

MOS ROADMAP



MOS(s): 1361-1371

TITLE(s): ENGINEER ASSISTANT - COMBAT ENGINEER

Current as of: 3/28/2009

"Leadership is the sum of those qualities of intellect; human understanding, and moral character that enables a person to inspire and control a group of people successfully." John A. Lejeune

More than any time in the past, Marines, officers and enlisted, are expected to intelligently manage their respective careers. Many tools exist to accomplish this, and therein is the problem. The amount of printed and web-based material available to individual Marines is nearly overwhelming. The Training and Education Command, through its schools and course directors has aided in simplifying the problem through the production of MOS Roadmaps.

MOS Roadmaps are intended to aid you in making intelligent decisions regarding your career path, regardless of whether that career spans four years or thirty years. The Marine Corps depends on the professionalism of all of its members, private through general officer, and it is critical that you understand the training and education expectations of the Corps and the options available to you through each phase of your Marine Corps service. Likewise, leaders at all levels are expected to utilize the MOS Roadmaps to mentor their Marines in sound training and education decisions.

The MOS structure of the Marine Corps is the very bedrock supporting our organization for combat. It is critical that every Marine be an expert in his/her MOS. Toward that end, the MOS Roadmaps emphasize what every Marine must do to achieve that high level of MOS expertise, and provides numerous recommendations for enhancement training that will add to those skills. Also, since all Marines eventually return to civilian life, this MOS Roadmap will guide you through the professional certificate or apprenticeship program, if such a program is applicable to your MOS.

Marines, more than any other segment of our society, are lifelong learners. All Marines are encouraged to voluntarily continue their education and to actively pursue the next level. This MOS Roadmap contains voluntary education recommendations. Make good use of them.

TRAINING AND EDUCATION CONTINUUM AND MOS ROADMAPS

MOS Roadmaps. Successful leadership is the key to combat readiness and will always require a high degree of technical skill, professional knowledge, and intellectual development. Marines achieve superiority in all three through a combination of MOS skill training, professional military education, and pursuit of off-duty, voluntary education. It is not always clear, however, when, where and how to optimize each. To assist Marines the Marine Corps' schools and course directors have developed MOS Roadmaps.

What is a MOS Roadmap? MOS Roadmaps are just what the name implies - a roadmap through the Training and Education Continuum from Private through Master Gunnery Sergeant - a roadmap to success in the Marine Corps.

What is a Training and Education Continuum? Training and Education Continuums are the combination of skill training, professional education, well-rounded assignments, and voluntary education. As you progress through your career, your skill training diminishes while professional military education gradually increases. Experience is the ever-present constant that determines the rate at which a Marine trades skill training for professional development.

Do Marines have to follow the Roadmap? Yes and no. The MOS Roadmap includes the three areas encompassed by the Continuum: MOS and other skill training, Professional Military Education, and Voluntary Education.

Some training and education is mandatory (Recruit Training, MCT, MOS School, etc...). Some may be directed by your chain of command (Operator or Safety courses), and the remainder is voluntary (MCI, MarineNet, college courses, etc.). Marines are advised to seek out mentors, including your OIC, SNCOIC, and unit Career Planner, and to make use of your Base Education office's vast resources. All are uniquely qualified to help you along the way. Remember, MOS Roadmaps are a guide, but as always, there are several ways to get where you want to go.

How do I get started? You already have. All your training up to this point is part of your MOS Roadmap. Now it is up to you to keep on course.

How to read this roadmap. This roadmap consists of MOS/rank components. Each component is broken down into the following sections:

Required Skill Training - This section list courses that are required to maintain proficiency in your MOS at certain ranks.

Recommended Skill Training - This section list courses that are recommended to help aid you in your MOS proficiency.

Recommended Billet Assignments - This section lists various billets/duties within your MOS that provide opportunities for leadership, responsibility, and promote career enhancement.

Recommended MOS-Related Distance Learning Courses - This section list Distance Learning Courses that relate to your MOS and promote proficiency.

