. Books and laboratory equipment are also furnished to students at no charge.

Prior to matriculation, all incoming students attend a four-to six-week officer orientation program where they learn about the customs and traditions of life in their respective services as well as the responsibilities of a uniformed officer.[t] This orientation provides students who have no prior commissioned officer experience with a transition to the uniformed services. Students then proceed to USU for the beginning of their formal medical education.

Upon graduation, students are promoted to the rank of O-3 (Captain for Army/Air Force, and Lieutenant for Navy/Public Health Service).

*PHS graduates have a ten year active duty obligation.

[t] Students with prior service as commissioned officers are exempt

Requirements for Admission

General Requirements

Applicants must be U.S. citizens and meet the physical and security requirements for holding a commission in the uniformed services. Both civilians and military personnel are eligible for admission. However, individuals who are in the military service must have approval from their military departments or sponsoring components as part of their application (including the service academies, scholarship and non-scholarship ROTC, advanced ROTC, and Reserve Components).

All students must be at least 18 years old at the time of matriculation, but no older than 36 as of June 30th in the year of matriculation.[1]

Test Requirements

Applicants to the School must take the Medical College Admissions Test (MCAT), a standardized examination designed to measure general and specific aptitude for medical studies. Applicants must provide scores from tests that have been taken within 3 years of desired matriculation.

*Academic Requirements**

- Applicants must have been awarded a baccalaureate degree from an accredited academic institution in the U.S., Puerto Rico, or Canada by June 1st of the year of desired matriculation, and must have completed the following coursework:
- One academic year of general or inorganic chemistry with lab
- One academic year of physics with lab
- One academic year of organic chemistry with lab or one semester of organic chemistry with lab and one semester of biochemistry
- One academic year of biology with lab
- One academic year of writing-intense humanities, languages, social sciences or psychology
- One semester of calculus or statistics

*All prerequisite courses may be taken in a classroom setting or online. Community College courses may be used to satisfy these requirements. Advanced Placement and International Baccalaureate courses for which one has been awarded college credit may also be used to satisfy these requirements. It is highly encouraged that those with Advanced Placement or International Baccalaureate credit take upper level science courses to demonstrate their ability to succeed in an advanced, rigorous science based educational setting.

1 The age limits for entrance parallel those governing appointment in the Regular Medical Corps of the Armed Forces (Section 532 of 10 U.S.C.). Those applicants not meeting these age requirements may request a waiver provided they have been conditionally offered on acceptance. Requests for waivers are sent to the Associate Dean for Recruitment & Admissions to be forwarded with the conditional acceptance to the Assistant Secretary of Defense for Health Affairs (ASD(HA)) for coordination with the respective Service for approval or nonapproval of the age waiver.

Procedures for Admission

The School of Medicine participates in the American Medical College Application Service (AMCAS). Applications are only available directly from AMCAS online at www.amcas.org.

Admission Inquiries

Combining medicine and the military is a dual challenge. For those committed to it, however, the rewards are great: an excellent medical education and the opportunity to serve one's country in a global medical practice. If you would like to receive more information on the School of Medicine, please contact:

Uniformed Services University of the Health Sciences
Office of Admissions, Room A1041
4301 Jones Bridge Road
Bethesda, MD 20814-4799

