

Medical Education and Training Campus (METC)

Biomedical Equipment Maintenance Management (BEMM)

Army
Air Force

Biomedical Equipment Maintenance Management
Biomedical Equipment Maintenance Management

326-F17
L5AZJ4A271 00NA

Curriculum Plan



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(A): 7 January 2019, Class 005

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Supersedes:

METC CP Biomedical Equipment Maintenance Management (BEMM), approval date 7 January 2013

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Section 1: General Program Information

Program Description:

The instructional design for this program is group paced. This program provides formal training for Biomedical Equipment Maintenance personnel who are assigned to an Air Force or Army Medical Treatment Facility (MTF). The program is designed to provide advanced technical training in Biomedical Equipment Maintenance Management. The program will focus on regulatory guidance and operations, self-inspections, maintenance contracts, and reports.

Program Goal(s):

The program goal/mission is to train, mentor, professionally develop, and qualify the finest, technically proficient, military biomedical equipment maintenance technicians. Graduates will demonstrate the ability to:

- Identify principles of medical maintenance regulatory guidance and medical maintenance management operations;
- Administer maintenance contract and perform a self-inspection;
- Create and analyze business objects reports; and
- Produce and analyze maintenance management reports.

Enrollment Data:

	METC	Army	Navy	Air Force
Minimum Class Size*:	3	1	0	2
Maximum Class Size*:	21	1	0	20
Optimum Class Size*:	12	1	0	11
Entry Interval: 6 days				

* Minimum, Maximum, and Optimum Class Sizes are per iteration values.

Maximum Annual Throughput: (21)
(Army 1, USAF 20)

PDS Code: OBD

Instructional Design:

Group Pace

Security Classification:

UNCLASS

Accreditation Statement(s):

Graduates of Air Force consolidated programs are eligible to receive credit through the Community College of the Air Force (CCAF) and/or recommended credit through the American Council on Education (ACE). Graduates of collocated programs may be eligible to receive recommended credit through ACE. Additional information is provided below.

Council on Occupational Education (COE)

The Medical Education and Training Campus is accredited by the Commission of the Council on Occupational Education, 7840 Roswell Road Building 300, Suite 325 Atlanta, GA 30350, Telephone: 770-396-3898/FAX: 770-396-3790.
www.council.org.

Community College of the Air Force (CCAF)

The Medical Education and Training Campus is affiliated with the Community College of the Air Force, 100 South Turner Blvd Maxwell-Gunter AFB, AL 36114-3011.
Telephone: 334-649-5000/ DSN: 749-5000.
www.au.af.mil/au/barnes/ccaf

American Council on Education (ACE)

The Medical Education and Training Campus submits selected enlisted medical training programs to be evaluated for recommended credit by the American Council on Education Military Evaluations Program, One Dupont Circle NW Washington, DC 20036.
Telephone: 202-939-9470/866-205-6267.
www.acenet.edu

Programmatic Accreditation
AS NEEDED

Faculty Qualifications:

CCAF: Instructors assigned to the METC must have an associate degree or higher, preferably in the teaching discipline, from a regionally or nationally accredited postsecondary institution, or be able to achieve an associate degree within 12 months of Date Assigned Instructor Duty (DAID). They must have completed three (3) semester hours in a CCAF or American Council on Education (ACE) approved instructor methodology course, a 12 semester hour teaching internship course, be current in subject matter testing, have satisfactory annual instructor evaluations, and obtain at least one hour of professional development, documented annually. Additional instructor requirements include completion of the METC Orientation and Instructor Competency Development Training (ICDT), compliance with accreditation standards, and possession of valid licensure or certification in the respective career field, if required.

See METC Faculty Management Policy (METC OI 41-034) and Community College of the Air Force (CCAF) Policy, Procedure, and Guidelines (PPG).

Programmatic Faculty Requirements
AS NEEDED

Student Prerequisites:

Army-Specific: Refer to <https://www.atrrs.army.mil/atrrscc/prerequisites.aspx>. See also: AR 614-200, Chapter 4, Table 4-1 for Service Remaining Requirements.

Air Force-Specific: Refer to the Air Force Enlisted Classification Directory at:
https://gum.afpc.randolph.af.mil/cgi-bin/askafpc.cfg/php/enduser/std_adp.php?p_faqid=7504.

