

# Medical Education and Training Campus (METC)

## Independent Duty Medical Technician (IDMT) Program

Air Force L5ALJ4N051C00AB Independent Duty Medical Technician (4N051C)

### Curriculum Plan



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### Change Record

Item to Change	Description	Date Approved

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 of this course is group-paced. Provides mandatory training for members of the 4N0X1 career field prior to being assigned to operate a medical aid station at a remote or isolated duty station; provide medical support to a non-medical field unit; or provide medical support to other government agencies and joint service missions as directed by DoD. Course instruction includes: obtaining medical histories, examining, assessing, treating and documenting patient care encounters. Includes training in emergency medical, dental, and surgical procedures to stabilize patient condition until evacuation for definitive care can occur. Provides general knowledge and procedural skill in medical administration. Monitoring medical aspects of special interest programs and health promotions. Provides instruction on advanced medication administration and dispensary operation IAW AFI 44-103, and low complexity laboratory procedures. Also, addresses procedures for conducting preventive medicine and food safety inspection in lieu of public health and bioenvironmental health personnel. Upon completion, the graduate is eligible for CCAF hours, NREMT continuing education hours, and the training also qualifies as NREMT Refresher Training, Graduate is awarded the "C" shred on the AFSC (4N0X1C) and assigned a National Provider Identifier.

### **Enrollment Data:**

Minimum Enroll: 6  
Maximum Enroll:12  
Programmed: 12  
Entry Interval: 16

### **Program Goal(s):**

Renders medical, dental, and emergency treatment at home station, deployed locations, remote sites and alternate care locations. Recommends and coordinates evacuations for definitive medical treatment. Performs pharmacy, laboratory, bioenvironmental, immunizations, public health, medical logistics and medical administration duties. Establishes preceptorship and provides forward area health care IAW applicable guidelines in an austere or bare-base environment.

### **PDS Code Phase I:**

OW7

### **Security Classification:**

Unclassified

### **Instructional Design:**

Group Paced

### **Accreditation Statement(s):**

This program is evaluated for credit through the Community College of the Air Force (CCAF). The Medical Education and Training Campus is accredited by the Council on Occupational Education (COE).

Community College of the Air Force (CCAF)  
100 South Turner Blvd  
Maxwell-Gunter AFB, AL 36114-3011  
(334) 649-5000

<http://www.au.af.mil/au/barnes/ccaf/accreditation.asp>

Council on Occupational Education (COE)  
[www.council.org](http://www.council.org)

### **Student Prerequisites:**

Air Force specific: Air Force specific: See the Education & Training Course Announcements (ETCA) site:

<https://etca.randolph.af.mil/default1.asp>

1. Prior qualification in and possession of PAFSC 4N051/71 and 3 years' experience practicing as a 4N0XX with two years of direct patient care time.
2. Normal color vision as defined in AFI 48-123, Medical Examinations and Standards.
3. Profile consistent with WWD
4. Completion of IDMT prerequisite checklist

### **Program Synopsis by Course:**

This program consists of multiple courses. All courses must be completed successfully to pass this program.

#### **IDMT 101 Non-Clinical Responsibilities**

Introductory course in medical administration, Bioenvironmental Engineering, and Public Health. Instruction defines administrative scope of practice, operational reporting, records management, administration of various medical programs, principles of public health, preventive medicine, food and water safety, industrial hygiene, occupational health, and epidemiology.

Prerequisite(s): None

#### **IDMT 201 Anatomy, Physiology, and Physical Exams**

This course outlines anatomy, physiology and techniques necessary to complete a comprehensive physical examination of the human body.

Prerequisite(s): CDC 4N051 Vol. 3, Anatomy and Physiology.

#### **IDMT 102 Field Medicine**

This course focuses on medical care conducted in a field setting, independent from a medical treatment facility. Includes advanced airway management, triage, CBRN casualty management, intravenous therapy and evacuation, emergency management of environmental injuries, poisonous bites and stings, child birth, and victims of violent crimes.

