

Medical Education and Training Campus (METC)

Basic Medical Technician Corpsman Program

Navy	B-300-0010	Hospital Corpsman Basic	(HM-0000)
Air Force	L8AQJ4N031 01AA	Basic Medical Technician Corpsman Program	(4N0X1)

Curriculum Plan



KAREN L. WEIS
Col, USAF, NC, PhD, FAAN
Dean, Academic Affairs
Medical Education Training Campus
Fort Sam Houston, Texas 78234

Effective with Class Start Date:
(N) 1 May 2013
(AF) 1 May 2013

Supersedes: METC Curriculum Plan, 31 October 2011, Basic Medical Technician Corpsman Program, Navy B-300-0010 Hospital Corpsman (HM-0000); Air Force Phase I L8AQJ4N031 01AA Aerospace Medical Service Apprentices Course (4N031)

Contents

Section 1: General Program Information	5
Program Description:	5
Program Goal(s):	5
PDS Code Phase I: IHL	5
Security Classification:	5
Instructional Design:	5
Accreditation Statement(s):	6
Student Prerequisites:	6
Program Synopsis by Course:	6
BMTc 101 Introduction to Basic Medical Technician Corpsman Program	6
BMTc 103 Emergency Medical Technician (EMT)	6
BMTc 105F National Registry Emergency Medical Technician – (NREMT) Certification ..	7
BMTc 101N HM Fundamentals	7
NURS 101 Basic Nursing Fundamentals	7
NURS 201 Intermediate Nursing.....	8
BMTc 101F Aerospace Medical Service Apprentice Introduction	8
BMTc 103F Aerospace Medical Service Apprentice Fundamentals	8
BMTc 106F Emergency Medical Readiness Course (EMRC).....	8
Program Length Mobilization/Wartime:	11
Faculty Qualifications:	11
Section 2: Course Descriptions and Objectives.....	12
BMTc 101 Introduction to Basic Medical Technician Corpsman Program	12
Course Description:	12
Course Goal(s):	12
Distribution of Contact Hours:	12
Course Objectives and Levels of Learning:	12
BMTc 103 Emergency Medical Technician (EMT)	13
Course Description:	13
Course Goal(s):	13
Distribution of Contact Hours:	13
Course Objectives and Levels of Learning:	13
BMTc 105F National Registry Emergency Medical Technician (NREMT).....	21
Course Description:	21

Course Goal(s):	21
Distribution of Contact Hours:	21
Course Objectives and Levels of Learning:	21
BMTC 101N HM Fundamentals.....	22
Course Description:	22
Course Goal(s):	22
Distribution of Contact Hours:	22
Course Objectives and Levels of Learning:	22
NURS 101 Basic Nursing Fundamentals.....	24
Course Description:	24
Course Goal(s):	24
Distribution of Contact Hours:	24
Course Objectives and Levels of Learning:	24
NURS 201 Intermediate Nursing Fundamentals.....	27
Course Description:	27
Course Goal(s):	27
Distribution of Contact Hours:	27
Course Objectives and Levels of Learning:	27
BMTC 101F Aerospace Medical Service Apprentice (AMSA) Introduction	30
Course Description:	30
Course Goal(s):	30
Distribution of Contact Hours:	30
Course Objectives and Levels of Learning:	30
BMTC 103F Aerospace Medical service Apprentice Fundamentals	31
Course Description:	31
Course Goal(s):	31
Distribution of Contact Hours:	31
Course Objectives and Levels of Learning:	31
BMTC 106F Expeditionary Medical Readiness Course (EMRC)	34
Course Description:	34
Course Goal(s):	34
Distribution of Contact Hours:	34
Course Objectives and Levels of Learning:	34

Change Record

Item to Change	Description	Date Approved
TOC	Added table of contents	8 Mar 13
Section 1	Changed program description to conform to new template	8 Mar 13
	Added enrollment data chart	8 Mar 13
	Added Instructional design description	8 Mar 13
	Removed CAAHEP from accreditation information	8 Mar 13
	Added NREMT and American Heart accreditation information	8 Mar 13
	Changed student prerequisites information to conform to new template	8 Mar 13
	Added minor rewording to course descriptions	8 Mar 13
	Change program length hour charts to reflect the approved course of action one curriculum	8 Mar 13
	Added ratio chart	8 Mar 13
	Change program length peacetime hour chart to reflect the approved course of action one curriculum	8 Mar 13
	Removed the program length mobilization/wartime chart	8 Mar 13
	Changed faculty qualifications to conform to new template	8 Mar 13
Section 2	Replaced all topic objectives with lesson objectives to conform to template requirements. Topic objectives listed on the previous CP were verified on lesson plans.	8 Mar 13
	Change lesson objective learning levels to the levels agreed to during the Task Correlation Working Group (TCWG)	8 Mar 13
	Changed BMTC 103 contact hour chart and sequence of lessons to reflect the approved course of action one curriculum	8 Mar 13
	Corrected BMTC 105F learning level typos	8 Mar 13
	Changed BMTC 101N contact hour chart and sequence of lessons to reflect the approved course of action one curriculum. This includes removing BMTC 104N and adding a unit of instruction for Navy Clinical, as well as adding NREMT skills testing to unit one.	8 Mar 13
	Removed Introduction to TCCC from BMTC 101N instruction provided in BMTC 103 satisfies the associated correlated tasks listed in both areas on the Program Correlation Sheet (PCS) approved during the TCWG	8 Mar 13
	Added dental emergency related objectives from NURS 201 to BMTC 101N (deconsolidation on this topic)	8 Mar 13
	Changed NURS 101 contact hour chart and sequence of lessons to reflect the approved course of action one curriculum.	8 Mar 13
	Removed performance objective for range of motion from NURS 101 – no longer required by either service task list. As discussed and approved during the TCWG	8 Mar 13
	Changed NURS 201 contact hour chart and sequence of lessons to reflect the approved course of action one curriculum.	8 Mar 13
	Changed BMTC 103F contact hour chart and sequence of lessons to reflect the approved course of action one curriculum.	8 Mar 13

Note: Any time there is a change to the Curriculum Plan annotate the change number and approval date to the Change Record.

Section 1: General Program Information

Program Description:

The instructional design for the Basic Medical Technician Corpsman Program consolidated courses are group-lock step. The Program provides enlisted personnel, from multi-Services, with a basic knowledge as well as simulated and clinical training in various aspects of emergency, nursing, and primary care. Subjects include Basic Life Support (BLS), medical terminology, anatomy & physiology, Emergency Medical Technician curricula, as well as various aspects of nursing and primary patient care. Outcome-based practice and safety techniques are emphasized throughout the program. The program consists of lectures, group activities, demonstrations, hands-on instruction and clinical practice. Performance exercises, written examinations, clinical/practicum are used to assess accumulation and retention of knowledge and skills. Quality assurance and safety techniques have been incorporated into the program administration. Lecture, demonstration, online materials, simulations, and laboratory practice are utilized throughout the program. This program provides graduates with technical skills and knowledge required to achieve entry-level Aerospace Medical Service Apprentice and Basic Hospital Corpsman competencies. Additionally, this course prepares students for the EMT Certification. All Air Force graduates must pass the national certification/examination process. The program prepares the student to perform inpatient and outpatient operations in both traditional and non-traditional settings. The program culminates in college credits that apply toward an Associates Degree.