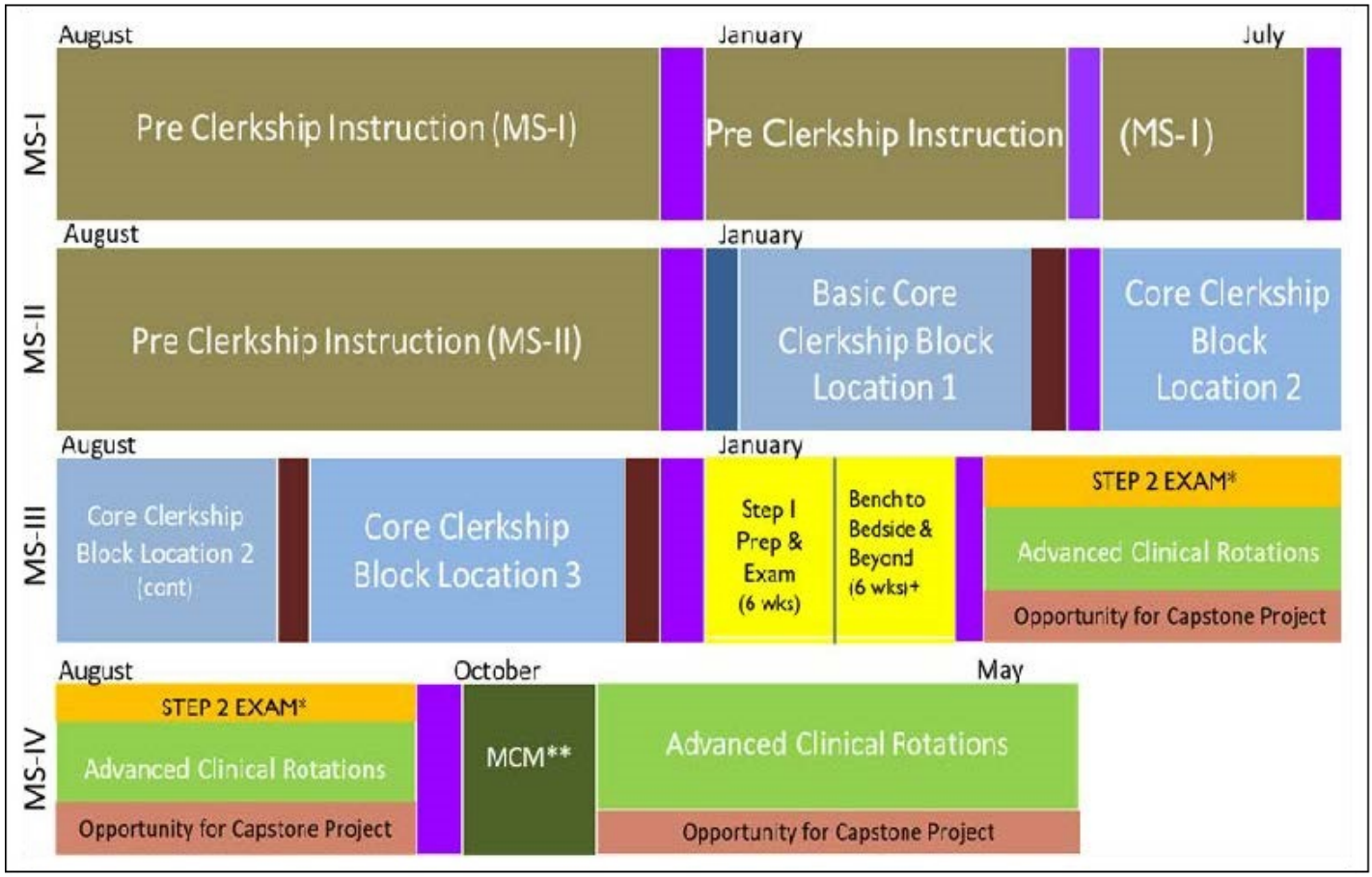
(301) 295-3101

1-800-772-1743
Fax: (301) 295-3545

www.usuhs.edu/medschool/admissions
e-mail: admissions@usuhs.edu

Overview of USU Molecules to Military Medicine Curriculum

The School of Medicine curriculum focuses on the theme "Molecules to Military Medicine" and incorporates four conceptual pillars: the integration of basic & clinical sciences across the entire four year curriculum, early patient contact, adaptability to unique learning styles, and the use of advanced educational technologies. As a member of the student body, you have an opportunity to work in a clinical setting early in your studies, while maintaining a strong emphasis on those aspects of the basic sciences that represent the underpinning of all medical education. The curriculum uses an integrated, system-based approach which allows for medical science to be learned and applied in a clinical context. In addition, students have an opportunity to gain meaningful clinical experience in caring f patients within the first few weeks/months of the new curriculum. As described in the following pages, the overall curriculum is divided into three major segments: the re-clerkship, core clerkship and post-clerkship periods, all of which incorporate specialized instruction and training related to the unique aspects of military medicine.



Pre-Clerkship Period (16 months)

The sixteen month pre-clerkship period allows students to establish a strong scientific foundation, leading to an enhanced understanding of the mechanisms of human disease, and the latest approaches to the prevention and treatment of human illness. At the same time, students develop professional identities as officers and physicians, so they may ultimately fulfill the promise of duty and expertise expected by their patients and military units. Students are taught and mentored by senior faculty, with special emphasis being placed on personal values and the acquisition of skills needed to master the key elements of basic and clinical sciences, along with the social and epidemiologic principles underlying effective patient care.

The Uniformed Services University strives to instill a spirit of enthusiasm and curiosity for a lifetime of discovery and self-improvement. The pre-clerkship period begins with a seven-week “Foundation in Medicine” module which introduces key concepts in basic science and clinical medicine, and allows students to acquire the tools to master the materials and develop the skills presented in six subsequent organ-system based modules.

Fundamentals of Military Medical Practice and Leadership (MMPL)

This aspect of the pre-clerkship program establishes a basic foundation in the skills, knowledge, and attitudes required for the USU graduate to be a successful Military Medical Officer. The Military Medical Officer is expected to be a leader, proficient in both clinical and operational military medicine. The USU curriculum is designed to develop the student’s expertise in all aspects of military medicine.

The Military Medical Practice and Leadership track represents the core of the Operational Military Medicine component of the pre-clerkship curriculum. It aims to develop those skills, knowledge, and attitudes that are not strictly medical in nature, but focus on the systems, populations, and leadership skills essential to a successful career in military medicine. Topics include (but are not limited to) professionalism, combat medical skills, pre-hospital trauma life support, military unique medicine, medical intelligence, health service support, medical planning and logistics, the military decision making process, and stability operations. There are two field exercises and an Antietam Battlefield experience, a combination of field training and military history for a full day at the Antietam National Battlefield. These experiences are part of the MMPL track, which begins with the SOM orientation and extends through the entire pre-clerkship period.

Core Clerkships Period (12 months)

Following a 10 day orientation session in which students are introduced to their roles and responsibilities associated with the inpatient and out-patient clinical environments, students participate in a total of 48 weeks of required clinical clerkships, which are accomplished in three sixteen-week blocks. The blocks may be completed in any order, but each block involves completion of a paired set of clinical clerkships, that incorporate the integration of key clinical and basic science themes or "threads" (see Table below).

Block 1	Inpatient Medicine	Outpatient Medicine	Psychiatry
Block 2	Family Medicine	Pediatrics	Selective Rotation
Block 3	General Surgery	Surgical Specialties	Obstetrics and Gynecology

Leave periods are provided in early May after the first block, at the end of the 2nd block in August, and after completion of the final block in December. The basic science "threads" build on many of the fundamental anatomic, physiologic and pathologic concepts that were introduced in the pre-clerkship modules. Clinical threads focus on topics of medical professionalism, ethics, patient safety, quality improvement, the skills necessary to practice life-long learning, and on evidence-based medicine.

Post Clerkship Period (17 months)

The major objectives of the post-clerkship period are to prepare students for graduate medical education (residency training), and to foster advanced clinical decision-making skills as students move from being able to ***R***eport medical information, to ***I***nterpreting information, and ultimately being able to ***M***anage and ***E***ducate patients in accordance with the synthetic "R.I.M.E." model of medical education.