Prerequisite(s): Admission into the program

### IDMT 202 Clinical Medicine

This course provides pharmacology, basic laboratory assessments, and systemic review of signs, symptoms, and treatments of medical conditions likely to be encountered in military populations.

Prerequisite(s): IDMT 102, CDC 4N051 Vol. 3, Anatomy and Physiology.

### IDMT 301 Clinical Applications

Provides students with hands-on training and evaluation in an acute care setting under the purview of a licensed medical provider.

Prerequisite(s): IDMT 201, IDMT 202, CDC 4N051 Vol. 3, Anatomy and Physiology

### IDMT 103 Critical Medicine

Two-part course focuses on management of multi-system trauma patients and patients requiring emergency cardiac care.

Prerequisite(s): Current Basic Life Support and NREMT certifications, IDMT 301

### Program Length Courses

Course	Course Title	Did	Lab/ Prac	Clin	WTest	PTest/ PPC	Other	Req'd Act.	Total
IDMT 101	Non-Clinical Responsibilities	24	5		2	3			34
IDMT 201	Anatomy, Physiology, and Physical Exams	56	51		4	10			121
IDMT 102	Field Medicine	17	9		2	3			31
IDMT 202	Clinical Medicine	159	2		6	1			168
IDMT 301	Clinical Applications	6	60			60			126
IDMT 103	Critical Medicine		28			4	5		37
	<b>TOTAL</b>	<b>262</b>	<b>155</b>		<b>14</b>	<b>81</b>	<b>5</b>		<b>517</b>

Key		
Didactic	Did	Instructor/self-paced formats for dissemination of information
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	Course Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.
IDMT 101	Non-Clinical Responsibilities	1:12	1:12 1:6		1:12	1:12 1:6		
IDMT 201	Anatomy, Physiology, and Physical Exams	1:12	1:6		1:12	1:1		
IDMT 102	Field Medicine	1:12	1:1 2:12		1:12	1:12 2:12		
IDMT 202	Clinical Medicine	1:12			1:12			
IDMT 301	Clinic Applications	1:12	2:4			2:4		
IDMT 103	Critical Medicine		1:4 2:12			1:4 2:12	1:12	
	<b>TOTAL</b>							

\*Note: Ensure that the ratios are listed for each course in this table

**Program Length Peacetime:**

		METC	Army	Navy	Air Force	Coast Guard
<b>Phase I Hours<sup>1</sup></b>	Didactic	262			262	
	Lab/Practical	155			155	
	Written Test <sup>2</sup>	14			14	
	Practical Test/PPC	81			81	
	Army Specific STX					
	Other (admin)				5	
	Required Activities					
		512			517	
<b>Clinical/ Phase II Hours</b>	Didactic					
	Lab/Practical					
	Clinical					
	Written Test					
	Practical Test					
	Other (admin)					
	Required Activities					
<b>Total Hours</b>		<b>512</b>			<b>517</b>	



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<sup>1</sup> An 8 hour training day is the standard; exceptions are noted

<sup>2</sup> Time for end of course critique included in hours for last written exam in each course

### Program Length Mobilization/Wartime:

		METC	Army	Navy	Air Force	Coast Guard
Phase I Hours	Didactic					
	Lab/Practical					
	Written Test					
	Practical Test					
	Other					
	Required Activities					
Clinical/ Phase II Hours	Didactic					
	Lab/Practical					
	Clinical					
	Written Test					
	Practical Test					
	Other					
	Required Activities					
<b>Total</b>						

### Faculty Qualifications:

Instructors must have completed the METC Orientation, Instructor Competency Develop Training (ICDT) and equivalent Service instructor course. Instructors also must have completed a teaching internship and have all appropriate subject-matter qualifications. They must possess the following instructor credentials for their respective services: T44F3/T43/T4N091/T4N071C. Instructors must possess at least an Associate's degree or be within twelve months of completion of all degree requirements upon arrival to METC.