Enrollment Data:	Air Force	Navy
Minimum Enroll:	1	1
Maximum Quota:	34	85
Programmed:	50	50
Entry Interval:	7	7

Note: Maximum Quota reflects the "Class Maximum" provided in the ATRRS Course Catalog.

Program Goal(s):

The Basic Medical Technician Corpsman Program will prepare Service Members to function as entry-level Medical Technicians and Corpsman in fixed and non-fixed medical facilities, performing duties to provide quality emergency, nursing and primary care procedures. Graduates will demonstrate: the ability to comprehend, evaluate and apply information relevant to the role of the basic Medical Technician and Corpsman; technical proficiency in entry-level skills required to fulfill the role of a basic Medical Technician and Corpsman; as well as the personal and professional behavior consistent with the expectations of the basic Medical Technician and Corpsman.

PDS Code Phase I: IHL

Security Classification:

Unclassified

Instructional Design:

Group Paced

Accreditation Statement(s):

This program has been submitted to the American Council on Education for evaluation of credit hours. This is a Community College of the Air Force credit awarding program. Additional accreditation information can be located by accessing the following internet sites:

Council on Occupational Education (COE)
www.council.org

National Registry of Emergency Medical Technicians (NREMT)
www.nremt.org

American Heart Association
www.heart.org

Student Prerequisites:

Air Force specific: See the Education & Training Course Announcements (ETCA) site <https://etca.randolph.af.mil/default1.asp>

Navy specific: See Catalog of Navy Training Courses (CANTRAC).
<https://app.prod.cetars.training.navy.mil/cantrac/vol2.html>

Program Synopsis by Course:

This program consists of multiple courses. All consolidated courses and applicable service specific courses must be completed successfully to pass this program.

Phase I**BMTC 101 Introduction to Basic Medical Technician Corpsman Program**

This course provides an introduction to the Basic Medical Technician/Corpsman Program (BMTCP). An overview of Academic Policies and Procedures, Course and Group Policies, Student Evaluation and Administration Plan (SEAP), Instructional Resources and Materials, College Credit, Student Feedback, Textbooks and Supplies will be conducted. This culminates with the American Heart Association Basic Life Support (BLS) for Healthcare Providers certification.

Prerequisite(s): None

BMTC 103 Emergency Medical Technician (EMT)

The EMT course provides basic understanding of the knowledge and skills necessary to function as a first responder Basic Medical Technician/Corpsman. The course begins with providing students with the foundational medical terminology, anatomy and physiology, as well as pathophysiology. The successful student will also master theories in pre-hospital care, and transporting patients with a focus on patient assessment and appropriate interventions in various rescue scenarios, including trauma, extrication, medical emergencies, behavioral and environmental emergencies and special populations such as children and the elderly. The course will also equip students with the knowledge and skill required to successfully complete the National Registry of Emergency Medical Technicians (NREMT) written exam and practical skills lab.

Prerequisite(s): BMTC 101

BMTC 105F National Registry Emergency Medical Technician – (NREMT) Certification

This course assesses the student's ability to apply Emergency Medical Technician (EMT) principles in didactic and practical environments IAW DOT NHTSA standards. Air Force students must successfully complete the National Registry of Emergency Medical Technician (NREMT) practical skills lab and cognitive exam.

Prerequisite(s): BMTC 103

BMTC 101N HM Fundamentals

This course is divided into three units of instruction covering the multifaceted skill sets needed for the global theatre of operation Navy Hospital Corpsman operate in. Unit one prepares the student for National Registry certification in Emergency Medical Technology via standardized state code skills testing methodology. Students receive instruction on Navy Medicine foundation programs, the role of the Hospital Corpsman, apprentice level instruction on Chemical Biological Radiological Nuclear and High-Yield Explosives (CBRNE) and Tactical Combat Casualty Care (TCCC); all which are required in the assessment and management of a combat casualty from point of injury to a higher level of care. Unit two provides the student with instruction on Hospital Corpsman duties, responsibilities, and scope of practice in typical environments; Hospitals, Expeditionary, and shipboard medicine. Students are exposed to clinical management, principles of patient assessment and treatments. Emphasis is placed on the assessment and treatment of: Preventive Medicine, Basic Laboratory, Emergency Dental Treatments, Head/Eyes/Ears/Nose and Throat, Neurological, Respiratory, Cardiovascular, Gastrointestinal, Musculoskeletal, Lower Back, and Integumentary systems. In unit three, students will participate in a facilitated clinical rotation within one of five local Department of Defense, Veterans Association or civilian training program hospitals. This synthesis phase challenges students to apply assessment and patient care skills in the inpatient, outpatient, and emergency medicine environment.

Prerequisite(s): BMTC 103

NURS 101 Basic Nursing Fundamentals

This course provides the student with the basic knowledge and skills needed to perform patient care within the parameters of the nursing specialty. This course begins with establishing foundational nursing terms and principles. Students will also master subjects including documenting patient care, infection control, sterile environments, nursing technologies, interpersonal relationships and customer service, medical ethics, primary care optimization, patient medical records, vital signs, patient movement and safety, patient hygiene, restraint usage, as well as focused basic inpatient and outpatient care. Selected basic nursing skills students learn in this course are tested during practical performance assessments. To mirror the best practice references and guidelines used in our Department of Defense (DoD) Military Treatment Facilities (MTFs), BMTCP uses Mosby's Online references as the foundation for nursing curriculum. This course also complies with The Joint Commission (TJC), American Heart Association (AHA), Centers for Disease Control and Prevention (CDC) guidelines, American Nurses Association (ANA) standards and applicable service instructions.

Prerequisite(s): BMTC 105F (or its approved equivalent) or Unit 1 of BMTC 101N

NURS 201 Intermediate Nursing

The course will equip students with apprentice level knowledge and skills required to perform care across the global patient care settings. Students are trained and performance tested on key patient care skills such as: patient intake and output, nasogastric tubes, urinary catheterization, specimen collection, IV therapy, medication administration, pre and post operative care, as well as wound care and management. Selected intermediate nursing skills students learn in this course are tested during practical performance assessments. Nursing Synthesis is a capstone lab that requires students to apply all previously learned skills in a comprehensive patient scenario using high fidelity simulation. To mirror the best practice references and guidelines used in our Department of Defense (DoD) Military Treatment Facilities (MTFs), BMTCP uses Mosby's Online references as the foundation for nursing curriculum. This course also complies with The Joint Commission (TJC), American Heart Association (AHA), Centers for Disease Control and Prevention (CDC) guidelines, American Nurses Association (ANA) standards and applicable service instructions. Prerequisite(s): NURS 101 or its approved equivalents.

BMTC 101F Aerospace Medical Service Apprentice Introduction

Training provides students entering the Aerospace Medical Service Apprentice (AMSA) career field with the knowledge and skills needed to perform at the apprentice level. Subjects in this curriculum include an overview of Air Force Medical Doctrine, AEF Aspects, Career Field Education and Training Plan, AFSC Duties, Special Duties, AFSC Shred outs, and the AMSA scope of practice. Course content complies with the Aerospace Medical Service Career Field Education and Training Plan (CFETP) and Air Force instructions. Upon completion of this course the AMSA will be able to identify basic facts and principles related to the Aerospace Medical Service mission. Prerequisite(s): NURS 201 or its approved equivalents.