The first six weeks of the post-clerkship phase are used to help students prepare for successful completion of Step 1 of the USMLE exam. Students then have a six-week period of advanced curricular instruction entitled "Bench to Bedside and Beyond" or B3. B3 is an opportunity for students to further integrate basic science and clinical concepts in an advanced context. Emphasizing case-based examples, B3 also incorporates topics such as patient safety, interdisciplinary and team-based care (patient-centered medical home), professionalism and evidence-based clinical decision making.

After B3, post-clerkship students will have an extended period of advanced clinical electives. This will allow time for several 'audition' rounds with prospective residency sites and will further enhance students' clinical skills and opportunities. Offerings include medical and surgical, ambulatory and inpatient rotations, research electives, operational medicine electives, as well as traditional sub-internships. During this period, students will complete Part 2 of their board examinations (USMLE Step 2 Clinical Skills and Clinical Knowledge).

The opportunity to complete a Capstone project represents another unique aspect of the post-clerkship period. The Capstone is a longitudinal project involving an area of scientific inquiry of the student's choosing. Capstone projects can range from traditional basic science projects to integrative, operational, or translational clinical projects. Students completing
Capstone projects will be permitted to devote up to three months of dedicated time during the post-clerkship period to this scientific endeavor.

Grading Policy

In 2011 School of Medicine transitioned from the use of traditional letter grades to a system based on the designation of either Honors, Pass, or Fail. This grading system applies to the entire four-year curriculum. The only exception is that some units/rotations may be limited to the award of a pass/fail designation only.

For more information on the curriculum, please visit our website at:
www.usuhs.edu/curriculum

Additional questions? Please feel free to contact:

Dr. Arnyce R. Pock
Colonel (Ret), US Air Force, Medical Corps
Associate Dean of Curriculum
arnyce.pock@usuhs.edu

Tuition, Books and Equipment

The School of Medicine is a tuition-free institution. In addition, books and instruments are furnished to students either without charge or on a loan basis. Access to computer resources necessary to complete curriculum requirements is required. This may entail purchase of a computer by the individual student.

Status/Pay

While enrolled in the School of Medicine, students serve on active duty as commissioned officers in grade O-1 (i.e., Second Lieutenant in the Army or Air Force, Ensign in the Navy or Public Health Service) with full pay and allowances for that grade.

Military personnel accepted for entrance who hold appointments in grades higher than O-1 must be recommissioned as an O-1 upon matriculation*. Regular officers of the uniformed services selected for entrance must resign their Regular commission to enter the School. Resignations should be arranged to be effective coinciding with day prior to matriculation to preclude a break in service.

Enlisted acceptees are discharged from their services at their duty stations the day preceding their effective Permanent Change of Station (PCS) dates to the School. They are commissioned on the day of official departure from their units. It is important to ensure the discharge is the day prior to the PCS to preclude a break in service.

Base Pay

Base Pay, which is taxable, is based on an individual's service longevity, i.e., years of service. The amount shown in the chart on the next page is the minimum monthly base pay for an O-1 with no prior service.

Basic Allowance for Housing (BAH)

BAH is based on whether a student has dependents, the amount of the service member's rent or mortgage payment and the location of the member's primary duty station. This allowance is provided to all military members who reside off base and is non-taxable. The amount listed in the following chart is the maximum amount for an O-1.

Advance Standing and Transfer

The School of Medicine does not have an advanced standing program and admits students only to the first year class.

*See Save Pay Provision

Basic Allowance for Subsistence (BAS)

BAS, which is also non-taxable, is one standard amount for all officers. The following chart depicts annual pay for a student with no prior service at the O-1 as of Jan 2020:

TYPE OF PAY	WITH DEPENDENTS	WITHOUT DEPENDENTS
Annual Base Pay	$39,445.20	$39,445.20
Basic Allowance for Housing	28,548.00	27,576.00
Basic Allowance for Subsistence	3,080.16	3,080.16
Annual Total (Gross Pay)	$ 71,073.36	$70,101.36

Longevity Credit

The four years spent in medical school do not count toward determining pay upon graduation. All students are commissioned into the regular medical corps on graduation day in grade O-3 (captain in the Army or Air Force; lieutenant in the Navy or Public Health Service. At the O-3 grade, the combined base pay, BAH (including locality pay for Washington, D.C.), and BAS for a student with no prior service and no dependents is $102,983.76 for 2020; for a student with no prior service and dependents, it is $107,555.76.

Save Pay Provision

SEC. 524. TREATMENT OF PRIOR ACTIVE SERVICE MEMBERS IN UNIFORMED MEDICAL ACCESSION PROGRAMS. (Section 2114 of title 10, United States Code

(a) Medical Students of USU

If a member of the uniformed services selected to be a student has prior active service in a pay grade and with years of service credited for pay that would entitle the member, if the member remained in the former grade, to a rate of basic pay in excess of the rate of basic pay for regular officers in the grade of second lieutenant or ensign, the member shall be paid basic pay based on the former grade and years of service credited for pay. The amount of such basic pay for the member shall be increased on January 1 of each year by the percentage by which basic pay is increased on average on that date for that year, and the member shall continue to receive basic pay based on the former grade and years of service until the date, whether occurring before or after graduation, on which the basic pay for the member in the member's actual

grade and years of service credited for pay exceeds the amount of basic pay to which the member is entitled based on the member's former grade and years of service.

(b) Participants in Health Professions Scholarship Program

If a member of the uniformed services selected to participate in the program as a medical student has prior active service in a pay grade and with years of service credited for pay that would entitle the member, if the member remained in the former grade, to a rate of basic pay in excess of the rate of basic pay for regular officers in the grade of second lieutenant or ensign, the member shall be paid basic pay based on the former grade and years of service credited for pay. The amount of such basic pay for the member shall be increased on January 1 of each year by the percentage by which basic pay is increased on average on that date for that year, and the member shall continue to receive basic pay based on the former grade and years of service until the date, whether occurring before or after the conclusion of such participation, on which the basic pay for the member in the member's actual grade and years of service credited for pay exceeds the amount of basic pay to which the member is entitled based on the member's former grade and years of service.