Questions concerning the Required Skills Training, Recommended Skills Training, Recommended Billet Assignments, and Recommended MOS-Related Distance Learning Courses should be referred to the School responsible for the content.

Exception and Free Billets - This section provides recommended "E" and "F" billets/duties that are outside your MOS, but are available to you based upon your rank.

Recommended General Distance Learning Courses - This section list Distance Learning Courses that are recommended for a specific rank but apply to all MOSs.

Questions concerning the Exception and Free Billets, and Recommended General Learning Courses content should be referred to: Mr. Timothy Connolly, TECOM, G-3 Current Operations, Daly Hall, Quantico, VA 22134. (703) 784-1429, DSN 278-1429

Required Professional Military Education (PME) - This section list PME courses that are required based upon your rank.

Recommended PME - This section list PME courses that are recommended based upon your rank.

Professional Reading - This section list books selected from the Professional Reading List that are recommended by rank.

Questions concerning the Required Professional Military Education (PME), Recommended PME, and Professional Reading content should be referred to: Director, EPME, MCU, Quantico, VA 22134. (703) 784-4018, DSN 278-4018.

Questions concerning this Roadmap may be directed to:

Commanding Officer, Marine Corps Detachment
U. S. Army Engineer School
Building 841E
Ft. Leonard Wood, MO 65473-5000, US
DSN 5818007 , 5817059
Com 5735960759

----- 1361 - Pvt -----

REQUIRED SKILL TRAINING

Course Title	Course Location	CID	ACE ID
Section Note: Technical Engineer Assistants Course	Ft Leonard Wood MO.	A1614D1.	

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CID	ACE ID
Section Note: Surveyor Assistant	USAMP	0551M	
Section Note: Drafter, Architectural	USAMP	0126N	
Section Note: Drafter, Civil	USMAP	0128N	

RECOMMENDED CATEGORY 1 BILLET ASSIGNMENTS

Description
Section Note: Basic Draftsman and Surveyor
Section Note: Special duty assignments (MCO P1326.6D)
Section Note: Marine Security Guard-8151 Lance Corporal)
Section Note: Marine Corps Security Forces Guard (8152) Lance Corporal)
Section Note: Marine Corps Forces Close Quarters battle team- 8154 (Lance Corporal)

EXCEPTION AND FREE BILLETS

There are no items in this section

REQUIRED PME (REF: MCO P1553.4)

There are no items in this section

RECOMMENDED PME (REF: MCO P1553.4)

There are no items in this section

PROFESSIONAL READING

Title	Author
First to Fight	Victor Krulak
MCDP 1 - Warfighting	U.S. Marine Corps
A Message To Garcia	Elbert Hubbard
Rifleman Dodd	C.S. Forster
The Soldier's Load	S.L.A. Marshall
The Ugly American	W. J. Lederer and E. Burdick
Enders Game	Orson Scott Card

RECOMMENDED VOL ED MOS-RELATED DL COURSES

Course Title	CID	ACE ID
Section Note: The Basic Engineer; Combat Operations,	1373	MC-1601-0055
Section Note: Land Mine Warfare ; Course	1374	MC 1601-0041
Section Note: Construction Print Reading; Course ID# 1344C		

RECOMMENDED VOL ED GENERAL DL COURSES

Course ID	Description	ACE ID
0112CP	COUNSELING FOR MARINES	MC-1406-0032
0118KP	SPELLING	
0119HP	PUNCTUATION	
0131KP	CORRESPONDENCE PROCEDURES	
0210CP	TERRORISM AWARENESS	
Course Note: This course is available on CD-ROM (0214AC) and on the web (0215AO).		
0354BP	DESERT OPERATIONS	
0416AP	THE MARINE CORPS PUBLICATIONS AND DIRECTIVES SYSTEM	
0861@P	BASIC FORWARD OBSERVATION PROCEDURES	
1334HP	MATH FOR MARINES	MC-1107-0001

Course Note: This course is available on CD-ROM (1381@E, 1381@C) and on the web (1382@O).