BMTC 103F Aerospace Medical Service Apprentice Fundamentals

Training provides students entering the Aerospace Medical Service Apprentice (AMSA) career field with the knowledge and skills needed to perform at the apprentice level. Students will master subjects including aerospace physiology effects, aircraft mishaps, patient care environment, line of duty determinations, medical databases, records review, documenting patient care, performing visual screening, physical examination preparation, cardiac monitoring procedures and aerospace medicine. Course content complies with Joint Commission, American Heart Association (AHA), Centers for Disease Control and Prevention (CDC) guidelines, American Nurses Association (ANA) standards and Air Force and METC instructions. Upon completion of this course, the (AMSA) will be able to perform entry level medical and administrative tasks. Prerequisite(s): BMTC 101F.

BMTC 106F Emergency Medical Readiness Course (EMRC)

This course provides practical and didactic training, with an orientation to all continuing Medical Readiness Training (MRT) core topics to: active duty, AFRC and ANG personnel attending 3-level medical/dental AFSC awarding courses. Student will gain emergency medical readiness and deployment skills in a field hospital's surgical suite and sterile processing and supply areas. Prerequisite(s): None

Program Length Consolidated Courses

Course	Course Title	Did	Int Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
BMTC 101	Introduction to Basic Medical Technician Corpsman Program	2	0	6	0	1	1	0	0	10
BMTC 103	EMT	135	0	57	0	21	0	0	0	213
NURS 101	Basic Nursing Fundamentals	34	2	23	0	12	0	0	0	71
NURS 201	Intermediate Nursing	40	8	68	0	12	0	0	0	128
	TOTAL	211	10	154	0	46	1	0	0	422

Program Length Navy Specific Courses

Course	Course Title	Did	Int Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
BMTC 101N	HM Fundamentals	43	1	24	40	4	22	4	0	138
	TOTAL	43	1	24	40	4	22	4	0	138

Program Length Air Force Specific Courses

Course	Course Title	Did	Int Did	Lab/Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
BMTC 101F	AMSA Introduction	5	0	0	0	2	0	0	0	7
BMTC 103F	AMSA Fundamentals	37	10	14	0	12	0	0	0	73
BMTC 105F	NREMT	8	0	8	0	8	16	0	0	40
BMTC 106F	EMRC – Emergency Medical Readiness Training	7.5	0	8	0	0	0	0.5	0	16
	TOTAL	57.5	10	30	0	22	16	0.5	0	136

Key		
Didactic	Did	Instructor/self-paced formats for dissemination of information
Interactive Didactic	Int Did	Student centered activities done in the classroom that require more instructors
Lab/Practical	Lab/ Prac	Demonstration/hands-on practice
Clinical	Clin	Patient care or other supervised work experience
Written or Practical Test	WTest PTest	Formal written/hands-on student assessments, includes time for pre-test review & post-test critique
Other	Other	All other formats for instruction
Required Activities	Req'd	All other non-instruction activities

Program Instructor – Student Ratios

Course	Did	Int Did	Lab/ Prac	Lab/ Prac	Lab/ Prac	Lab/ Prac	Clin	Wtest	PTest	Other / Req
BMTC 101	1:25		1:06					1:25	1:06	
BMTC 103	1:25		1:10					1:25		
NURS 101	1:25	1:12	1:06	1:12						
NURS 201	1:25	1:12	1:01	1:04	1:06	1:12		1:25		
BMTC 101N	1:25		1:10	1:25			1:10	1:25	1:10	
BMTC 101F	1:25							1:25		
BMTC 103F	1:25	1:12	1:06					1:25		
BMTC 105F	1:25							1:25	1:06	
BMTC 106F	1:25		1:06							

Program Length Peacetime:

		METC	Navy	Air Force
Phase I Hours¹	Didactic	311.5	259	268.5
	Interactive Didactic	21	19	31
	Lab/Practical	208	171	173
	Clinical	40	40	0
	Written Test ²	72	50	68
	Practical Test	39	17	17
	Other (FTX/SP)	4.5	4	0.5
	Required Activities	0	0	0
		696	560	558
Clinical/ Phase II Hours	Didactic			
	Lab/Practical			
	Clinical			
	Written Test			
	Practical Test			
	Other (admin)			
	Required Activities			
Total Hours		696	560	558

Program Length Mobilization/Wartime:

Wartime course charts are not being used. We are awaiting guidance from the services.

Faculty Qualifications:

The Program Director and Clinical Nursing Instructors are required to be a Physician Assistants (PA) or Registered Nurses (RN) and commissioned officers. The Program Director and Clinical Nursing Instructors must meet all instructor qualifications.

Instructors must have completed the METC instructor training course or an equivalent Service instructor course. Instructors must have also completed a teaching internship and have all appropriate subject-matter qualifications. They must possess the following instructor credentials for their respective services: NEC 9502 and 0000, or 8400/8500/8700 series qualifications, the AFSC T-46N3, T-4N051 or T-4N071. Instructors must possess at least an Associates degree or be within twelve months of completion of all degree requirements upon arrival to METC. See the METC Faculty Development Policy for additional information regarding faculty qualifications.

An 8 hour training day is the standard; exceptions are noted
Time for end of course critique included in hours for last written exam in each course

Section 2: Course Descriptions and Objectives

BMTC 101 Introduction to Basic Medical Technician Corpsman Program

Course Description:

This course provides an introduction to the Basic Medical Technician/Corpsman Program (BMTCP). An overview of Academic Policies and Procedures, Course and Group Policies, Student Evaluation and Administration Plan (SEAP), Instructional Resources and Materials, College Credit, Student Feedback, Textbooks and Supplies will be conducted. This culminates with the American Heart Association Basic Life Support (BLS) for Healthcare Providers certification.

Prerequisite(s): None

Course Goal(s):

Students will acquire a comprehensive understanding of the Basic Medical Technician/Corpsman Program and Basic Life Support (BLS).

Distribution of Contact Hours:

Unit #	Unit Title	Did 1:25	Lab/ Prac 1:06	Clin	Wtest 1:25	Ptest 1:06	Other	Req'd Act.	Total
1	Program Overview	2.0							2.0
2	BLS for Health Care Providers		6.0		1.0	1.0			8.0
Total		2.0	6.0		1.0	1.0			10.0

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 Program Overview					
1.1.1	Program Overview	Act IAW Basic Medical Technician Corpsman Program (BMTCP) standard operating procedures and the Student Evaluation and Administration Plan (SEAP).			A2
1.1.2		Students acknowledge and sign stating they have received, read, and understand the SEAP.			A1
Unit 2 Basic Life Support for Healthcare Providers					
1.3.1	BLS for Healthcare Providers	Perform Healthcare provider Basic Life Support (BLS).		P2	
1.3.2		Explain Healthcare Provider Basic Life Support (BLS) procedures.	C2		

BMTC 103 Emergency Medical Technician (EMT)

Course Description:

The EMT course provides basic understanding of the knowledge and skills necessary to function as a first responder Basic Medical Technician/Corpsman. The course begins with providing students with the foundational medical terminology, anatomy and physiology, as well as pathophysiology. The successful student will also master theories in pre-hospital care, and transporting patients with a focus on patient assessment and appropriate interventions in various rescue scenarios, including trauma, extrication, medical emergencies, behavioral and environmental emergencies and special populations such as children and the elderly. The course will also equip students with the knowledge and skill required to successfully complete the National Registry of Emergency Medical Technicians (NREMT) written exam and practical skills lab.