Service Obligation

Officers awarded the Doctor of Medicine degree following a 4-year program of medical studies at USU are required by law to serve on active duty for 7 years. Time spent in graduate medical education (i.e., internship or residency) does not count toward the payback. In addition, upon completion of the active-duty service obligation, students who serve on active duty for less than 10 years after graduation will have their names placed on the Individual Ready Reserve (IRR) roster. (Graduate medical education does not count toward the 10 years). While on the IRR roster, service members are on inactive reserve status, with no weekend or annual, active-duty drill required, but are subject to call-up by the President in times of emergency. The amount of time required is as follows:

- Active duty service less than 8 years, 6 years on the IRR roster.
- Active duty service of more than 8 years, but less than 9: 4 years on the IRR roster.
- Active duty service of 9 years or more, but less than 10: 2 years on the IRR roster.

*PHS graduates have a ten year active duty obligation.

Leave Policies

As officers on active duty, students are authorized 30 days of leave per year. Because of curriculum requirements, leave can be taken only during official school breaks, such as winter recess, spring break and summer leave periods.

This leave policy is modified for fourth-year students. Leave is approved and scheduled by the School of Medicine Commandant. Federal holidays and end-of-examination breaks are generally authorized periods of absence.

Benefits

As active duty officers, students are eligible for a wide range of benefits. They may use commissary (military supermarket) and post exchange (military department store) facilities where costs are considerably lower than their civilian counterparts. Certain legal services, such as advice on income tax matters and executing personal wills, are free.

Students are eligible for low-cost life insurance and are provided comprehensive medical and dental care at no charge. Medical care is provided through the military health program called TRICARE. TRICARE offers several health care plans that meet or exceed the requirements for coverage under the Affordable Care Act. Specifics of the plans are available at https://www.tricare.mil/Plans/Eligibility/ADSMandFamilies.

Dependents of students have the same entitlement as dependents of other active duty personnel. Like their military sponsors, they have commissary and post exchange privileges as well as the services of military legal officers. They are eligible to enroll in one of the TRICARE health care plans which may include care in military treatment facilities at no cost.

Dental care is not available for family members at the Walter Reed National Military Medical Center (WRNMMC); however, military members are encouraged to enroll their family members in the Tricare Active Duty Family Dental Plan. Specifics of the dental plan are available at https://www.tricare.mil/CoveredServices/Dental/TDP or through the WRNMMC Dental Clinic.

Charges for other types of family member health care vary depending on circumstances but are generally much lower than they would be under other medical programs. The University has its own campus health service, which is available to students and their families for medical care and counseling.

University Family Health Center (UFHC)

The University Family Health Center (UFHC) is dedicated to providing comprehensive personal and family-centered care to active duty students, faculty, their families, and other DoD beneficiaries assigned to the Uniformed Services University (USU). The UFHC is a TRICARE PRIME clinic. UFHC ranks number one in patient satisfaction among all small health clinics and is among the highest ranked medical student health clinics in America as demonstrated on the annual AAMC Graduate Questionnaire. All medical students are required to enroll with the UFHC as their primary care manager site. Active duty graduate students and all family members may enroll in Tricare Prime and be assigned a UFHC family physician as their primary care manager.

The UFHC is staffed and operated by the Department of Family Medicine with board-certified family physicians and is supported by a professional staff nurse, medical technicians, and administrative support staff. The medical experts at the clinic can manage the majority of your health care. If further expertise is required to diagnose or manage a condition, consultation with other specialists can be obtained at the Walter Reed National Military Medical Center (WRNMMC) or other health care facilities in the National Capital Region.

Top 10 Reasons to come to USU

By 2LT Paige White
Class of 2020

10. Immersion in the military lifestyle from the summer before medical school starts makes you more confident and comfortable in the environment by the time you graduate.

9. We have frisbee, volleyball, basketball, soccer, hockey, softball, running club - you will always have a way to relieve stress!

8. Unique curriculum – you'll finish an entire year of rotations before taking your first board exam, helping to increase board scores.

7. The leadership and professionalism you will learn at USU will set you ahead of your future peers, and make you an attractive physician for the civilian world when you retire.

6. You get to live in DC - there is any and every kind of restaurant, a never-ending supply of shopping, outdoor adventures for every season, and myriad museums!

5. You will be paid to do clinical rotations everywhere from Hawaii to Texas to Washington. Some get to work with the Navy SEALS for a month. What other school lets you do that?

4. An exciting military life – camaraderie, world traveling, amazing people to meet, a healthy & physically fit lifestyle, & an honorable and unbeatable calling.

3. Financially, USU cannot be beat – a free education and a $64K salary per year, with medical and dental insurance for you and your family!

2. The community at USU - everyone is fighting for your success and you will fight for your classmates' success. There is no competition here. We are all on the same force.

1. You will be a part of a mission that <1% of the American population steps up to serve. It's challenging, humbling, honorable, and exciting. Someone needs to do it, and it could be you!

By ENS Cole Denkensohn
Class of 2019

10. An immense variety of backgrounds and interests, as well as unifying purposes (military and medicine), makes for a strong community.

9. Expert professors are extremely good educators and invested in making you the best physician possible.

8. Module (system)-based learning allows for full exploration of a subject from the histology to the pathology to the anatomy, all at the same time.

7. We have many opportunities for research and volunteer work. If you have a passion or good idea, there will be faculty excited to support you in figuring out how to make it happen.

6. The simulation center provides actors for full H&Ps, staged newborn deliveries, operating rooms, and ACLS models that blink, breathe, and talk.