Air Force Specific: Refer to the current Air Force Enlisted Classification Directory (AFECD) at: <https://gum.afpc.randolph.af.mil/>

In the search box, enter "Enlisted Classification" to access most recent directory.

### Prior to beginning teaching in METC, instructors:

#### Enlisted Instructors must:

1. Graduate from the Air Force's IDMT Course.
2. Complete basic instructor training course and METC faculty orientation.
3. Possess current BLS and EMT certification.
4. Attain Associate's degree or within 12 credit hours to be completed within 12 months.
5. Complete PHTLS/ACLS Instructor certification prior to teaching related topics.

#### Officer Instructors must:

1. Complete basic instructor training course and METC faculty orientation.
2. Possess current BLS, and ACLS certification.
3. Possess current board certification for specialty.
4. Complete PHTLS/ACLS Instructor certification prior to teaching related topics.
5. Obtain credentials/privileges at host medical treatment facility prior to teaching in clinic.

## Section 2: Course Descriptions and Objectives

### IDMT 101 Non-Clinical Responsibilities

#### Course Description:

Introductory course in medical administration, Bioenvironmental Engineering, and Public Health. Instruction defines administrative scope of practice, operational reporting, records management, administration of various medical programs, principles of public health, preventive medicine, food and water safety, industrial hygiene, occupational health, and epidemiology.

#### Course Goals:

Identify basic facts and state principles pertaining to various IDMT non-clinical responsibilities.

#### Distribution of Contact Hours:

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
	Welcome and Orientation	2							2
1	IDMT Admin	2							2
2	Medical Record Systems	1	1			1			3
3	Record Actions	3							3
4	Administrative Support	1							1
5	Operational Reporting	3							3
6	Drug Demand Reduction Program	2							2
7	Occupational Health	2							2
8	Cummunicable Disease Prevention and Monitoring	1							1
9	Inspect Public Gathering Places	2	3			1			8
10	Water Surveillance	1	1			1			3
11	Waste Management	1							1
12	Medical Intelligence	1							1
	Written Test/Review	2			2				2
<b>Total</b>		<b>24</b>	<b>5</b>		<b>2</b>	<b>3</b>			<b>34</b>

**Course Objectives and Levels of Learning:**

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psychomotor	Affective
<b>Unit 1: IDMT Admin</b>					
1.1.1	Career Field Based Administration	Identify the relationship between basic facts and general principles with regard to IDMT career field based administration	C2		
<b>Unit 2: Medical Records Systems</b>					
2.1.1	Medical Records	Identify the relationship between basic facts and general principles with regard to medical records systems	C2		
2.1.2	Medical Records	Demonstrate how to properly document a military health record		P3	
<b>Unit 3: Record Actions</b>					
3.1.1	Medical Record Actions	Identify the relationship between basic facts and general principles with regard to record actions	C2		
<b>Unit 4: Administrative Support</b>					
4.1.1	Administrative Support	Identify the relationship between basic facts and general principles with regard to administrative roles in managing specific medical administrative actions	C2		
<b>Unit 5: Operational Reporting</b>					
5.1.1	Operational Reporting	Identify the relationship between basic facts and general principles with regard to operational reporting	C2		
<b>Unit 6: Drug Demand Reduction Program</b>					
6.1.1	Drug Demand Reduction Program	Determine the step by step procedures for the administration of the drug demand reduction program	C2		
6.2.1	Medical Evidence Protection	Identify operating principles regarding chain of custody determination and medical evidence protection	C2		
<b>Unit 7: Occupational Health</b>					
7.1.1	Occupational Health	Identify the relationship between basic facts and general principles with regard to occupational health	C2		
<b>Unit 8: Communicable Disease Prevention and Monitoring</b>					
8.1.1	General Principles to Public Health	Identify the relationship between basic facts and general principles with regard to public health	C2		

