



HEADQUARTERS IOWA WING
CIVIL AIR PATROL
UNITED STATES AIR FORCE AUXILIARY
PO Box 65191
West Des Moines IA 50265



15 August 2015

MEMORANDUM FOR RECORD

FROM: IAWG/HS

SUBJECT: Biomedical Sciences Academy (Cadets)

1. Cadets, are you interested in a career in healthcare or biomedical science? Are you interested in joining the military? Are you not sure if the biomedical sciences career field is right for you? We are introducing a new activity that will explore specific aspects of the biomedical and medical career field for aerospace-minded youth.
2. **Intent:** The objective of this program is to orient CAP Cadets that are considering a biomedical sciences and/or healthcare career to the opportunities and pathways in obtaining such goals. The end state of this Academy is that participating Cadets will have gained insight to scientific and healthcare careers associated with the Air Force and the civilian worlds.
3. **Concept of the Operation:** To accomplish the objective, the Academy will present topics through a variety of methods, including formal lectures, discussions, and interactive lessons. **Classes are designed in such a way that requires Cadets to demonstrate critical thinking.** The lecture-based learning will assist Cadets in understanding basic medical and biomedical science career fields, concepts, topics, and issues and will include lessons in military medicine, bioethics, biosafety, and relevant biomedical areas (i.e. microbiology, hematology, toxicology, etc). Further, the course includes problem-based learning (PBLs) sessions that are organized in small group forums. The interactive-based learning will provide an opportunity for Cadets to visit biomedical and healthcare facilities and interact with healthcare professionals in a variety of fields. These include local area academic centers, government research, clinical, and forensic laboratories, and military facilities. **NOTE:** This course will not have patient or biohazardous contact; nor will this course qualify or certify any Cadets.
4. **Training/Environment:**
 - a. Unlike encampments, certain NCSAs, and other CAP activities, this activity will not include a strict and regimented training environment. Due to the age restrictions of this activity, every Cadet is expected to act professionally and appropriately.
 - b. Training classes will generally start at 0800 and end by 1700, which Cadets should expect to be in uniform during this time. From 1700 to 2200, Cadets are allowed personal time.

- c. Cadets will be housed in Camp Dodge barracks. While having individual living quarters would be ideal, Camp Dodge's individual living quarters become difficult to secure in large quantities.
5. **Requirements:** Cadets are required to be at least 15 years of age by the start since this activity focuses on career orientation. Furthermore, this course may present information that requires a more mature audience. Older Cadets will have a higher preference, but this is not the only criterion. Cadets must have earned the Wright Brothers Award (C/SSgt) and preferably have attended an encampment. As this activity is geared towards healthcare and biomedical science, a strong interest in science (particularly biology) is preferred, but not required. It is strongly recommended, but not required, that students have taken high school biology, as it will assume there is a basic understanding of biology.
 6. **Uniform:** For the majority of training, Cadets will wear the USAF-style short-sleeve service uniform with flight cap (Aviator uniform is required for Cadets 18 years and older that do not meet the CAP weight standards [CAPM 39-1, 1.2.3.2]). No other uniforms will be allowed. The service coat will not be worn during this activity. No civilian coats may be worn while wearing a uniform. Only the USAF All-Weather Coat may be worn while wearing the USAF-style service uniform. These jackets can be purchased for as little as \$20 on Ebay or at surplus stores. Please note that the All-Weather Coat is designed to be worn during the winter while the Lightweight Blue Jacket is for spring/fall time. CAPM 39-1 allows Cadets to wear combat boots with the service dress uniform provided they are not bloused and have no design (CAPM 39-1, 6.4.1.4).
 7. **Key Principles for All Cadets:** The Biomedical Sciences Academy is an academic course; therefore Cadets must be prepared for all lessons and activities. This includes coming to class on time; possessing the right uniform, equipment, and supplies; completing the assigned readings; participating actively in class discussions and activities.
 8. **Travel Arrangements:** The location for the Biomedical Sciences Academy is Camp Dodge, Johnston, Iowa. It is located approximately 10 miles north of Des Moines, Iowa. If traveling by commercial airline, the nearest airport is Des Moines International Airport (DSM), which is approximately 25 miles from Camp Dodge. Email us your arrival times and we can schedule transportation from the airport. If you are arriving via POV or CAP Corporate Vehicle, then please plan on arriving at the post between 0900 and 1700. Keys will be surrendered upon signing-in at the activity. Cadets are not permitted to operate a POV during this activity. You will need your CAP Membership Card (Current) and a current Government Issued Photo ID (i.e. driver's license or school photo ID) in order to pass through Post Security. Attendees will report to the Check-In location at Building 55A.
 9. **Attendance:** The cost for this activity is \$150. Payment must be received in full prior to attending. However, do not send payments with the application. ***There is only enough space for 20 Cadets.*** In order to apply, please submit a CAPF 31, 32, 160, 161, and 163, a Cadet résumé, and a short letter (~300 words) explaining why you wish to attend this activity by 01 November 2015 to PO Box 65191, West Des Moines, IA 50265. Cadets will be selected from the pool of applicants and notified at a later date. Only after notification will

Cadets be required to send payments. Please be sure to include a working email address on your CAPF 31. This will be the only method of communication from the event staff to the attendees. At a later date, required documents will be emailed out with a mandatory return date. In addition, event staff will email the accepted attendees the activity handbook, which covers the expectations, requirements, and classes in more detail.

- 10.** If you have any questions or concerns, please contact Lt Col Casey Schroeder at casey.schroeder@iawgcap.com. Although every effort will be made to answer emails quickly, he works multiple shifts with long hours. Therefore, there may be a delay in responding.

//Signed//

CASEY L.C. SCHROEDER, Lt Col, CAP
Health Services Officer
Iowa Wing

Cadet Packing List:

- CAP ID
- Required CAPF 31, 32, 160, 161, and 163.
- Complete set of CAP short-sleeve blue uniform (2 recommended, no laundry facilities)
 - o Short-sleeve shirt
 - o Pants (females: pants are recommended, but skirts may be worn)
 - o (1) Pair of black low-quarter shoes
 - o (5) White V-neck T-shirts
 - o Flight cap (Service or “wheel” hats are not authorized for this activity)
 - o (5) Pair black socks
 - o Hangers for blues uniform
- USAF All-Weather Coat (no civilian jackets maybe worn while wearing a uniform)
- Appropriate cold-weather items (i.e. gloves, stocking cap, ear muffs)
- Sleepwear (appropriate and conservative)
- Undergarments (no laundry facilities available)
- Civilian Clothes (conservative in nature, casual wear for personal time)
- Toiletries
 - o Shampoo, Deodorant, Toothpaste, Tooth Paste, Razor, Shaving cream, and other personal hygiene items
 - o Shower Shoes
 - o Shower robe (optional)
 - o Towel
- Notepad & Pencil or other method of taking notes
- Medications (if needed)
- Camera
- Appropriate outer rain jacket
- Personal Funds (within reason)
- Sleeping System (Barracks):
 - o Bed Sheets or Sleeping Bag
 - o Pillow
 - o Blanket

NOTE: Barracks generally contain small footlockers for each bunk, but this is not always true. Every effort will be made to ensure that we are able to obtain barracks that do. If you wish to bring a tablet for note taking, MP3/iPod, or other electronics, please be advised there may be no method of securing these items. Items will NOT permitted in class but may be used during personal time. The Civil Air Patrol, Iowa Wing, School Staff, or others will not be responsible for missing, stolen, or broken items.