5. You won't pay tuition, and USU pays you! - You can focus entirely on your education - without any worry about expenses. -

4. Bethesda is beautiful, and DC is just a few metro stops away with the National Mall, and all of the associated museums. -

3. Traveling clerkship year allows for experience with different philosophies. Where else do you get to explore Hawaii, San Diego, and Washington state all in the same clerkship period?

2. You choose your own specialty - the military does not decide for you. -

1. You are the future of military medicine. As such, other physicians and educators have a special interest in training you to be the best physician possible because one day you may be treating their family members. At USUHS, you are not alone in your journey to become an excellent doctor.

USU School of Medicine

- *No Boot Camp!!*
- *Tuition Free*
- *Salary and Benefits of a Commissioned Officer (>$67K)*
- *Guaranteed Internship*
- *Service to Country*
- *Unlimited Career Potential*
- *7-year obligated service*
- *4-year M.D. degree*
- *Choose Air Force, Army, Navy, or Public Health Service*
- *Located in Bethesda, Maryland*
- *Moving Expenses*

Health Professions Scholarship Program (HPSP)

- *No Boot Camp!!*
- *Full Tuition at any fully accredited U.S medical school or osteopathic school*
- *Monthly stipend of over $2,300; plus 45 days of active duty per year*
- *Service to Country*
- *Unlimited Career Potential*
- *4-year obligated service*
- *Apply to Army, Navy, and or Air Force*
- *Choose and apply for military or civilian residencies (according to needs of the service)*
- *Critical Skills Accession Bonus of up to$20,000 (May vary with each service)*

USU *and* HPSP Comparison

	USU	HPSP
1. Application Process	AMCAS application, choose School Code 821 Choose branch of service if accepted to USU	Apply through service specific medical recruiting district.
2. Tuition	Tuition-free until graduation or disenrollment	Full tuition paid by HPSP to maximum of 4 years; no payment when not enrolled as a full-time student
3. Books/instruments	Free to students	School-required fees and expenses; rental fees for microscopes
4. Computers	Computer resources available at school library and Student Center; students may buy their own laptops	Computer resources available at school library and Student Center; students may buy their own laptops
5. Pay	Full O-1 pay with or without dependents + BAH and BAS. For 2020 is $5,841.78 per month without dependents, $5,922.78 per month with.	Over $2,300 stipend per month for 10½ months; 45 days active duty pay as an O-1 + BAH and BAS (partial if government housing provided). One-time critical skills accession bonus $20,000.
6. Service Obligation	7 years Active Duty after graduate medical education, remainder to 6 years served in the Individual Ready Reserve. Graduate Medical Education does not relieve obligation.	4 years Active Duty after graduate medical education, remainder to 8 years served in the Individual Ready Reserve. Graduate Medical Education does not relieve obligation. If participating in a 5, 6, or 7 year GME, service obligation is 5, 6, or 7 years.
7. Benefits	Active Duty benefits for self and dependents; low cost life insurance; free and convenient health care available on campus for self and dependents; commissary and base exchange privileges unlimited.	Active Duty benefits for self only when on 45 days of active duty; limited base exchange and commissary privileges when not on active duty (with I.D. card) and only if near a military base; not eligible for health benefits for self and family great majority of year.
8. GME deferments	Eligible for 1-year and full deferments.	Eligible for 1-year and full deferments.
9. Career Planning	Mentored throughout medical school for potential career in military medicine; opportunities for operational activities readily available	Mentored by civilian medical school; may have access to HPSP liaison or Professional School Liaison Officer (PSLO) at school; limited opportunities for operational activities due to time and space constraints.
10. Contacts	admissions@usuhs.edu (301)295-3101 (800)772-1743 www.usuhs.edu	Local recruiter – Army - www.goarmy.com/locate-a-recruiter.html Air Force - www.airforce.com/find-a-recruiter Navy - www.navy.com/locator.html

Class of 2022 Profile

The F. Edward Hébert School of Medicine matriculated its forty-third class with 3,288 applicants having competed for 171 positions. The applicant-to-position ratio was 19:1.

Two hundred and seventy-five conditional offers were tendered for the 2018 First-Year Class, providing an acceptance rate of 62 percent.

The incoming class is comprised of 75 women (44%) and 96 men (56%). Thirty-seven percent of the applicant pool was female. The average age of the entrants at the time of application was 24.2 years.

Fifty-six members of the entering class are from minority groups, including 31 from the groups classified as underrepresented in U.S. medicine. The class includes 15 Blacks, 25 Asians, 1 Puerto Rican, 10 Mexican Americans, 4 Native Americans and 1 Hawaiian/Pacific Islander. Sixteen of the incoming students are reapplicants to the School of Medicine.

Geographically, the student representation is as follows: the North is the legal residence of 23 percent of the class; 34 percent are from southern states; 16 percent are from central states; and 27 percent are from the West.

Academically, the acceptees presented the following scores: at the time of application, their college cumulative grade point average (GPA) was 3.64 and their science GPA was 3.59. The mean score of the acceptees on the Medical College Admission Test (MCAT) was 509, compared to applicants' average score of 505.

All of the students have received baccalaureate degrees. Fourteen hold master's degrees, one has been awarded a Juris Doctorate, one a Doctor of Pharmacy and one a Doctor of Physical Therapy. Biology was the most-represented undergraduate major of matriculants (29 percent), followed by chemistry at 8 percent and biochemistry at 5 percent. Other majors for the members of the Class of 2022 were: biomedical engineering, computer science, neuroscience, mathematics, exercise science, history, nursing, physiology, and public health.

First Generation College: 34 (20%) students come from parents who did not complete a four year college degree.