Prerequisite(s): BMTC 101

Course Goal(s):

The course will equip students with the knowledge and skills required to successfully complete the National Registry of Emergency Medical Technicians (NREMT) written exam and practical skills lab.

Distribution of Contact Hours:

Unit #	Unit Title	Did 1:25	Int Did 1:12	Lab/ Prac 1:10	Clin	Wtest 1:25	PTest	Other	Req'd Act.	Total
1	Anatomy, Physiology & Medical Terminology	16	0	0	0	3	0	0	0	19
2	Foundation & EMS Operations	16	0	0	0	3	0	0	0	19
3	Airway Management/ Respiration and Artificial Ventilation	11	0	10	0	3	0	0	0	24
4	Patient Assessment	18	0	11	0	3	0	0	0	32
5	Medical Emergencies	28	0	15	0	3	0	0	0	46
6	Trauma Emergencies	27	0	20	0	3	0	0	0	50
7	Special Populations	19	0	1	0	3	0	0	0	23
Total		135	0	57	0	21	0	0	0	213

Course Objectives and Levels of Learning:

Note: The chapters of the C.O.T.S reference textbook added for clarification

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 - Anatomy, Physiology & Medical Terminology					
1.1.1	Medical Terminology and Anatomy and Physiology (Chapter 5)	Identify basic medical terminology.	C1		
1.1.2		Identify basic human anatomy and physiology.	C1		
1.1.3		Identify normal systemic function.	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
1.2.1	Principles of Pathophysiology (Chapter 6)	Explain commonly encountered pathophysiology of major body systems.	C2		
Unit 2 - Foundation & EMS Operations					
2.1.1	Introduction to Emergency Medical Care (Chapter 1)	Explain the components of the Emergency Medical Services System.	C2		
2.2.1	EMS Operations (Chapter 38)	Identify the roles and responsibilities of the EMT before the dispatch.	C1		
2.2.2		Identify the roles and responsibilities of the EMT during transport.	C1		
2.2.3		Identify the roles and responsibilities of the EMT during patient turnover.	C1		
2.3.1	The Well-Being of the EMT (Chapter 2)	Explain the tenets for maintaining physical well-being.	C2		
2.3.2		Explain the tenets for maintaining psychosocial well-being.	C2		
2.4.1	Highway Safety and Vehicle Extrication (Chapter 40)	Explain highway safety considerations.	C2		
2.4.2		Identify the roles and responsibilities of the EMT during vehicle extrication.	C1		
2.5.1	EMS Response to Terrorism (Chapter 41)	Identify the situational awareness aspects of EMS response to terrorism.	C1		
2.5.2		Identify the safety aspects of treating a patient during EMS response to terrorism.	C1		
2.6.1	Lifting and Moving Patients (Chapter 3)	Explain the decision making process of safe patient movement.	C2		
*2.6.2		Perform patient movement.		*P2	
2.7.1	Life Span Development (Chapter 7)	Explain the physiologic changes that occur in human beings from birth to death.	C2		
2.7.2		Explain the psychosocial changes that occur in human beings from birth to death.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 3 - Airway Management, Respiration, and Artificial Ventilation					
3.1.1	Airway Management (Chapter 8)	Identify Airway Anatomy and Physiology.	C1		
3.1.2		Assess airway pathophysiology		P2	
3.1.3		Perform airway interventions		P2	
3.2.1	Respiration and Artificial Ventilation (Chapter 9)	Explain the anatomy and physiology of respirations	C2		
3.2.2		Explain the assessment of pathology of respiration.	C2		
3.2.3		Perform interventions for inadequate respiration.		P2	
Unit 4 - Patient Assessment					
4.1.1	Scene Size-Up (Chapter 10)	Explain the elements and considerations of a Scene Size-Up.	C2		
4.2.1	The Primary Assessment (Chapter 11)	Identify the components of the Primary Assessment.	C1		
4.2.2		Explain how patient condition can alter the Primary Assessment.	C2		
4.3.1	Vital Signs and Monitoring Devices (Chapter 12)	Identify the components of vital signs.	C1		
4.3.2		Obtain Vital Signs.		P2	
4.3.3		Compare and Contrast patient Vital Signs according to patient condition and situation.	C2		
4.4.1	Assessment of the Trauma Patient (Chapter 13)	Explain the relationship between a detailed physical examination and the secondary assessment of a trauma patient.	C2		
4.4.2		Perform appropriate assessment of a trauma patient based on mechanism of injury.		P2	
4.4.3		Perform a secondary assessment of a trauma patient.		P2	
4.5.1	Assessment of the Medical Patient (Chapter 14)	Explain appropriate assessment of a medical patient based on patient responsiveness.	C2		
4.5.2		Explain the relationship between a rapid physical examination and the secondary assessment of a medical patient.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
4.5.3		Perform a secondary assessment of a medical patient.		P2	
4.6.1	Reassessment (Chapter 15)	Explain the components of the reassessment based on patient condition.	C2		
4.7.1	Critical Thinking and Decision Making (Chapter 16)	Identify the role critical thinking plays in the diagnostic process.	C1		
4.7.2		Explain the differences between a physician's clinical approach and that of an EMT.	C2		
4.8.1	Communications and Documentation (Chapter 17)	Identify EMS-related communication systems.	C1		
4.8.2		Explain effective reporting techniques.	C2		
Unit 5 - Medical Emergencies					
5.1.1	Pharmacology (Chapter 18)	Explain the EMT scope of practice in medication administration.	C2		
5.1.2		Explain basic principles of medication administration safety practices.	C2		
5.1.3		Identify categories of medications commonly prescribed to patients for everyday use.	C1		
5.1.4		Perform medication administration		P2	
5.2.1	Difficulty Breathing (Chapter 19)	Identify the basic anatomy and physiology of the respiratory system.	C1		
5.2.2		Describe the assessment of pathology of respiratory emergencies.	C1		
5.2.3		Explain interventions used in respiratory emergencies.	C2		
5.2.4		Perform respiratory interventions		P2	
5.3.1	Cardiac Emergencies (Chapter 20)	Identify the basic anatomy and physiology of the cardiac system.	C1		
5.3.2		Describe the assessment of pathology of cardiac emergencies.	C1		
5.3.3		Explain interventions used in cardiac emergencies.	C2		
5.3.4		Perform cardiac interventions		P2	
5.4.1	Diabetic Emergencies/	Identify the basic anatomy and physiology of normal mentation.	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
	Altered Mental Status (Chapter 21)				
5.4.2		Explain the assessment of pathology of altered mental status.	C2		
5.4.3		Explain interventions used in altered mental status.	C2		
5.4.4		Perform primary and secondary assessments on patients with altered mental status.		P2	
5.5.1	Allergic Reactions (Chapter 22)	Explain the basic anatomy and physiology of an allergic reaction.	C2		
5.5.2		Explain the assessment of pathology of allergic reaction.	C2		
5.5.3		Explain interventions used in altered mental status.	C2		
5.5.4		Perform allergic reaction treatments		P2	
5.6.1	Poisoning and Overdose (Chapter 23)	Identify the physiology of poison exposure and EMT safety.	C1		
5.6.2		Describe the assessment of pathology of poison exposure.	C1		
5.6.3		Explain interventions used in poison exposure.	C2		
5.6.4		Assess patients for intoxications and poisonings.		P2	
5.7.1	Abdominal Pain and Discomfort (Chapter 24)	Identify the basic anatomy and physiology of the abdomen.	C1		
5.7.2		Explain the assessment of pathology of abdominal emergencies.	C2		
5.7.3		Explain interventions used with abdominal emergencies.	C2		
5.7.4		Perform abdominal emergency interventions		P2	
5.8.1	Behavioral Emergencies (Chapter 25)	Identify the causes of behavioral and psychiatric emergencies.	C1		
5.8.1		Describe the assessment of pathology of behavioral and psychiatric emergencies.	C1		
5.8.1		Describe interventions in behavioral and psychiatric emergencies.	C1		
5.9.1	Hematology and	Identify the basic anatomy and physiology of the hematologic and	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
	Nephrology (Chapter 26)	renal systems.			
5.9.1		Describe the assessment of pathology of the hematologic and renal systems.	C1		
5.9.1		Describe interventions used with the hematologic and renal systems.	C1		
Unit 6 - Trauma Emergencies					
6.1.1	Bleeding and Shock (Chapter 27)	Identify the basic anatomy and physiology of perfusion.	C1		
6.1.2		Explain the assessment and pathology of inadequate perfusion.	C2		
6.1.3		Explain interventions for inadequate perfusion.	C2		
6.1.4		Perform trauma patient interventions		P2	
6.2.1	Soft Tissue Trauma (Chapter 28)	Identify the basic anatomy and physiology of skin and soft tissue.	C1		
6.2.2		Explain the assessment of pathology of soft tissue trauma.	C2		
6.2.3		Explain interventions for soft tissue trauma.	C2		
6.2.4		Treat soft tissue injuries		P2	
6.3.1	Chest and Abdominal Trauma (Chapter 29)	Explain the assessment of chest and abdominal trauma.	C2		
6.3.2		Explain interventions for chest and abdominal trauma.	C2		
6.3.3		Treat thoracic and abdominal injuries.		P2	
6.4.1	Musculoskeletal Trauma (Chapter 30)	Identify the basic anatomy and physiology of the musculoskeletal system.	C1		
6.4.2		Explain the assessment of pathology of musculoskeletal trauma.	C2		
6.4.3		Explain interventions for musculoskeletal trauma.	C2		
6.4.4		Treat musculoskeletal trauma		P2	
6.5.1	Trauma to the Head, Neck, and Spine (Chapter 31)	Identify the basic anatomy and physiology of the central nervous system.	C1		
6.5.2		Explain the assessment of pathology of central nervous system trauma.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
6.5.3		Explain interventions for central nervous system trauma.	C2		
6.5.4		Treat head, neck and spinal injuries		P2	
6.6.1	Multisystem Trauma (Chapter 32)	Explain the assessment of pathology of multisystem trauma.	C2		
6.6.2		Explain interventions for multisystem trauma.	C2		
6.7.1	Environmental Emergencies (Chapter 33)	Explain the assessment and treatment of cold injuries.	C2		
6.7.2		Explain the assessment and treatment of heat injuries.	C2		
6.7.3		Explain the assessment and treatment of water-related injuries.	C2		
6.7.4		Explain the assessment and treatment of bite and sting.	C2		
6.7.5		Treat bites and stings		P2	
6.8.1	Hazardous Materials, Multiple-Casualty Incidents, and Incident Management (Chapter 39)	Explain the responsibilities of the EMT during a hazardous material response.	C2		
6.8.2		Explain the responsibilities of the EMT during a multiple-casualty incident.	C2		
Unit 7 – Special Populations					
7.1.1	Obstetrics and Gynecology (Chapter 34)	Identify the basic anatomy and physiology of obstetrics.	C1		
7.1.2		Explain the assessment of pathology of obstetric emergencies.	C2		
7.1.3		Explain interventions for obstetric emergencies.	C2		
7.1.4		Perform complicated delivery interventions.		P2	
7.2.1	Pediatric Emergencies (Chapter 35)	Identify the basic anatomy and physiologic characteristics of pediatric patients.	C1		
7.2.2		Explain the assessment of pathology of pediatric emergencies.	C2		
7.2.3		Explain interventions for pediatric emergencies.	C2		
7.3.1	Geriatric Patients	Identify the basic anatomy and physiologic characteristics of	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
	(Chapter 36)	geriatric patients.			
7.3.2		Explain the assessment of pathology of geriatric emergencies.	C2		
7.3.3		Explain interventions for geriatric emergencies.	C2		
7.4.1	Emergencies For Patients with Special Challenges (Chapter 37)	Identify the assessment of pathology of special needs patients.	C1		
7.4.2		Explain interventions for special needs patients.	C2		
7.5.1	Medical, Legal, and Ethical Issues (Chapter 4)	Explain EMT Scope of Practice.	C2		
7.5.2		Explain patient consent and refusal.	C2		
7.5.3		Explain special legal considerations of an EMT.	C2		