- 2525AP COMMUNICATIONS SECURITY
- 3420FP PERSONAL FINANCIAL MANAGEMENT

Course Note: This course is available on CD-ROM (3425AC) and on the web (3426AO).

- 4133@P SEMPER FIT BASIC FITNESS COURSE
- 2538AP SINGLE CHANNEL GROUND AIRBORNE RADIO SYSTEM
- 0336@P SCOUTING AND PATROLLING
- 0370BP THE MARINE RIFLEMAN: COMBAT SKILLS
- 0326@P STABILITY AND SUPPORT OPERATIONS
- 2526BP INTRODUCTION TO ELECTRONIC WARFARE
- 0055@O HAZARDOUS MATERIAL/HAZARDOUS WASTE MARINE (WEB)

MC-2204-0152

Course Note: This course is available on CD-ROM (0054@C).

----- **1361 - PFC** -----

REQUIRED SKILL TRAINING

There are no items in this section

RECOMMENDED SKILL TRAINING

There are no items in this section

RECOMMENDED CATEGORY 1 BILLET ASSIGNMENTS

There are no items in this section

EXCEPTION AND FREE BILLETS

There are no items in this section

REQUIRED PME (REF: MCO P1553.4)

There are no items in this section

RECOMMENDED PME (REF: MCO P1553.4)

There are no items in this section

PROFESSIONAL READING

Title	Author
First to Fight	Victor Krulak
MCDP 1 - Warfighting	U.S. Marine Corps
A Message To Garcia	Elbert Hubbard
Rifleman Dodd	C.S. Forster
The Soldier's Load	S.L.A. Marshall
The Ugly American	W. J. Lederer and E. Burdick
Enders Game	Orson Scott CARD

RECOMMENDED VOL ED MOS-RELATED DL COURSES

There are no items in this section

RECOMMENDED VOL ED GENERAL DL COURSES

Course ID	Description	ACE ID
0112CP	COUNSELING FOR MARINES	MC-1406-0032
0118KP	SPELLING	
0119HP	PUNCTUATION	
0131KP	CORRESPONDENCE PROCEDURES	
0210CP	TERRORISM AWARENESS	

Course Note: This course is available on CD-ROM (0214AC) and on the web (0215AO).

- 0354BP DESERT OPERATIONS
- 0416AP THE MARINE CORPS PUBLICATIONS AND DIRECTIVES SYSTEM
- 0861@P BASIC FORWARD OBSERVATION PROCEDURES
- 1334HP MATH FOR MARINES

MC-1107-0001

Course Note: This course is available on CD-ROM (1381@E, 1381@C) and on the web (1382@O).

- 2525AP COMMUNICATIONS SECURITY
- 3420FP PERSONAL FINANCIAL MANAGEMENT

Course Note: This course is available on CD-ROM (3425AC) and on the web (3426AO).

- 4133@P SEMPER FIT BASIC FITNESS COURSE

2538AP	SINGLE CHANNEL GROUND AIRBORNE RADIO SYSTEM	
0336@P	SCOUTING AND PATROLLING	
0370BP	THE MARINE RIFLEMAN: COMBAT SKILLS	MC-2204-0152
0326@P	STABILITY AND SUPPORT OPERATIONS	
2526BP	INTRODUCTION TO ELECTRONIC WARFARE	
0055@O	HAZARDOUS MATERIAL/HAZARDOUS WASTE MARINE (WEB)	

Course Note: This course is available on CD-ROM (0054@C).