One hundred two students (60%) have had no previous military experience. The remaining sixty-nine students (40%) have been associated with the military in the following capacities: 2 were active duty officers; 5 had prior active duty as officers; 13 were active duty enlisted; 8 had prior active duty as enlisted personnel; 21 were 2018 service academy graduates; 13 were direct graduates of ROTC programs and 7 Reserve Components.

The F. Edward Hébert School of Medicine matriculated its forty-fourth class with 3,096 applicants having competed for 171 positions. The applicant-to-position ratio was 18:1.

Two hundred and seventy-four conditional offers were tendered for the 2019 First-Year Class, providing an acceptance rate of 62 percent.

The incoming class is comprised of 85 women (50%) and 86 men (50%). Forty-two percent of the applicant pool was female. The average age of the entrants at the time of application was 24.6 years.

Fifty-two members of the entering class are from minority groups, including 23 from the groups classified as underrepresented in U.S. medicine. The class includes 9 Blacks, 25 Asians, 2 Puerto Ricans, 10 Mexican Americans, 2 Native Americans, and 4 Other Hispanics.

Twenty of the incoming students are reapplicants to the School of Medicine.

Geographically, the student representation is as follows: the North is the legal residence of 24 percent of the class; 36 percent are from southern states; 14 percent are from central states; and 26 percent are from the West.

Academically, the acceptees presented the following scores: at the time of application, their college cumulative grade point average (GPA) was 3.65 and their science GPA was 3.61. The mean score of the acceptees on the Medical College Admission Test (MCAT) was 509, compared to applicants' average score of 506.

All of the students have received baccalaureate degrees. Sixteen hold master's degrees, one has been awarded a Doctor of Philosophy in Molecular and Cell Biology from USU, one a Doctor of Pharmacy and one a Doctor of Audiology. Biology was the most-represented undergraduate major of matriculants (32 percent). Other majors for the members of the Class of 2023 were: biomedical engineering, chemistry, computer science, neuroscience, exercise science, physiology, psychology and biochemistry.

First Generation College: 26 (15%) students come from parents who did not complete a four year college degree.

Ninety-four students (55%) have had no previous military experience. The remaining seventy-seven students (45%) have been associated with the military in the following capacities: 8 were active duty officers; 5 had prior active duty as officers; 17 were active duty enlisted; 12 had prior active duty as enlisted personnel; 17 were 2019 service academy graduates; 11 were direct graduates of ROTC programs and 7 Reserve Components.

Student Groups

Numerous activities, organizations and special interest groups are available at the university to address a wide range of diverse interests. Students are also encouraged to participate in the health-based volunteer opportunities in the community. These groups include:

Academic & Professional Groups

Alpha Omega Alpha (AOA)
American Medical Association - Medical Student Section (AMA-MSS)
Association of American Medical Colleges–Organization of Student Rep. The Society of Federal Health Professionals, AMSUS.
Gold Humanism Honor Society (GHHS)

Student Government

Class Governance
Student Advisory Council (SAC)

Service & Social Groups

Active Learning Interest Group
Apollo Society
Asian Pacific American Student Association
Catholic Medical Student Association (CMSA)
Christian Medical Association (CMA)
Dermatones
Humanitarian Assistance/Disaster Response Interest Group (HA/DR) Latter-Day Saint Student Association (LDSSA)
Lesbian, Gay, Bisexual, Transgender People in Medicine & Allies
One Nation: The Indigenous Health Medical Student Interest Group Student Spouses' Club (SSC)
Tutoring Group

Specialty Interest Groups

Anesthesiology Interest Group (AIG)
Community Health Center Interest Group (CHCIG)
Dermatology Interest Group (DER)
Ears, Nose, and Throat Surgical Interest Group (ENTIG)
Emergency Medicine Interest Group (EMIG)
Family Medicine Interest Group (FMIG)
Genomic/Personalized Medicine Interest Group (GPMIG)

Global Health Interest Group (GHIG)
Group on women in medicine and science
Infectious Diseases Interest Group (IDIG)
Integrative Medicine Interest Group (IGMIG)
Internal Medicine Interest Group (IMIG)
Neurology Interest Group (NEURO)
Nutrition Interest Group
OB/GYN Interest Group (OBGYN)
Operational Medicine Interest Group (OMIG)
Ophthalmology Interest Group (OPIG)
Orthopedic Interest Group (OIG)
Pathology Interest Group (PIG)
Pediatric Interest Group (PEDIG)
Physical Medicine & Rehabilitation (PM&R)
Preventive Medicine Interest Group (PMIG)
Psychiatry Interest Group
Radiology Interest Group (RIG)
Sports Medicine Interest Group
Students Interested in Nutrition Group (STING)
Surgery Interest Group (SIG)

Club Sports
USU Bike Club
Dancing Docs Society
Healers Motorcycle Club at USUHS
Ice Hockey (Fighting Docs)
Running Club
Combative Jiu Jitsu
Rugby
Friday Footies
Flag Football

The university offers a great variety of interest groups, many affiliated with national sponsoring organizations, which provide opportunities for learning about careers and fostering interest in specific medical specialties by having students spend time with physicians in an office or hospital environment. Students often become involved in medically related service projects. Current interest groups include the Aerospace Medical Student Organization, Club Med Internal Medicine Interest Group, Emergency Medicine Student Association, The Cutting Edge-Surgical Interest Group, Family Medicine Interest Group, Student Pediatric Society, and Undersea Medicine Interest Group.

1. What are the physical requirements?
Answer: The four services have different physical readiness requirements on which you will be tested twice yearly, and the minimum effort is age dependent. You will have to conform to the weight standard for each service, and will have to do a minimum number of sit-ups and push-ups. You will also have to run a 1.5-2 mile course in a specified time.