* **Note:** Objective 2.6.2 is assessed during the Trauma Lab in Unit 6.

BMTC 105F National Registry Emergency Medical Technician (NREMT)

Course Description:

This course assesses the student's ability to apply Emergency Medical Technician (EMT) principles in didactic and practical environments IAW DOT NHTSA standards. Air Force students must successfully complete the National Registry of Emergency Medical Technician (NREMT) practical skills lab and cognitive exam.

Prerequisite(s): BMTC 103

Course Goal(s):

Successfully complete the National Registry of Emergency Medical Technician (NREMT) written exam and practical skills lab.

Distribution of Contact Hours:

Unit #	Unit Title	Did 1:25	Int Did 1:12	Lab/ Prac	Clin	WTest	Ptest 1:06	Other	Req'd Act.	Total
1	NREMT Preparation	0	16	0	0	8	0	0	0	24
2	NREMT Certification	0	0	0	0	4	12	0	0	16
Total		0	16	0	0	12	12	0	0	40

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 – NREMT Preparation					
1.1.1	NREMT Practice Exam	Assess student's ability to apply knowledge of EMT principles	C2		
1.1.2	NREMT Situational Review	Assess student's ability to apply EMT principles		P2	
Unit 2 - NREMT Certification					
2.1.1	NREMT Practical Exam	Assess student's ability to apply EMT principles in a practical environment.		P2	
2.1.2	NREMT Cognitive Exam	Assess student's ability to apply EMT principles.	C2		

BMTC 101N HM Fundamentals

Course Description:

This course is divided into three units of instruction covering the multifaceted skill sets needed for the global theatre of operation Navy Hospital Corpsman operate in. Unit one prepares the student for National Registry certification in Emergency Medical Technology via standardized state code skills testing methodology. Students receive instruction on Navy Medicine foundation programs, the role of the Hospital Corpsman, apprentice level instruction on Chemical Biological Radiological Nuclear and High-Yield Explosives (CBRNE) and Tactical Combat Casualty Care (TCCC); all which are required in the assessment and management of a combat casualty from point of injury to a higher level of care. Unit two provides the student with instruction on Hospital Corpsman duties, responsibilities, and scope of practice in typical environments; Hospitals, Expeditionary, and shipboard medicine. Students are exposed to clinical management, principles of patient assessment and treatments. Emphasis is placed on the assessment and treatment of: Preventive Medicine, Basic Laboratory, Emergency Dental Treatments, Head/Eyes/Ears/Nose and Throat, Neurological, Respiratory, Cardiovascular, Gastrointestinal, Musculoskeletal, Lower Back, and Integumentary systems. In unit three, students will participate in a facilitated clinical rotation within one of five local Department of Defense, Veterans Association or civilian training program hospitals. This synthesis phase challenges students to apply assessment and patient care skills in the inpatient, outpatient, and emergency medicine environment.

