

1. The **United States Air Force School of Aerospace Medicine (USAFSAM)** is known internationally as a premier center for aerospace education, training, consultation, and aircrew health assessment. The school provides peacetime and contingency support in areas of aeromedical evacuation, hyperbaric, human performance enhancement/sustainment, combat casualty training, dental investigations, and environmental quality.

2. The cornerstone of the school is the aerospace medicine education programs and their supporting research and clinical practice faculty. Approximately 6,000 students are trained annually. International students have come from 86 countries, 34 of whom have gone on to become the USAF SG equivalent. A total of 68 courses (10 entry level and 58 intermediate and/or advanced) are offered to International officer and enlisted students.

3. Training is offered for all basic-level Aerospace Specialties. International aeromedical specialists can receive basic and specialized/advanced training in multiple areas of study, including that for flight surgeons, flight nurses, aerospace physiologists, bioenvironmental engineers, public health officers, and enlisted professionals. This includes courses such as the Critical Care Aeromedical Transport Team (CCATT) training, the Expeditionary Medical Support (EMEDS) Course, Aircraft Mishap Investigation and Prevention (AMIP) Course, Global Medicine Course, and Hyperbaric Medicine courses. You can view the complete Course Catalog by logging on to the USAFSAM website - <http://wwwsam.brooks.af.mil/>

4. The three most frequently attended courses by the international community have traditionally been Aerospace Physiology, basic Flight Surgeon course (Aerospace Medicine Primary (AMP) and the Advanced Aerospace Medicine for International Medical Officers (AAMIMO).

4.1. Aerospace Physiologist (Non-USAF), MASL D175066: Provides the knowledge to perform basic duties as an aerospace physiologist officer. Includes; principles and application of aviation physiology, science of the earth's atmosphere, introduction to human factors, and aircraft accident investigation techniques. Instruction in the use of the ejection seat trainer, night vision trainer, barony chair and applicable aircrew life support equipment is necessary to expose physiologists to the flying stresses experienced by aircrews. Familiarizes students with operation and maintenance of low-pressure chambers and associated equipment used in career field. Students undergo low-pressure chamber, ejection seat, centrifuge, and advanced spatial disorientation demonstrator training. Students will also perform duties at each crew position on the low-pressure chamber. There are also enlisted level training courses called Aerospace Physiology Apprentice, MASL D175003 and Aerospace Physiology Craftsman MASL D175007: The Apprentice course provides knowledge and basic skills to perform entry-level duties as an enlisted Aerospace Physiology Apprentice. Training includes basic facts and terms about aerospace physiology, physiology fundamentals, operation of hypobaric chambers and supporting equipment, other physiological training devices, personal life support equipment, administrative procedures of physiological training, aircraft emergency escape, cabin pressurization, and briefings on specialized aspects of MAJCOM aerospace physiology programs. The Craftsman course builds on the material taught in the Apprentice course and may be more suited for senior ranking or experience enlisted personnel. The Craftsman course is 10 days long.

4.2. Aerospace Medicine Primary, (Non-DoD) MASL D175002: Eight weeks in duration. Trains medical officers to perform duties as flight surgeons and to accomplish the objectives of the USAF Aerospace Medicine Program. Provides the student with the knowledge and skills required for the treatment and proper administrative disposition of aircrew members and for assuming the responsibilities of a general preventive medical member of the bioenvironmental engineering, occupational medicine, and military public health teams. Includes review of the clinical medical topics important in aerospace medicine; i.e., otolaryngology, audiology, ophthalmology, internal medicine, neurology, psychiatry, etc., with emphasis on particular applications of these specialty areas in aerospace medicine; instruction and experience in the physiology of altitude and acceleration; employment of survival/life support principles and

equipment; instruction in aircraft accident investigation; the administrative requirements of aeromedical services and in the application of physical standards to the patient population for which the flight surgeon is responsible. Orientation to flying in a current inventory trainer aircraft and training in the human centrifuge are also provided when equipment is available.

4.3. Advanced Aerospace Medicine for International Medical Officers (AAMIMO), MASL D175062: 23 weeks duration. Designed for international flight medical officers/flight surgeons who have completed the Aerospace Medicine Primary Course or a USAFSAM approved equivalent domestic course in aerospace medicine and have served at least 2 years as operational flight surgeons at base or squadron level. Not intended for those who have already completed advanced training or residency training in aerospace medicine in their respective home country and are working as specialists in the field. The course emphasizes military aerospace medicine. It also provides exposure to a wide range of aerospace medical topics, including civil aviation medicine and space medicine. It enables students to address clinical aerospace, hyperbaric, and global preventive medicine problems; to evaluate and control or resolve operational aerospace medical problems; to perform the aeromedical/human factors aspects of aircraft mishap investigations and prevention, and to assume higher levels of responsibility in their aerospace medicine careers. Formal training in Hyperbaric Medicine, as well as Occupational Medicine, will also be completed. Open "Elective" learning opportunities will be available to each student to pursue and present scientific projects pertinent to his or her Air Force. Oral presentations will be given by each student, on his or her Aerospace Medicine system and a clinical aeromedical case presentation. The USAFSAM Department of International and Expeditionary Education and Training (IE) at Brooks AFB will approve admission of all applicants based on their academic and physical qualifications and following recommendation of their respective government or air force. The course is offered once a year and begins the first week in Jan.

5. Based on the above information, the USAF School of Aerospace Medicine has several questions it would like to ask of your Senior Military Medical Leadership:

5.1. Do you think your organization could benefit from sending your officers to USAFSAM?

5.2. If so, what courses would you be interested in having them attend?

5.3. If you are interested in the AAMIMO course, would a starting date later than the 1st week in January, such as the 1st or 2nd week in February, be better for you?

5.4. The AAMIMO course is currently 23 weeks long - would extending the course another 2 weeks in order to allow for additional elective training opportunities be desirable to your academic objectives?

6. PLEASE send any questions you may have about the above information, as well as your replies to the questions, to Col B. Hadley Reed using one of the following methods:

6.1. *Email response: hadley.reed@brooks.af.mil and jon.seaton@brooks.af.mil

*Note: If you cannot reach the above email accounts please attempt again by sending to Col Reed's personal e-mail address: the_iguana@bigfoot.com

6.2. Fax response: 011/210-536-2706

6.3. Mail: COLONEL REED

USAFSAM/IEO

BROOKS CITY-BASE TX 78235-5130

6.4. If none of the above will work contact the Security Assistance Officer in the American Embassy in your country.

7. We look forward to hearing from you and hope to make the International Aerospace Medicine training at the USAF School of Aerospace Medicine the best this country has to offer you.