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Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psychomotor	Affective
<b>Unit 9: Inspect Public Gathering Places and Food Facilities</b>					
9.1.1	Administer Food Safety Program	Administer the food safety program			P3
9.2.1	Inspection of Barber/Beauty Shops	Determine step by step procedures for the inspection of barber/beauty shops	C2		
9.3.1	Dormitory Inspections	Determine step by step procedures for the inspection of dormitories	C2		
9.4.1	Other Facilities	Identify basic facts about the inspection of public gathering places	C2		
<b>Unit 10: Water Surveillance</b>					
10.1.1	Water Surveillance	Identify the relationship between basic facts and general principles with regard to water surveillance	C2		
10.1.2	Water Testing	Perform water testing			P3
<b>Unit 11: Waste Management</b>					
11.1.1	Waste Management	Identify the relationship between basic facts and general principles with regard to waste management	C2		
<b>Unit 12: Medical Intelligence</b>					
12.1.1	Medical Intelligence	Identify the relationship between basic facts and general principles with regard to medical intelligence	C2		

**IDMT 201 Anatomy, Physiology, and Physical Exams**

**Course Description:**

Course outlines anatomy, physiology and techniques necessary to complete a comprehensive physical examination of the human body.

**Course Goals:**

To provide a thorough understanding of the the structures and functions of the various human body systems and the proper respective physical examination techniques.

**Distribution of Contact Hours:**

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Anatomy and Physiology	56							56
2	Physical Exams		51			10			61
	Written Test/Review				4				4
<b>Total</b>		<b>56</b>	<b>51</b>		<b>4</b>	<b>10</b>			<b>121</b>

**Course Objectives and Levels of Learning:**

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psychomotor	Affective
<b>Unit 1: Anatomy and Physiology</b>					
1.1.1	Human Body Systems	Analyze the normal structure and functions of human body systems		C3	
<b>Unit 2: Physical Exams</b>					
2.1.1	Perform patient Examinations	Perform a patient examination			P3
2.2.1	Gynecological Exams	Perform a gynecological examination			P2

**IDMT 102 Field Medicine****Course Description:**

Course focuses on medical care conducted in a field setting, independent from a medical treatment facility. Includes advanced airway management, triage, CBRN casualty management, intravenous therapy and evacuation, emergency management of environmental injuries, poisonous bites and stings, child birth, and victims of violent crimes.

**Course Goals:**

To provide a comprehensive overview of the various aspects of field medicine.

**Distribution of Contact Hours:**

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Patient Movement and Field Considerations	2	1			1			4
2	Parental Therapy	1							1
3	Minor Surgical Procedures	1							1
4	Emergency Medicine	8							8
5	Airway Management	5	8			2			15
	Written Test/Review				2				2
<b>Total</b>		<b>17</b>	<b>9</b>		<b>2</b>	<b>3</b>			<b>31</b>

**Course Objectives and Levels of Learning:**

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psychomotor	Affective
<b>Unit 1: Patient Movement and Field Considerations</b>					
1.1.1	Field Medicine	Identify the relationship between basic facts and general principles with regard to field medicine	C2		
1.2.1	Field Triage	Perform field triage		P3	
<b>Unit 2: Parenteral Therapy</b>					
2.1.1	Parenteral Therapy	Analyze the administration of parenteral therapy	C3		
<b>Unit 3: Minor Surgical Procedures</b>					
3.1.1	Minor Surgery	Identify operating principles for the performance of minor surgical procedures	C2		
<b>Unit 4: Emergency Medicine</b>					
4.1.1	Emergency Field Medicine	Identify the relationship between basic facts and general principles with regard to emergency field medicine	C2		
4.2.1	Victims of Violent Crimes	Identify the relationship between basic facts and general principles with regard to the management of victims of violent crimes	C2		

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Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psychomotor	Affective
4.3.1	Obstetrical Emergency	Determine step by step procedures for the management of obstetrical emergencies		C2	
<b>Unit 5: Airway Management</b>					
5.1.1	Advanced Airway Management	Perform advanced airway management			P3

**IDMT 202 Clinical Medicine****Course Description:**

Course provides pharmacology, basic laboratory assessments, and systemic review of signs, symptoms, and treatments of medical conditions likely to be encountered in military populations.