Prerequisite(s): BMTC 103

Course Goal(s):

Students will master the roles, responsibilities and scope of practice of the Navy Corpsman apprentice, and acquire a sense of heritage and esprit de corps unique to the HM Rating.

Distribution of Contact Hours:

Unit #	Unit Title	Did 1:25	Int Did 1:12	Lab/ Prac 1:10	Lab/ Prac 1:25	Clin 1:10	Wtest 1:25	Ptest 1:10	Other	Req'd Act.	Total
1	HM Fundamentals	18	0	0	4	0	2	16	0	0	40
2	Enhanced Assessment Program	25	1	20	0	0	2	6	2	0	56
3	Clinical	0	0	0	0	40	0	0	2	0	42
Total		43	1	20	4	40	4	22	4	0	138

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho- motor	Affective
Unit 1 – HM Fundamentals					
1.1.1	NREMT Skills	Perform NREMT skills in preparation for certification examination.		P2	
1.2.1	Role of the Hospital Corps	Describe the past and present role of the Corpsman within the scope of Navy Medicine's Mission.	C1		
1.3.1	Force Health Protection	Explain the policies and supporting programs used by Corpsman in	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		Force Health Protection.			
1.4.1	BUMED	Describe Navy Medicine's basic organizational structure, function and mission	C1		
1.5.1	CBRNE	Explain medical procedures for Chemical, Biological, Radiological, Nuclear, Explosive and Hazardous Material situations	C2		
1.6.1	LOAC	Identify the concepts and principles of the Law of Armed Conflict in wartime scenarios	C2		
1.7.1	Introduction to Tactical Combat Casualty Care (TCCC)	Perform the process of triage		P2	
Unit 2 – Enhanced Assessment Program					
2.1.1	Introduction to Clinical Skills	Describe the scope of practice of the Hospital Corpsman	C1		
2.2.1	Preventive Medicine	Describe the concepts and methods of preventive medicine	C1		
2.3.1	Dental Emergencies	Describe the concepts and procedures of emergency dental care	C1		
2.4.1	Basic Lab	Identify basic laboratory equipment and uses	C1		
2.4.2		Identify different laboratory values and their significance	C1		
2.5.1	Outpatient Interview	Demonstrate S.O.A.P. note procedures		P1	
2.6.1	EAP Practicum	Perform patient assessment skills of the Apprentice level Hospital Corpsman		P2	
Unit 3 - Clinical					
3.1.1	Health Care Team Communication	Effectively communicate as a member of the health care team		P2	
3.1.2	Providing Patient Care	Provide primary patient care as a member of the health care team		P2	
3.1.3	Multi-Disciplinary Team Approach	Demonstrate the multidisciplinary team approach through interaction with ancillary care areas		P1	

NURS 101 Basic Nursing Fundamentals

Course Description:

This course provides the student with basic knowledge and skills needed to perform patient care within the parameters of the nursing specialty. Subjects presented in the curriculum include infection control, nursing technologies, interpersonal relationships and customer service, primary care optimization, focused basic inpatient and outpatient care. Course content complies with The Joint Commission (TJC), American Heart Association (AHA), Centers for Disease Control and Prevention (CDC) guidelines, American Nurses Association (ANA) standards and applicable service instructions. This course is a prerequisite for the Intermediate Nursing Fundamentals course.

Prerequisite(s): BMTC 105F or its approved equivalents, or BMTC 101N, Unit 1.

Course Goal(s):

The student will be able to perform entry level nursing skills in clinical, inpatient, and contingency environments.

Distribution of Contact Hours:

Unit #	Unit Title	Did 1:25	Int Did 1:12	Lab/Prac 1:06	Lab/Prac 1:12	Clin	Wtest 1:25	PTest	Other	Req'd Act.	Total
1	Basic Nursing Fundamentals Theory	7	0	0	0	0	3	0	0	0	10
2	Introduction to Infection Control	6	0	6	0	0	3	0	0	0	15
3	Documentation	6	2	0	0	0	3	0	0	0	11
4	Basic Nursing Fundamental Skills	15	0	0	17	0	3	0	0	0	35
Total		34	2	6	17	0	12	0	0	0	71

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 - Basic Nursing Fundamentals Theory					
1.1.1	Human Growth and Development and Aging Process	Identify the concepts of human growth, development and the aging process.	C1		
1.1.2		Identify the concepts of cultural diversity related to patient care.	C1		
1.2.1	Basic Medical/Ethical Issues	Identify the medical, ethical and legal issues related to patient care.	C1		
1.3.1	Patient Provider Communication	Describe the concepts of effective patient and provider communication.	C1		
1.4.1	Managed Care and TRICARE	Identify the basic concepts of managed care.	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 2 - Infection Control					
2.1.1	Introduction to Infection Control/Blood Borne Pathogens	Identify the concepts of infection control and blood borne pathogens.	C1		
2.1.2		Demonstrate standard procedures for infection control.		P1	
2.1.3		Perform standard procedures for hygiene precautions.		P2	
2.2.1	Standard Precautions	Identify the concepts of standard precautions.	C1		
2.2.2		Perform donning and doffing of sterile gown & gloves		P2	
2.3.1	Patient Isolation	Identify the concepts of patient isolation.	C1		
2.3.2		Perform isolation procedures.		P2	
2.3.3		Demonstrate the disposal of hazardous medical substances		P1	
Unit 3 - Documentation					
3.1.1	Basic Medical Documentation	Identify terms and abbreviations related to basic medical documentation.	C1		
3.2.1	General Patient Records	Explain the basic components of inpatient and outpatient health records.	C2		
3.3.1	Introduction to DoD Immunizations	Identify the principles of the DOD Immunization Program.	C1		
3.4.1	Inpatient/ Outpatient Documentation	Identify the basic documentation procedures of inpatient and outpatient forms.	C1		
3.4.2		Demonstrate documentation on selected inpatient and outpatient forms.		P1	
Unit 4 - Basic Nursing Fundamentals Skills					
4.1.1	Vital Signs	Explain the concepts and procedures for vital signs.	C2		
4.1.2		Perform a vital sign assessment.		P2	
4.2.1	Inpatient Care Assessment	Identify the concepts and principles of an inpatient physical assessment.	C1		
4.3.1	Patients with Special Needs	Identify the patient care considerations for patients with special needs.	C1		
4.4.1	Admissions/ Discharges	Identify admission and discharge responsibilities and procedures.	C1		
4.5.1	Pain Management	Identify the concepts of pain management.	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
4.6.1	Patient Movement and Safety	Identify the concepts and procedures of patient movement.	C1		
4.6.2		Perform patient movement.		P2	
4.6.3		Identify the concepts of cast care.	C1		
4.7.1	Restraints	Explain the concepts for patient restraint.	C2		
4.8.1	Hygiene and Skin Integrity	Explain the concepts for patient hygiene and bed making.	C2		
4.8.2		Perform patient hygiene and bed making procedures.		P2	

NURS 201 Intermediate Nursing Fundamentals

Course Description:

Training provides enlisted personnel entering the Basic Medical Technician Corpsman (BMTC) career field with the apprentice level knowledge and skills needed to perform at this level. Subjects in this curriculum include nutrition/elimination, specimen collection, medication administration, and intravenous therapy. Course content complies with Joint Commission, American Heart Association (AHA), Centers for Disease Control and Prevention (CDC) guidelines, American Nurses Association (ANA) standards, and Air Force, Navy and METC instructions. The course will equip graduates with the skill and knowledge required to perform intermediate nursing skills during normal duty and contingency operations.