2. Will I be pulled out of medical school to go to war?
Answer: No. As a medical student, you do not have the skills needed to support combat operations used in a war. The services need you to complete medical school and get a license to practice medicine so that you can serve as a licensed physician. If you are selected to continue in your residency, you will also not be pulled out to go to war because we need your services as a specialist, not as a general medical officer. If you are not selected to continue in your residency, you will receive supplemental training ranging from two weeks to six months to prepare you for your role in the operational setting.

3. What are the requirements for USU?
Answer: You must be a U.S. citizen and have no felony convictions. Professionally, an MCAT >496, and a GPA >3.0
(while in undergraduate studies, or while in a post baccalaureate institution or graduate studies) are the minimum standard for USU. The mean MCAT for matriculants is between 508 and 509 and the mean GPA is >3.6.

4. Do you have to have military experience to be accepted at USU?Answer: No. Approximately 30-40% of our students have some form of prior military experience as an officer or enlisted person. The majority of the students listed as having prior military service actually are students who have just graduated from the three service academies or ROTC units.

5. How good are the military residencies?
Answer: All military residencies (Army/Navy/Air Force) are reviewed by the same national accrediting body that surveys the civilian training programs. Military residencies are very competitive with university-based residencies, and military residency graduates have among the highest first time pass rates on specialty board certification exams.

6. How does military pay compare to civilian pay?
Answer: Military pay is a matter of public record. If you are interested in pay tables, you can find them on www.dfas.mil or militarypay.defense.gov. Doctors in the military start out with much higher pay as interns and residents than their civilian counterparts. Students enrolled at USU do not pay any tuition and are paid as officers with full officer benefits as well. During internship and residency and all of the payback time, a military doctor accumulates time in service toward retirement,in addition to time in grade for promotion and pay increases. After specialization, doctors are paid special bonuses based on the relative discrepancy between civilian and military pay and the needs of the service. Fully trained doctors who have completed their payback time usually make about $200K-$300K, have full medical and dental benefits, 30 days paid vacation per year, and pay no malpractice insurance.

7. Does the School of Medicine value diversity?
Answer: Yes. The Nation's Armed Forces and Public Health Beneficiaries represent all demographics of America, and their physicians need to embody that same diversity of socioeconomic, racial, ethnic, and cultural backgrounds. The School of Medicine does not discriminate on the basis of race, gender, sexual preference, color, creed, religion, national origin, marital status or state of residence. The Admissions Committee takes all aspects of a potential student's educational journey into account when making admissions decisions--a diverse student body holds tremendous educational value for all future military and public health medical officers.

The Physician Scientist Training Program
(M.D./Ph.D. Program)

The M.D./Ph.D. Program combines a rigorous science graduate curriculum with outstanding clinical training, and special integrated M.D./Ph.D. activities that qualify students for careers in academic medicine, biomedical and clinical research, as well as clinical practice. This Program requires the student to dedicate 7-8 years to complete a challenging combination of training. Matriculants to the M.D./Ph.D. Program must maintain all requirements necessary to be commissioned into the United States military throughout the Ph.D. portion of his/her training.

Financial Support and Military Service

Students admitted to the M.D./Ph.D. Program will receive a graduate stipend for the first three years. In most cases, students are commissioned as military officers (grade O-1), at the end of the third year in the program. Commissioning will mark the beginning of the student's military service.

Application and Admission Procedures

Applicants apply through AMCAS as well as submitting a USU Ph.D. Program application. The M.D. Admissions Office will review the AMCAS application in consideration for an interview invitation. The Admissions Committee of the appropriate Graduate Program will review the graduate application for consideration for the Ph.D. Program. These reviews are done independently by both Committees.

The Curriculum

The curriculum combines and integrates the requirements for both the M.D. and the Ph.D. degrees. It consists of three phases to be completed in seven to eight years. The first phase will generally be 18 months (Pre-clerkship). After taking NBLE Step 1, the student will enter the Ph.D. training period. The first three years will be completed as a civilian, under the guidance of the Graduate Program Associate Dean, thesis advisor, and M.D./Ph.D. Advisory Committee. Advanced Ph.D. courses and the qualifying examination for advancement to candidacy will be taken usually during the summer after 3rd year and a doctoral thesis proposal subsequently submitted to the thesis advisory committee. In addition, s/he will be commissioned and will attend Officer Basic Training. As a uniformed officer, the student will complete the remaining requirements of the Medical School curriculum and will also continue to spend significant time on thesis research, submit and then defend his/her doctoral dissertation. S/he will be awarded the Ph.D. after his/her private and oral defenses. The final phase of the Program begins with the Clerkships. The student will return to full participation in the Medical School curriculum. After satisfactory completion of all requirements, the student will be awarded the M.D. degree.

Contacts:
Office of Medical School Admissions
1-800-772-1743 or admissions@usuhs.edu

Office of Graduate Education
1-800-772-1747 or graduateprogram@usuhs.edu

Are you planning to obtain an advanced degree in biomedical science or public health? The intellectual stimulation, a desire to expand your skills and knowledge, and the potential for career advancement, may make this option attractive for you. The Uniformed Services University of the Health Sciences (USU), School of Medicine Graduate Programs may be just the place for you to receive a challenging course of study leading to a doctoral or master's degree in an environment of service and interest in contributing to the health and research needs of the nation. The available degree programs are:

- Interdisciplinary Ph.D. Programs
  - Emerging Infectious Diseases
  - Molecular and Cell Biology
  - Neuroscience
- Departmentally-based Ph.D. Programs
  - Medical and Clinical Psychology
  - Environmental Health Sciences *
  - Medical Zoology *
- Master of Science Programs*
  - Public Health
  - Molecular and Cell Biology
- Master of Public Health (M.P.H.)
- Master of Tropical Medicine and Hygiene (MTM&H)
- Master of Healthcare Administration and Policy (MHAP)
- Masters/PhD in Health Professions Education

The SOM USU Graduate Programs are offered to both civilian & military students and are an essential and critical element of the academic environment at the University. The USU campus is located in Bethesda, Maryland, (a suburb of Washington, DC), on the grounds of the Walter Reed National Military Medical Center.