----- **1361 - LCpl** -----

REQUIRED SKILL TRAINING *There are no items in this section*

RECOMMENDED SKILL TRAINING *There are no items in this section*

RECOMMENDED CATEGORY 1 BILLET ASSIGNMENTS *There are no items in this section*

EXCEPTION AND FREE BILLETS

Description

-
- MARINE SECURITY GUARD (MSG) (8156)
 - MARINE CORPS SECURITY FORCE (MCSF) GUARD (8152)
 - MARINE CORPS SECURITY FORCE CLOSE (MCSF) CLOSE QUA (8154)

REQUIRED PME (REF: MCO P1553.4)

Course Number	Description
0037@P	LEADING MARINES

RECOMMENDED PME (REF: MCO P1553.4) *There are no items in this section*

PROFESSIONAL READING

Title	Author
First to Fight	Victor Krulak
MCDP 1 - Warfighting	U.S. Marine Corps
A Message To Garcia	Elbert Hubbard
Rifleman Dodd	C.S. Forster
The Soldier's Load	S.L.A. Marshall
The Ugly American	W. J. Lederer and E. Burdick
Enders Game	Orson Scott CARD

RECOMMENDED VOL ED MOS-RELATED DL COURSES *There are no items in this section*

RECOMMENDED VOL ED GENERAL DL COURSES

Course ID	Description	ACE ID
0112CP	COUNSELING FOR MARINES	MC-1406-0032
0118KP	SPELLING	
0119HP	PUNCTUATION	
0131KP	CORRESPONDENCE PROCEDURES	
0210CP	TERRORISM AWARENESS	
Course Note: This course is available on CD-ROM (0214AC) and on the web (0215AO).		
0354BP	DESERT OPERATIONS	
0416AP	THE MARINE CORPS PUBLICATIONS AND DIRECTIVES SYSTEM	
0861@P	BASIC FORWARD OBSERVATION PROCEDURES	
1334HP	MATH FOR MARINES	MC-1107-0001

Course Note: This course is available on CD-ROM (1381@E, 1381@C) and on the web (1382@O).

- 2525AP COMMUNICATIONS SECURITY
- 3420FP PERSONAL FINANCIAL MANAGEMENT

Course Note: This course is available on CD-ROM (3425AC) and on the web (3426AO).

4133@P	SEMPER FIT BASIC FITNESS COURSE	
2538AP	SINGLE CHANNEL GROUND AIRBORNE RADIO SYSTEM	
0336@P	SCOUTING AND PATROLLING	
0370BP	THE MARINE RIFLEMAN: COMBAT SKILLS	MC-2204-0152
0326@P	STABILITY AND SUPPORT OPERATIONS	
2526BP	INTRODUCTION TO ELECTRONIC WARFARE	
0055@O	HAZARDOUS MATERIAL/HAZARDOUS WASTE MARINE (WEB)	
Course Note: This course is available on CD-ROM (0054@C).		
001AP	PRINCIPLES OF INSTRUCTION FOR THE MARINE NCO	MC-1406-0028

----- **1361 - Cpl** -----

REQUIRED SKILL TRAINING *There are no items in this section*

RECOMMENDED SKILL TRAINING *There are no items in this section*

RECOMMENDED CATEGORY 1 BILLET ASSIGNMENTS *There are no items in this section*

EXCEPTION AND FREE BILLETS

Description

-
- MARINE SECURITY GUARD (MSG) (8156)
 - MARINE CORPS SECURITY FORCE (MCSF) GUARD (8152)
 - MARINE CORPS SECURITY FORCE CLOSE (MCSF) CLOSE QUA (8154)
 - RECRUITER (8411) Corporals may require an MMEA-85 waiver.
 - MARINE COMBAT INSTRUCTOR (0913)

REQUIRED PME (REF: MCO P1553.4) *There are no items in this section*

RECOMMENDED PME (REF: MCO P1553.4)

Course Number Description

Section Note: Command Sponsored Corporals Course, L9K/MC-1405-0051

8010@P SERGEANTS DISTANCE EDUCATION PROGRAM

PROFESSIONAL READING

Title	Author
First to Fight	Victor Krulak
MWCP 6-11 Leading Marines	U.S. Marine Corps (available electronically)
Battle Leadership	Adolph Von Schell
Flags of Our Fathers	James Bradley
Gates of Fire	Steven Pressfield
Imperial Grunts: The American Military on the Ground	Robert D. Kaplan
Small Unit Leader's Guide to Counterinsurgency	U.S. Marine Corps