Prerequisite(s): NURS 101 or its approved equivalents

Course Goal(s):

The student will be able to perform intermediate nursing skills in clinical, inpatient, and contingency environments.

Distribution of Contact Hours:

Unit #	Unit Title	Did 1:25	Int Did 1:12	Lab/Prac 1:01	Lab/Prac 1:04	Lab/Prac 1:06	Lab/Prac 1:12	Clin	W Test 1:25	P Test	Oth er	Req'd Act.	Total
1	Intake & Output	5	0	0	0	11	0	0	3	0	0	0	19
2	Intermediate Nursing Skills	8	3	25	0	0	0	0	3	0	0	0	39
3	Medication Administration	13	4	8	0	5	0	0	3	0	0	0	33
4	Intermediate Nursing Fundamentals	14	0	0	0	0	11	0	3	0	0	0	28
5	Nursing Synthesis Practicum	0	1	0	8	0	0	0	0	0	0	0	9
Total		40	8	33	8	16	11	0	12	0	0	0	128

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 – Intake and Output					
1.1.1	Nutrition	Explain the concepts of nutrition.	C2		
1.2.1	Intake and Output	Identify the principles of monitoring patient intake and output.	C1		
1.3.1	Nasogastric Tubes	Explain the concepts and procedures of nasogastric tube insertion, maintenance, feeding and removal.	C2		
1.3.2		Perform nasogastric tube insertion, maintenance and removal.		P2	
1.4.1	Urinary Catheters	Explain the concepts and procedures for urinary	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
		catheterization including sterility.			
1.4.2		Perform a urinary catheter insertion and removal.		P2	
Unit 2 – Intermediate Nursing Skills					
2.1.1	Urine, Stool, Sputum, and Throat Specimen Collection	Explain the basic concepts and principles for collecting and testing specimens.	C2		
2.1.2		Perform a throat culture.		P2	
2.2.1	Venipuncture	Explain the concepts and procedures of venipuncture.	C2		
2.2.2		Explain the concepts and procedures for capillary testing for glucose.	C2		
2.2.3		Demonstrate venipuncture to collect a laboratory specimen		P1	
2.2.4		Perform capillary testing to collect a laboratory specimen		P2	
2.3.1	Intravenous Therapy	Identify the concepts of intravenous therapy.	C1		
2.3.2		Identify the concepts of selected intravenous therapy procedures.	C1		
2.3.3		Perform selected intravenous therapy procedures.		P2	
Unit 3 – Medication Administration					
3.1.1	Introduction to Medication Administration	Identify the concepts of medication administration.	C1		
3.2.1	Pharmacology and Toxicology	Identify the concepts of pharmacology and toxicology.	C1		
3.3.1	Medical Calculations	Identify the concepts of basic medical calculations.	C1		
3.3.2		Perform medical calculations.		P1	
3.4.1	Oral Medications	Explain the concepts of oral medication administration.	C2		
3.5.1	Mucous Membrane Medications	Explain the concepts of mucous membrane medication administration.	C2		
3.5.2		Perform mucous membrane medication administration		P2	
3.5.3		Document medication administration		P1	
3.6.1	Parenteral Medications	Identify the concepts of parenteral medication administration.	C1		
3.6.2		Perform parenteral medication administration.		P2	
Unit 4 – Intermediate Nursing Fundamentals					
4.1.1	Pre/Post	Explain the concepts and principles	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
	Operative Care	of preoperative and postoperative nursing care.			
4.2.1	Respiratory Care	Explain the concepts and principles of respiratory care.	C2		
4.3.1	Wound Care and Management	Explain the concepts of wound care.	C2		
4.3.2		Perform wound care.		P1	
4.3.3		Perform heat and cold treatments.		P2	
4.4.1	Death and Dying	Explain the concepts of care for death and dying.	C1		
4.5.1	Inpatient Care Environment	Explain the guidelines and procedures for inpatient medical equipment use.	C2		
4.5.2		Perform an inpatient inventory and equipment check.		P1	
4.5.3		Perform patient transfers with selected medical equipment.		P2	
Unit 5 - Nursing Synthesis Practicum					
5.1.1	Nursing Synthesis	Perform patient care in an inpatient clinical setting.		P2	

BMTC 101F Aerospace Medical Service Apprentice (AMSA) Introduction

Course Description:

Training provides students entering the Aerospace Medical Service Apprentice (AMSA) career field with the knowledge and skills needed to perform at the apprentice level. Subjects in this curriculum include an overview of Air Force Medical Doctrine, AEF Aspects, Career Field Education and Training Plan, AFSC Duties, Special Duties, AFSC Shred outs, and the AMSA scope of practice. Course content complies with the Aerospace Medical Service Career Field Education and Training Plan (CFETP) and Air Force instructions. Upon completion of this course the AMSA will be able to identify basic facts and principles related to the Aerospace Medical Service mission.

Prerequisite(s): NURS 201 or its approved equivalents.

Course Goal(s):

Upon completion of this course the AMSA will be able to identify basic facts and principles related to the Aerospace Medical Service mission.

Distribution of Contact Hours:

Unit #	Unit Title	Did 1:25	Int Did	Lab/ Prac	Clin	Wtest 1:25	PTest	Other	Req'd Act.	Total
1	Aerospace Medical Services Mission	5	0	0	0	2	0	0	0	7
Total		5	0	0	0	2	0	0	0	7

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 – Aerospace Medical Services Mission					
1.1.1	Components of Military Healthcare System (MHS)	Identify basic facts and terms about the components of military health care.	C1		
1.2.1	4N0X1 Career Field	Identify basic facts and terms about the 4N0X1 career field progression.	C1		
1.3.1	Air Expeditionary Force (AEF) Concept	Identify basic facts and terms about Air Expeditionary Force (AEF) concept.	C1		

BMTC 103F Aerospace Medical service Apprentice Fundamentals

Course Description:

Training provides students entering the Aerospace Medical Service Apprentice (AMSA) career field with the knowledge and skills needed to perform at the apprentice level. Students will master subjects including aerospace physiology effects, aircraft mishaps, patient care environment, line of duty determinations, medical databases, records review, documenting patient care, performing visual screening, physical examination preparation, cardiac monitoring procedures and aerospace medicine. Course content complies with Joint Commission, American Heart Association (AHA), Centers for Disease Control and Prevention (CDC) guidelines, American Nurses Association (ANA) standards and Air Force and METC instructions. Upon completion of this course, the (AMSA) will be able to perform entry level medical and administrative tasks.

