



Colorado Air National Guard

Traditional

Position Announcement

COANG 19-012



<https://coang.joint.afpims.mil/Jobs/Air-Traditional/>

POSITION TITLE: BIOENVIRONMENTAL ENGINEER	AFSC: 43E3A	OPEN DATE: 24-Oct-18	CLOSE DATE:
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UNIT OF ACTIVITY/DUTY LOCATION: 140 Medical Group Buckley AFB, CO 80011	GRADE REQUIREMENT: Minimum: O3 Maximum: O5
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SELECTING SUPERVISOR: Carrie Worrell, Lt Col	VACANCY 09926001C	PHYSICAL PROFILE: (Officer N/A) PULHES – N/A X Factor – ASVAB – N/A	
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AREAS OF CONSIDERATION

Traditional Tech (must bring EA/review by FSS) AGR (must bring EA/review by FSS)
 Current COANG members Nationwide (Military eligible for membership in the COANG)
 Enlisted Officer Commissioning Opportunity

All applicants MUST meet the grade requirement and physical/medical requirements outlined

DUTIES AND RESPONSIBILITIES

DUTIES and RESPONSIBILITIES:

1. Specialty Summary. Applies engineering and scientific principles in anticipating, recognizing, and evaluating occupational and environmental health (OEH) hazards, also called OEH threats. Designs and recommends risk control measures and other courses of action that enable Risk Management decisions, and in some cases Patient Care strategies, to ensure Force Health Protection. Constituent OPM Occupational Series: 0690 (Industrial Hygiene), 0801 (General Engineering and Architecture), 0819 (Environmental Engineering), 1306 (Health Physics), and 1310 (Physics). Related DoD Occupational Groups: 260803, 260815, 260823, and 260825.

2. Duties and Responsibilities:

- 2.1. Executes and supervises bioenvironmental engineering (BE) programs. Applies knowledge of engineering and the sciences to assist commanders in meeting mission objectives at home station and deployed settings. Performs and documents health risk assessments for chemical, biological, radiological, nuclear (CBRN), and physical hazards, which may compromise Force Health Protection. Advises commanders on impact of unacceptable risk to mission and provides viable courses of action to reduce and eliminate risk. Identifies and assesses effectiveness of OEH controls. Participates in installation contingency response activities, including exercises. Determines the appropriateness of personnel protective equipment and individual protective equipment. May participate in development of policy. Directs and supervises technicians conducting base BE activities. Maintains liaison with local, state, and federal agencies on matters involving OEH standards.
- 2.2. Advises command and staff agencies on effective operational risk management (ORM) decisions.
- 2.3. Develops measures to control radiological hazards, including those encountered in unrestricted areas to ensure permissible limits of radiation exposure are not exceeded. Augments medical health physics activities. Enables radiological monitoring, measurement, and control for the Nuclear Enterprise. Serves as Radiation Safety Officer where required.
- 2.4. AFSC 43EXC: Applies knowledge of architecture and engineering to modernize and maintain health care, training, and laboratory facilities. Provides guidance on functional and technical criteria specific to medical design and construction. Programs and plans medical facilities projects, reviews plans, specifications, and other supporting data for their technical, medical, and functional sufficiency.
- 2.5. AFSC 43EXG: Provides consultation regarding planning, designing, and constructing facilities for storage, use, and disposal of radioactive material or radiation producing devices. Guides the health risk assessment of exposure to ionizing and non-ionizing radiation; and ensures adherence to prescribed safety standards by evaluating activities involving the possession, handling, transportation, storage, use, and disposition of radioactive materials, as well as activities involving use of lasers and other non-ionizing radiation sources. Enables enhanced CBRN response capability for nuclear and radiological incidents.
- 2.6. AFSC 43EXM: Develops, institutes, and sustains medical physics programs for radiotherapy, nuclear medicine, and diagnostic imaging physics services that enable safe and effective patient care. Augments radiology resident training programs. Conducts medical physics activities, research and development on medical physics related topics.

