

AEROSPACE MEDICINE PRIMARY 202 (AMP 202)

USAF School of Aerospace Medicine

Course Description:

The AMP 202 course is the fourth course in the four course series known as the Aerospace & Operational Medicine (AOM) Program comprising the initial qualification training for USAF flight surgeons. This course is the capstone experience putting all components of the aerospace and operational medicine program into full view. The course begins with the centrifuge training at the world-class USAFSAM Centrifuge training facility. Students learn the physiology of the high-G environment and experiencing the force of high performance aircraft. The course then transitions to the local airfield to experience the hands-on Aeromedical Aviation Laboratory (AAL). For 9 days the students are immersed in the learning experience the aviation environment intent on building a foundation for good aeromedical decision making skills. Starting with basic aviation principles and flight line safety the students progress to flight simulators and are assigned to work one on one with pilot instructors. Each flight surgeon candidate and aeromedical provider experiences multiple flights in different airframes designed around flight plans intended to demonstrate and reinforce aeromedically relevant situations. Students perform 4G aerobatic maneuvers to feel and understand the impact of acceleration forces. Helicopter flights teach value of coordinated maneuvers in three-dimensional space while feeling the impacts of vibration. Formation flying over long duration shows the importance of fatigue and concentration and their impact on eye sight and acuity. Each flight experience begins with a group preflight briefing followed by a preflight with the individual pilot instructor. The flight is then followed by a one on one debrief by the pilot instructor. The day concludes with a small group discussion led by a senior flight surgeon reviewing cases relevant to the learning objective of the day. Discussions and cases focus on risk management and the application of medical decision making to the newly acquired understanding of the environment. It is this hands-on-experience and seat-of-the-pants exposure that solidify the fundamentals of aeromedical decision making and sets the flight surgeon apart. As medical decisions affect the safety of aviation, the careers of aviators, and impact the readiness of the our Air Force it is the experience that graduates of The United States Air Force School of Medicine Aerospace Medicine Primary Course bring to the fight that can make a difference!

Target Audience:

PHYSICIANS: USAF active duty, Air National Guard (ANG) and Air Force Reserve Command (AFRC) physicians, other DoD physicians (Medical or Osteopathic), and international military physicians from countries approved by Air Force Security Assistance Training Squadron (AFSAT).

PHYSICIAN ASSISTANTS/NURSE PRACTITIONERS: PAs/NPs selected to work full time in flight medicine billets and serve as aeromedical practitioners are expected to attend.

MEDICAL STUDENTS: USUHS and HPSP students who elect not to attend a full residency upon graduation may attend training during their MS4 year (typically in the spring) or during their internship as scheduling permits.

Prerequisites:

- ✓ AFOM 101 (completed)
- ✓ AFOM 102 (completed)
- ✓ AMP 201 (preferred completion prior but not required)

Applicants must have successfully completed AFOM 101 and AFOM 102 to attend AMP 201 or AMP 202. AMP 201 attendance requires not only the prerequisites of AFOM 101 and 102 but is reserved for those applicants selected by the aerospace medicine consultant to serve as flight surgeons and aeromedical practitioners.

Completion of AMP 201 before attending AMP 202 is the recommended pathway but not required (due to class size restrictions). It is preferred to follow the four-course series in sequential order but due to classroom constraints there is the occasional need for a student to complete AMP 202 prior to AMP 201. Although not ideal, this can be accomplished when otherwise unavoidable (usually during the summer rush).

Objective:

Graduates of AMP 201 will have gained the following core competencies:

- ✓ Centrifuge Training & Certification
- ✓ USAF Flight Surgeon Qualification Exam Certification
- ✓ Advanced aeromedical decision making
- ✓ Flightline Safety Standards
- ✓ Ground school training
- ✓ Aeronautical core principles
- ✓ Flight simulator experience

Upon completion of the AOM Program (all four courses), physicians and providers who meet all additional requirements IAW AFI 11-402 will be eligible to be awarded the appropriate aeromedical AFSC. USAF physician graduates of the AOM Program will be eligible to enter the Mission Qualification training phase (i.e. upgrade to 48X3) for flight surgeons.