Prerequisite(s): BMTC 101F

Course Goal(s):

Upon completion of this course, the (AMSA) will be able to perform specified entry level medical and administrative tasks.

Distribution of Contact Hours:

Unit #	Unit Title	Did 1:25	Int Did 1:12	Lab/ Prac 1:06	Clin	Wtest 1:25	PTest	Other	Req'd Act.	Total
1	Safety/Resource Protection	4	0	0	0	2	0	0	0	6
2	The Medical Technician's Role in the Aerospace Medicine Program	9	1	0	0	2	0	0	0	12
3	Air Force Specific Medical Documentation	11	8	0	0	2	0	0	0	21
4	Visual Screening	3	0	6	0	2	0	0	0	11
5	Outpatient Exam Preparation Lab	4	0	0	0	2	0	0	0	6
6	Special Topics in Nursing	6	1	8	0	2	0	0	0	17
Total		37	10	14	0	12	0	0	0	73

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 - Safety/Resource Protection					
1.1.1	Basic Safety Principles	Explain Basic Safety Principles regarding military resources.	C2		
1.2.1	Specific Resources and Vulnerabilities	Identify basic facts about specific resources and vulnerabilities for the 4N0X1.	C1		
1.3.1	Hazard Resource Protection Plan	Identify simple facts related to hazard resource protection programs	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
1.4.1	Environmental and Material Resource Protection	Identify basic facts and terms related to environmental and material resource protection.	C1		
Unit 2 - The Medical Technician's Role in the Aerospace Medicine Program					
2.1.1	Aerospace Medicine Mission and Flight Personnel	Identify basic facts and terms related to the aerospace medicine mission and flight personnel assigned to the program.	C1		
2.2.1	Aerospace Medical Dispositions	Identify basic facts and terms for maintaining Aerospace Medical Dispositions.	C1		
2.3.1	Aerospace Physiology and the effects on the body	Identify basic facts and terms related to Aerospace Physiology and its effects on the body.	C1		
2.4.1	Aircraft Mishaps	Identify basic roles and procedures for performing aircraft and mishaps investigations and patient processing.	C1		
Unit 3 - Air Force Specific Medical Documentation					
3.1.1	Primary Care Team Responsibilities	Identify basic facts and terms related to the AF's Primary care Management and Optimization concepts.	C1		
3.2.1	Line of Duty Determinations (LOD)	Identify basic facts and terms regarding the requirements for completing LODs.	C1		
3.3.1	Outpatient Medical Records	Explain basic facts and terms regarding the requirements for maintaining outpatient medical records.	C2		
3.4.1	Databases	Identify the purpose of the following military preventative health database: Preventive Health Assessment and Individual Medical Readiness (PIMR), Composite Health Care System (CHCS) /Armed Forces Health Longitudinal Technology Application (AHLTA), Aeromedical Information Management Waiver Tracking System (AIMWTS), Physical Examination Processing Program (PEPP), Air Force Complete Immunization Tracking Application (AFCITA).	C1		
3.4.2		Explain how to update the PIMR database.	C2		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
3.5.1	Outpatient Documentation	Identify basic facts and terms about preparing and documenting patient information on specific medical forms.	C1		
3.5.2		Document patient care.		P1	
3.6.1	Physical Exams	Identify basic facts and terms for completing physical examinations.	C1		
		Dental types and classifications	C1		
3.6.2		Document patient examination and care.		P1	
Unit 4 - Visual Screening					
4.1.1	Visual Screening	Define basic terms related to visual screening tests.	C1		
4.1.1		Perform visual screening IAW service requirements.		P2	
Unit 5 - Outpatient Exam Preparation Lab					
5.1.1	Outpatient Procedures	Explain the purpose and set-up of selected outpatient procedures.	C2		
Unit 6 - Special Topics in Nursing					
6.1.1	Aeromedical Evacuation Litter	Perform Patient Transfer using an Aeromedical Evacuation Litter.		P2	
6.2.1	Electro-sensitive Patients	Identify special requirements for the dialysis patients	C1		
6.3.1	Dialysis Patients	Identify special requirements for the electrosensitive patient.	C1		
6.4.1	Cardiac Conduction and Life-Threatening Arrhythmias	Identify simple facts and terms related to the cardiac conduction system and life-threatening arrhythmias.	C1		
6.5.1	Cardiac Monitor/Defibrillator/External Pacemaker Preparations	Recall steps for setting-up a cardiac monitor/defibrillator and external pacemaker.	C1		
6.5.2		Demonstrate cardiac monitor, defibrillator, and external pacemaker set-up procedures.		P1	
6.6.1	12-Lead EKG	Demonstrate steps for performing a 12-lead EKG.		P1	

BMTC 106F Expeditionary Medical Readiness Course (EMRC)

Course Description:

This course provides practical and didactic training, with an orientation to all continuing Medical Readiness Training (MRT) core topics to: active duty, AFRC and ANG personnel attending 3-level medical/dental AFSC awarding courses. Student will gain emergency medical readiness and deployment skills in a field hospital's surgical suite and sterile processing and supply areas.

Prerequisite(s): None.

Course Goal(s):

Student will gain emergency medical readiness and deployment skills in a field hospital's surgical suite and sterile processing and supply areas.

Distribution of Contact Hours:

Unit #	Unit Title	Did 1:25	Int Did	Lab/ Prac 1:06	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Expeditionary Medical Readiness	7.5	0	8	0	0	0	0.5	0	16
Total		7.5	0	8	0	0	0	0.5	0	16

Course Objectives and Levels of Learning:

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
Unit 1 – Expeditionary Medical Readiness					
1.1.1	USAF Medical Service Mission and Doctrine	Identify facts and principles pertaining to USAF Medical Service Mission and Doctrine	C1		
1.2.1	Combat Stress Control	Identify facts and principles of combat stress control management and Brevity Immediacy Centrality Expectancy Proximity Simplicity (BICEPS)	C1		
1.3.1	Site Selection/ Shelter Assembly	Working as a team, erect an Alaska Small Shelter System (AKSS)		P2	
1.3.2		Identify facts and principles of field sanitation, hygiene and disease prevention	C1		
1.3.3		Working as a team, strike an Alaska Small Shelter System (AKSS)		P2	
1.4.1	Threat and Future Battlefield Environment	Identify facts and principles of foreign and domestic sources of danger to U.S. Forces	C1		
1.4.2		Identify facts and principles of future battlefield settings, new weaponry and impact to health protection	C1		
1.5.1	Command,	Identify facts and principles of	C1		

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psycho-motor	Affective
	Control, Communication and Medical Intelligence	systems directly related to day-to-day operations in support of operational missions			
1.6.1	Medical Effects of NBC Warfare	Identify medical effects of NBC warfare	C1		
1.6.2		Identify facts and principles associated with diagnosing and treating casualties wounded/contaminated by Depleted Uranium (DU)	C1		
1.7.1	Casualty Movement	Demonstrate patient transport by using the correct litter commands		P2	
1.7.2		Demonstrate transport sequences and vehicle loading/unloading procedures		P2	
1.7.3		Demonstrate proper triage techniques and management of mass casualties		P2	