DUTIES and RESPONSIBILITIES (Cont'd):

SPECIALTY QUALIFICATIONS:

- 3.1. Knowledge. The following knowledge is mandatory for the following AFSCs:
3.1.1. For AFSCs 43EXA/B/D/G/M, knowledge of all bioenvironmental engineering principles for force health protection spanning all operational environments.
3.1.2. For AFSCs 43EXC, knowledge of medical construction or architecture principles for medical facility planning, design, and construction.
3.1.3. For AFSCs 43EXM, knowledge of medical physics programs for radiotherapy, nuclear medicine, and diagnostic imaging physics services.
3.2. Education. See specialty shredsouts, and:
3.2.1. For award of AFSC 43E1B/C/D/G, meet requirements of and possession of AFSC 43E3A and complete the education and/or certification requirements in respective specialty shredsouts.
3.2.2. For award of AFSC 43E1M, possession of both AFSC 43E3A and a Master of Science (MS) degree in medical physics granted from a degree program accredited by the Commission on Accreditation of Medical Physics Education Programs (CAMPEP).
3.3. Training. The following training is mandatory for award of the AFSC indicated:
3.3.1. For award of AFSC 43E2A, completion of the BE Officer Course, B3OBY43E1000.
3.3.2. For award of AFSC 43E3A, completion of upgrade training IAW current BE Career Field Education Training Plan (CFETP), completion of the BE Officer Advanced Course, B3OBY43EXXXX, and possession of AFSC 43E2A.
3.4. Experience. The following experience is required for award of the AFSC indicated:
3.4.1. For award of AFSC 43E3A, completion of 18 months in the 43E2A duty AFSC while performing the work typical of a base BE flight or element, and after earning AFSC 43E2A.
3.4.2. For award of AFSC 43E3B/D, possession of the respective 43E1B/D shredsout AFSC for 24 months
3.4.3. For award of AFSC 43E3C/G, possession of the respective 43E1C/G shredsout AFSC and completion of 24 months in the respective 43E3C/G duty AFSC.
3.4.4. For award of AFSC 43E3M, certification by the American Board of Radiology (ABR) in one of the following three specialties: diagnostic radiologic physics, therapeutic radiologic physics, or nuclear medicine physics.
3.5. Other. The following qualifications are mandatory for entry into these AFSCs:
3.5.1. No record of acrophobia or claustrophobia.
3.5.2. Ability to clearly speak and communicate in the English language.
3.5.3. A valid state driver's license and ability to operate government motor vehicles in accordance with AFI 24-301, Vehicle Operations.
3.5.4. Normal color vision and depth perception as defined in AFI 48-123, Medical Examinations and Standards.
3.5.5. Must maintain local network access IAW AFMANs 33-152, User Responsibilities and Guidance for Information Systems and 33-282, Computer Security.
3.5.6. Ability to wear a 40-pound air pack while carrying 40 pounds of equipment in a totally encapsulating chemical protective suit.
3.5.7. Successful medical clearance for enrollment and active participation in the Respiratory Protection Program, IAW AFI 48-137, Respiratory Protection Program.

APPLICATION PROCEDURES

Interested applicants who meet the eligibility criteria listed in this announcement may apply by submitting the below listed documents to the location below. Complete applications must be received no later than 2359 on or before the closing date.

Selecting officials have the right to hold package review boards prior to in-person interviews

Incomplete packages will not be considered for the position vacancy

1. Cover Letter identifying the position you are applying for.
2. Civilian or Military Resume.
3. CURRENT Records Review RIP (available on vMPF via AF Portal).
4. CURRENT Points Credit Summary (available on vMPF via AF Portal).
5. CURRENT and PASSING Report of Individual Fitness (from Air Force Fitness Management Systems (AFFMS))
6. Additional requirements:

Add any other documentation you want provided.

*****SUBMIT ELECTRONIC ONLY*****

QUESTIONS?

If you have any questions on package submission you may contact 720-847-9302/DSN 847-9302 or email to the below email addresses. If you have any position related questions please contact the selecting supervisor.

E-MAIL APPLICATIONS TO MPS:

matthew.b.mensch.mil@mail.mil
Lydia.L.Hanson.mil@mail.mil;
ada.a.ponder.mil@mail.mil;
julia.p.warner2.mil@mail.mil

OR

SUBMIT SECURE APPLICATIONS VIA SAFE ACCESS FILE EXCHANGE (SAFE) <https://safe.arl.army.mil/>

matthew.b.mensch.mil@mail.mil
Lydia.L.Hanson.mil@mail.mil;
ada.a.ponder.mil@mail.mil;
julia.p.warner2.mil@mail.mil

REMARKS

Federal law prohibits the use of government postage for submission of applications.

THE COLORADO NATIONAL GUARD IS AN EQUAL OPPORTUNITY EMPLOYER

All applicants will be protected under Title VI of the Civil Rights Act of 1964. Eligible applicants will be considered without regard to race, age, religion, marital status, national origin, political affiliation or any other non-merit factor. Due to restrictions in assignment to certain units and AFSC/MOS some positions may have gender restrictions.