Large numbers of both basic science and clinical science faculty members are involved in the didactic and research training of USU graduate students. An excellent faculty to student ratio is provided by more than 150 biomedical science faculty who teach graduate students courses and mentor students during-

*For active duty military only

their research and thesis preparation. Graduate training programs are conducted in state-of-the-art research facilities on the USU campus. Students can enhance their educational experiences at USU through collaboration with the National Institutes of Health, Walter Reed Army Institute of Research, Naval Medical Research Center, United States Army Medical Research Institute of Infection Disease and numerous biotechnology companies in the area.

The over 200 students currently enrolled in the doctoral and master's programs at USU come from all parts of the country and from all types of undergraduate academic institutions. Two-thirds of the graduate students are pursuing doctoral degrees (Ph.D. or Dr.P.H.) and one-third are master's degree candidates. The University offers stipends on a competitive basis to civilian doctoral students who are U.S. citizens or legal immigrants. First year students receive approximately $35,800. Outstanding applicants may be nominated for the Dean's Special Fellowship that supports a standard stipend with an additional $5,000. Civilian students do not incur a service obligation to the United States government after the completion of their graduate training program. Active-duty military personnel accepted to study full-time must have the consent and sponsorship of their parent service.

Applicants must have completed a bachelor's degree from a U.S., Canada, or Puerto Rico accredited academic institution prior to enrollment. Information and application can be found at: www.usuhs.edu (click on "Graduate Education")

Completed application should be received before December 1 for matriculation in late August the following year. There is no application fee.

Specific Programs and Research Areas:

Emerging Infectious Diseases Program

This interdisciplinary program has three academic tracks within the field of emerging infectious diseases: microbiology and immunology, pathology, or preventive medicine/parasitology, with primary interest in the pathogenesis, host response, pathology and epidemiology of infectious diseases. Research training emphasizes modern methods in molecular biology, cell biology and interdisciplinary approaches. www.usuhs.edu/eid.

Molecular and Cell Biology Program

This interdisciplinary Ph.D. program offers training to address many of the fundamental questions of modern biology ranging from protein-nucleic acid interactions to cytokines, growth factors, and developmental biology. Prospective students should have a background in biological or chemical sciences. Study for the M.S. degree is available to uniformed officers. www.usuhs.edu/mcb.

Neuroscience Program

This is an interdisciplinary Ph.D. program for students with strong training in the biological, behavioral, and/or physical sciences. Research includes development, regeneration, and plasticity in the nervous system, molecular neurobiology, and adaptive responses of the nervous system to stress, injury, and a changing environment. Integrated instruction in the development, structure, function and pathology of the nervous system and its interaction with the environment is provided. www.usuhs.edu/nes.

Department of Medical and Clinical Psychology

Doctoral programs and research in medical psychology emphasize the application of psychology to behavioral medicine and to clinical psychology. Study in applied areas on the interface of health, psychology, and behavior, and in basic areas of psychology is offered. An American Psychological Association-accredited clinical psychology Ph.D. program is offered to selected members of the Uniformed Services. www.usuhs.edu/mps.

Health Professions Education

The HPE programs are meant to provide a spectrum of opportunities for health professionals (such as physicians, nurses, and dentists) or those that are committed to working with health professionals as a career (e.g. executive administrators) in the Military Health System (MHS). The HPE programs meet an identified need to produce DoD health professionals with expertise in health professions education, who can lead programs across the continuum. Thus, the overarching goal of the HPE programs is to educate practitioners who will serve as academic leaders and will contribute to the continuous advancement of health professions education and research. Graduates of these graduate programs are uniquely situated to take major leadership roles within the MHS. The HPE programs have several offerings spanning from a Foundations in Health Professions Education certificate to a PhD in HPE degree. www.usuhs.edu/hpe.

Department of Preventive Medicine and Biostatistics

The Master of Public Health (MPH), Master of Tropical Medicine and Hygiene (MTM&H), and the Master of Science in Public Health (MSPH) programs are designed for students with at least 3 years of experience in a health-related field. Two Ph.D. programs are offered: Medical Zoology, for students with a master's degree in entomology or parasitology who wish to pursue further study in field-oriented medical parasitology or vector biology; and Environmental Health Sciences, which includes environmental health science research particularly in the area of military-relevant exposure assessment. visit www.usuhs.edu/pmb.

Masters of Healthcare Administration and Policy (MHAP) Program

The MHAP Program is a 2-year program designed to develop health systems leaders with sophisticated interagency policy expertise. The primary focus of the degree is the merging of critical thinking and knowledge while exposing students to the global, political, and institutional factors that influence the need, demand, and cost of health services. The faculty and staff provide an innovative curriculum that offers access to top policy-making federal government agencies, of both a didactic and residency phase. The first year is composed of five academic quarters focused on an in-depth approach to the study of healthcare policy, applied science, and leadership. The second year of the program consists of an administrative residency in the NCA which will provide practical experience in healthcare administration, policy and leadership.
www.usuhs.edu/pmb/hsa-grad-edu.

For more information contact:

Graduate Education Office
(301) 295-3913, 301-295-9474

Email: graduateprogram@usuhs.edu
Web: www.usuhs.edu (click on "Graduate Education")

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Medical Students Visit Antietam National Battlefield

Medical Students Recite Hippocratic Oath at their White Coat Ceremony

USU

Uniformed
Services
University

4301 Jones Bridge Road
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Richard W. Thomas, M.D., D.D.S.,
Major General, US Army (Ret)
President, USU

Arthur L. Kellermann, M.D., M.P.H.
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