AMP 301 – ATLS (2.5 days)

Upon graduation of the AMP 201/202 courses, there will be offered an ATLS 3 day course. All flight surgeons who are not ATLS certified or who were certified greater than 2 yrs previous to AMP 201/202 graduation are strongly encouraged to enroll in the course. In most cases, the ATLS course is offered immediately after the AMP 201/202 block of instruction. In rare cases, it is offered after the AMIP course. The seats are very limited so registration requires directly contacting the Aerospace Medicine Education Branch for approval to attend. If you are required or recommended please contact the Branch Administrative Coordinator or the ATLS Course Administrator. In the subject line place the following statement: ATLS ENROLLMENT REQUEST.

Aerospace Medicine Ed Branch: usafsam.amp@us.af.mil

General AMP 201 Applicant Information/Requirements:

(1) USAF PHYSICIANS: (AD/RES/GUARD):

- ✓ Must have been selected to fill a 48X billet
- ✓ Must be approved to attend by the aeromedical consultant.
- ✓ Must complete AFOM 101 and AFOM 102 prior to attendance.
- ✓ Must possess a *DD 2992 Medical Recommendation for Flying* dated to expire later than the completion of the AMP training graduation date (as permitted by AFI 48-123 part 6.24.5.2.5).
- ✓ Must be able to meet current USAF Flying Class II medical standards.
- ✓ Must have completed Commissioned Officer School (COT) School, AF Reserve COT, ROTC, AF Academy or USUHS prior to attending the AFOM 101/102, AMP 201/202 series.
- ✓ To be granted aeronautical wings and receive aeronautical orders physicians must provide (1) evidence of an unrestricted medical license, (2) complete Flying Class II physical, and (3) provide all AMP graduation certificates.

(2) DoD and other FEDERAL PHYSICIANS:

- ✓ Must be approved to attend by the aeromedical consultant.
- ✓ Must complete AFOM 101 and AFOM 102 prior to attendance.
- ✓ Must possess a *DD 2992 Medical Recommendation for Flying* dated to expire later than the completion of the AMP training graduation date (as permitted by AFI 48-123 part 6.24.5.2.5)
- ✓ Must be able to meet current USAF Flying Class II medical standards.

(3) INTERNATIONAL PHYSICIANS:

- ✓ Must complete AFOM 101 and AFOM 102 prior to attendance
- ✓ Must possess an English Comprehension Level (ECL) of 80 or higher
- ✓ Submit DD Forms 2807-1 and 2808 (translated into English) that support the member meeting USAF Flying Class II (flight Surgeon) standards.

(4) USAF PHYSICIAN ASSISTANTS/NURSE PRACTITIONERS:

- ✓ Must have been selected to fill a flight medicine provider billet
- ✓ Must be approved to attend by the aeromedical consultant.
- ✓ Must possess a *DD 2992 Medical Recommendation for Flying* dated to expire later than the completion of the AMP training graduation date (as permitted by AFI 48-123 part 6.24.5.2.5).
- ✓ Must have completed Commissioned Officer School (COT) School, AF Reserve COT, ROTC, AF Academy or USUHS prior to attending the AFOM 101/102, AMP 201/202 series.

(5) MEDICAL STUDENTS:

- ✓ Must have completed at least three years of medical school
- ✓ Must have been selected for a flight medicine billet upon completion of pending internship
- ✓ Must be approved by the aerospace medicine consultant
- ✓ Must possess a *DD 2992 Medical Recommendation for Flying* dated to expire later than the completion of the AMP training graduation date (as permitted by AFI 48-123 part 6.24.5.2.5).
- ✓ Must have completed Commissioned Officer School (COT) School, AF Reserve COT, ROTC, AF Academy or USUHS prior to attending the AFOM 101/102, AMP 201/202 series.

Course Credits:

Refer to CME for USAFSAM Aerospace Medicine CME Suite of Courses for current Continuing Medical Education (CME) Brochure and Registration Instructions.