Biomedical Equipment Maintenance Management (BEMM)

Consolidated Course/Program (s) Length

Course	Course/Program Title	Didactic		Lab/ Prac	WTest	PMeas	Other	Total
		Did	Demo					
BEMM 101	Biomedical Equipment Maintenance Management	18.5	6.5	14.5	1	5	2.5	48

Program Instructor-Student Ratios (Consolidated)

Course	Course/Program Title	Didactic		Lab/ Practical	WTest	PMeas	Other
		Did	Demo				
BEMM 101	Biomedical Equipment Maintenance Management	1:20	1:10	1:6	1:20	1:6	1:20

Program Length Peacetime:

		METC	Army	Navy	Air Force
Hours	Didactic	18.5	0	0	0
	Demonstration	6.5	0	0	0
	Lab/Practical	14.5	0	0	0
	Written Test	1.0	0	0	0
	Performance Measurement	5.0	0	0	0
	Other	2.5	0	0	0
	Total Instructional	48.0	0	0	0
Total Administrative Hours	0	0	0	0	

Key		
Didactic	Did	Instructor/computer-based information formats for dissemination of information
Demonstration	Demo	Instructor lead demonstration of procedures
Lab/Practical	Lab/ Prac	Student hands-on practice
Clinical	Clin	Patient care or other supervised work experience
Written or Performance Measurement	WTest PMeas	Formal written/hands-on student measurements, includes time for pre-test review & post-test critique
Other	Other	All other formats for instruction
Required Activities	Reqd	All other non-instruction activities

¹An 8-hour training day is the standard; exceptions are noted

²Time for end of course critique included in hours for last written exam in each course

Section 2: Detailed Course Information

BEMM 101 Biomedical Equipment Maintenance Management

Course Description:

This course will prepare students for Biomedical Equipment Maintenance Management in a medical treatment facility. Students will be trained and assessed on the Biomedical Equipment Maintenance Management course using the Defense Medical Logistics Supply System (DMLSS).

Course Goals:

The course will prepare students through hands-on computer system applications. Students will administer maintenance contracts, perform self-inspections, create and analyze business object reports, and produce and analyze maintenance management reports.

Course Prerequisites:

Completion of the BMET Basic program and working in a MTF is recommended for all students.

Distribution of Contact Hours:

Unit #	Unit Title	Didactic		Lab/ Prac	WTest	PMeas	Other	Total
		Did	Demo					
1	Welcome and Orientation						1.5	1.5
2	Medical Maintenance Management	14.5	2.5	4.5		1.5		23.0
3	Medical Maintenance Computer Systems Software Management	4.0	4.0	10.0		3.5		21.5
4	Course Test and Feedback				1.0			1.0
5	Program Critique and Graduation						1.0	1.0
	TOTAL	18.5	6.5	14.5	1.0	5.0	2.5	48.0

Course Objectives and Learning Levels:

Lesson Name	Lesson Objective Number and Lesson Objective	Level Learning
Unit 1: Welcome and Orientation		
1.1 Welcome and Orientation	1.1.1 Welcome and Orientation	-
Unit 2: Medical Maintenance Management		
2.1 Medical Maintenance Regulatory Guidance	2.1.1 Identify Medical Maintenance Regulatory Guidance Principles	C2
2.2 Maintenance Management Plan	2.2.1 Identify Principles of Medical Maintenance Management Operations	C2

Biomedical Equipment Maintenance Management (BEMM)

Lesson Name	Lesson Objective Number and Lesson Objective	Level Learning
2.3 Administering Maintenance Contracts	2.3.1 Administer a Maintenance Contract	P2
2.4 Self-Inspections	2.4.1 Perform a Self-Inspection	P3
Unit 3: Equipment Maintenance		
3.1 Business Objects	3.1.1 Create Business Object Reports	P2
	3.1.2 Analyze Business Object Reports	P2
3.2 Maintenance Management Reports	3.2.1 Produce Maintenance Management Reports	P3
	3.2.2 Analyze Maintenance Management Reports	P3
Unit 4: Course Test and Feedback		
4.1 Course Test and Feedback	4.1.1 Take a written test	-
Unit 5: Program Critique and Graduation		
5.1 Program Critique and Graduation	5.1.1 Program Critique and Graduation	-