RECOMMENDED VOL ED MOS-RELATED DL COURSES *There are no items in this section*

RECOMMENDED VOL ED GENERAL DL COURSES

Course ID	Description	ACE ID
0112CP	COUNSELING FOR MARINES	MC-1406-0032
0118KP	SPELLING	
0119HP	PUNCTUATION	
0131KP	CORRESPONDENCE PROCEDURES	
0210CP	TERRORISM AWARENESS	
Course Note: This course is available on CD-ROM (0214AC) and on the web (0215AO).		
0354BP	DESERT OPERATIONS	
0416AP	THE MARINE CORPS PUBLICATIONS AND DIRECTIVES SYSTEM	

0861@P	BASIC FORWARD OBSERVATION PROCEDURES	
1334HP	MATH FOR MARINES	MC-1107-0001
Course Note: This course is available on CD-ROM (1381@E) and on the web (1382@O).		
2525AP	COMMUNICATIONS SECURITY	
3420FP	PERSONAL FINANCIAL MANAGEMENT	
Course Note: This course is available on CD-ROM (3425AC) and on the web (3426AO).		
4133@P	SEMPER FIT BASIC FITNESS COURSE	
0336@P	SCOUTING AND PATROLLING	
0370BP	THE MARINE RIFLEMAN: COMBAT SKILLS	MC-2204-0152
0326@P	STABILITY AND SUPPORT OPERATIONS	
2526BP	INTRODUCTION TO ELECTRONIC WARFARE	
0055@O	HAZARDOUS MATERIAL/HAZARDOUS WASTE MARINE (WEB)	
Course Note: This course is available on CD-ROM (0054@C).		
001AP	PRINCIPLES OF INSTRUCTION FOR THE MARINE NCO	MC-1406-0028
0380AP	INFANTRY SQUAD LEADER: COMBAT LEADERSHIP	

----- **1361 - Sgt** -----

REQUIRED SKILL TRAINING

There are no items in this section

RECOMMENDED SKILL TRAINING

There are no items in this section

RECOMMENDED CATEGORY 1 BILLET ASSIGNMENTS

There are no items in this section

EXCEPTION AND FREE BILLETS

Description

-
- MARINE SECURITY GUARD (MSG) (8156)
 - MARINE CORPS SECURITY FORCE (MCSF) GUARD (8152)
 - MARINE CORPS SECURITY FORCE CLOSE (MCSF) CLOSE QUA (8154)
 - RECRUITER (8411)
 - DRILL INSTRUCTOR (0911)
 - MARINE COMBAT INSTRUCTOR (0913)

Section Note: Marines in the rank of Sergeant and above with a minimum of 8 but no more than 16 years of active naval service, may apply for the technical Warrant Officer program. See SECNAVINST 1120.11A for details.

REQUIRED PME (REF: MCO P1553.4)

Course Number	Description
8010@P	SERGEANTS DISTANCE EDUCATION PROGRAM

RECOMMENDED PME (REF: MCO P1553.4)

Course Number	Description
T4M	SERGEANTS COURSE
Course Note: To attend the resident Sergeants Course, Marines must first complete the Distance Education Sergeants Course.	
8100@P	THE STAFF NONCOMMISSIONED OFFICERS CAREER DISTANCE EDUCATION PROGRAM
Course Note: Must have completed the 8010 prior to enrolling in this course.	