**Course Goals:**

To provide thorough understanding of the various medical disorders with respect to the human body systems and the techniques used to assess and treat each condition.

**Distribution of Contact Hours:**

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Medication Administration	1							1
2	Medical Laboratory		1			1			2
3	Pharmacology	15	1						16
4	Patient Disorders	143							143
	Written Test/Review				6				6
<b>Total</b>		<b>159</b>	<b>2</b>		<b>6</b>	<b>1</b>			<b>168</b>

**Course Objectives and Levels of Learning:**

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psychomotor	Affective
<b>Unit 1: Medication Administration</b>					
1.1.1	Medication Administration	Draw conclusions about medication administration		C3	
1.2.1	IV Medication	Determine the appropriate administration of IV medication		C2	
<b>Unit 2: Medical Laboratory</b>					
2.1.1	Macro Urinalysis	Perform macro urinalysis			P3
2.2.1	Rapid Reagent Tests	Perform rapid reagent tests			P3
2.3.1	Chemical Blood Analyzer	Determine step by step procedures for the use of a portable chemical blood analyzer		C2	
<b>Unit 3: Pharmacology</b>					
3.1.1	Commonly Used Medication	Draw conclusions regarding the identification and use of commonly used medication.		C3	
3.2.1	Maintenance of Medications	Draw conclusions regarding the accountability and maintenance of medications		C3	
3.3.1	Dispensing Criteria for Medications	Draw conclusions regarding the dispensing criteria for medications		C3	



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Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psychomotor	Affective
3.4.1	Prescription Criteria for Medications	Draw conclusions regarding the prescribing criteria for medications.	C3		
3.5.1	Controlled Medication Inventory	Draw conclusions regarding the inventory of controlled medications	C3		
3.6.1	Maintain AF 579	Demonstrate how to properly maintain AF 579		P3	
<b>Unit 4: Patient Disorders</b>					
4.1.1	Physiologic Body Systems	Draw conclusions about common and life threatening patient disorders associated with the various physiologic body systems.	C3		
4.2.1	Psychological Disorders	Identify the relationship between basic facts and general principles with regard to psychological disorders	C2		

**IDMT 301 Clinical Applications**

**Course Description:**

Provides students with hands-on training and evaluation in an acute care setting under the purview of a licensed medical provider

**Course Goals:**

To provide direct oversight and assessment of each student while examining and treating patients.

**Distribution of Contact Hours:**

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Clinical Applications	6	60			60			126
<b>Total</b>		<b>6</b>	<b>60</b>			<b>60</b>			<b>126</b>

**Course Objectives and Levels of Learning:**

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psychomotor	Affective
<b>Unit 1: Clinical Applications</b>					
1.1.1	Medical History	Obtain and record medical histories			P3
1.2.1	Treatment Plans	Formulate diagnosis and treatment plans			P3

**IDMT 103 Critical Medicine**

**Course Description:**

Two-part course focuses on management of multi-system trauma patients and patients requiring emergency cardiac care.

**Course Goals:**

Provide certification in advanced cardiac life support and tactical combat casualty care.

**Distribution of Contact Hours:**

Unit #	Unit Title	Did	Lab/ Prac	Clin	WTest	PTest	Other	Req'd Act.	Total
1	Critical Medicine		28			4	5		37
<b>Total</b>			<b>28</b>			<b>4</b>	<b>5</b>		<b>37</b>

**Course Objectives and Levels of Learning:**

Learning Objective #	Lesson Name	Lesson Objective	Level of Learning		
			Cognitive	Psychomotor	Affective
<b>Unit 1: Critical Medicine</b>					
1.1.1	Manage Multiple System Trauma Patient	Manage a multiple system trauma patient			P3
1.2.1	Perform Emergency Cardiac Care	Perform emergency cardiac care			P3