PROFESSIONAL READING

Title	Author
First to Fight	Victor Krulak
MCDP 1-3 Tactics	U. S. Marine Corps
The Art of War	Sun Tzu (Griffith translation is recommended)
Tip of the Spear	Sgt G. J. Michaels
Attacks!	Erwin Rommel
With the Old Breed at Pelelieu and Okinawa	E.B. Sledge
The Village	Francis West

RECOMMENDED VOL ED MOS-RELATED DL COURSES*There are no items in this section***RECOMMENDED VOL ED GENERAL DL COURSES**

Course ID	Description	ACE ID
0112CP	COUNSELING FOR MARINES	MC-1406-0032
0118KP	SPELLING	
0119HP	PUNCTUATION	
0131KP	CORRESPONDENCE PROCEDURES	
0210CP	TERRORISM AWARENESS	
Course Note: This course is available on CD-ROM (0214AC) and on the web (0215AO).		
0354BP	DESERT OPERATIONS	
0416AP	THE MARINE CORPS PUBLICATIONS AND DIRECTIVES SYSTEM	
0861@P	BASIC FORWARD OBSERVATION PROCEDURES	
1334HP	MATH FOR MARINES	MC-1107-0001
Course Note: This course is available on CD-ROM (1381@E, 1381@C) and on the web (1382@O).		
2525AP	COMMUNICATIONS SECURITY	
3420FP	PERSONAL FINANCIAL MANAGEMENT	
Course Note: This course is available on CD-ROM (3425AC) and on the web (3426AO).		
4133@P	SEMPER FIT BASIC FITNESS COURSE	
0336@P	SCOUTING AND PATROLLING	
0370BP	THE MARINE RIFLEMAN: COMBAT SKILLS	MC-2204-0152
0326@P	STABILITY AND SUPPORT OPERATIONS	
2526BP	INTRODUCTION TO ELECTRONIC WARFARE	
0055@O	HAZARDOUS MATERIAL/HAZARDOUS WASTE MARINE (WEB)	
Course Note: This course is available on CD-ROM (0054@C).		
001AP	PRINCIPLES OF INSTRUCTION FOR THE MARINE NCO	MC-1406-0028
0380AP	INFANTRY SQUAD LEADER: COMBAT LEADERSHIP	

----- **1361 - SSgt** -----

REQUIRED SKILL TRAINING*There are no items in this section***RECOMMENDED SKILL TRAINING***There are no items in this section***RECOMMENDED CATEGORY 1 BILLET ASSIGNMENTS***There are no items in this section***EXCEPTION AND FREE BILLETS**

Description

MARINE SECURITY GUARD (MSG) (8156)
 MARINE CORPS SECURITY FORCE (MCSF) GUARD (8152)
 MARINE CORPS SECURITY FORCE CLOSE (MCSF) CLOSE QUA (8154)
 RECRUITER (8411)
 DRILL INSTRUCTOR (0911)
 MARINE COMBAT INSTRUCTOR (0913)

Section Note: Marines in the rank of Sergeant and above with a minimum of 8 but no more than 16 years of active naval service, may apply for the technical Warrant Officer program. See SECNAVINST 1120.11A for details.

REQUIRED PME (REF: MCO P1553.4)

Course Number	Description
8100@P	THE STAFF NONCOMMISSIONED OFFICERS CAREER DISTANCE EDUCATION PROGRAM

RECOMMENDED PME (REF: MCO P1553.4)

Course Number	Description
T8A	STAFF NONCOMMISSIONED OFFICERS CAREER COURSE

Course Note: To attend the resident Career Course, Marines must first complete the Distance Education Career Course. Marines who have attended the Infantry Unit Leaders Course may receive PME credit for the Career Course, however it is highly recommended

that they complete both.

8200@P

STAFF NONCOMMISSIONED OFFICERS ADVANCED DISTANCE EDUCATION PROGRAM

Course Note: Must have completed the 8100 course prior to enrolling in this course.

PROFESSIONAL READING

Title	Author
First to Fight	Victor Krulak
MCDP 1-2 Campaigning	U. S. Marine Corps
This Kind of War	T.R. Fehrenbach
Band of Brothers	Stephen Ambrose
The Face of Battle	John Keegan
A Bell for Adano	John Hersey
Utmost Savagery: The Three Days of Tarawa	Joseph H. Alexander

RECOMMENDED VOL ED MOS-RELATED DL COURSES

There are no items in this section

RECOMMENDED VOL ED GENERAL DL COURSES

Course ID	Description	ACE ID
0112CP	COUNSELING FOR MARINES	MC-1406-0032
0118KP	SPELLING	
0119HP	PUNCTUATION	
0131KP	CORRESPONDENCE PROCEDURES	
0210CP	TERRORISM AWARENESS	
Course Note: This course is available on CD-ROM (0214AC) and on the web (0215AO).		
0354BP	DESERT OPERATIONS	
0416AP	THE MARINE CORPS PUBLICATIONS AND DIRECTIVES SYSTEM	
0861@P	BASIC FORWARD OBSERVATION PROCEDURES	
1334HP	MATH FOR MARINES	MC-1107-0001
Course Note: This course is available on CD-ROM (1381@E, 1381@C) and on the web (1382@O).		
2525AP	COMMUNICATIONS SECURITY	
3420FP	PERSONAL FINANCIAL MANAGEMENT	
Course Note: This course is available on CD-ROM (3425AC) and on the web (3426AO).		
4133@P	SEMPER FIT BASIC FITNESS COURSE	
0326@P	STABILITY AND SUPPORT OPERATIONS	
2526BP	INTRODUCTION TO ELECTRONIC WARFARE	
0055@O	HAZARDOUS MATERIAL/HAZARDOUS WASTE MARINE (WEB)	
Course Note: This course is available on CD-ROM (0054@C).		
0090@P	PISTOL MARKSMANSHIP	

----- 1371 - GySgt -----

REQUIRED SKILL TRAINING

Course Title	Course Location	CID	ACE ID
ENGINEER OPERATIONS CHIEF	MCB CAMP LEJEUNE, NC	M0313G2	

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CID	ACE ID
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Section Note: Continue in the Carpenter Apprenticeship Program

RECOMMENDED CATEGORY 1 BILLET ASSIGNMENTS

Description
Section Note: Platoon Sergeant/ Construction Foreman, Marine Logistic Group
Section Note: Platoon Sergeant/ Company Gunnery Sergeant, Marine Division
Section Note: Construction NCOIC/Engineer Operations Chief, Marine Aircraft Wing

EXCEPTION AND FREE BILLETS

Description

MARINE SECURITY GUARD (MSG) (8156)
MARINE CORPS SECURITY FORCE (MCSF) GUARD (8152)
RECRUITER (8411)
DRILL INSTRUCTOR (0911)
MARINE COMBAT INSTRUCTOR (0913)

Section Note: Marines in the rank of Sergeant and above with a minimum of 8 but no more than 16 years of active naval service, may apply for the technical Warrant Officer program. See SECNAVINST 1120.11A for details.

REQUIRED PME (REF: MCO P1553.4)

Course Number	Description
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8200@P	STAFF NONCOMMISSIONED OFFICERS ADVANCED DISTANCE EDUCATION PROGRAM
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Course Note: Before promotion to MSgt, must complete this course and the 7400-Warfighting Skills program.

T8H	STAFF NONCOMMISSIONED OFFICERS ADVANCED COURSE
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Course Note: To be eligible for selection to 1stSgt, Gunnery Sergeants must complete the resident SNCO Advanced Course.

Section Note: Marines who complete the 7200 MCI are required to complete the 7400 MCI. Marines who complete the 8200 MCI are required to complete the 7400 MCI.

RECOMMENDED PME (REF: MCO P1553.4)

Course Number	Description
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T8H	STAFF NONCOMMISSIONED OFFICERS ADVANCED COURSE
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Course Note: To attend the resident Advanced Course, Marines must first complete the Distance Education Advanced Course. The resident Advanced Course is recommended for those desiring the MSgt career path. However, to be eligible for selection to 1stSgt, Gunnery Sergeants are required to complete the resident Staff Noncommissioned Officers Advanced Course.

Section Note: Upon completion of all required enlisted PME, you may enroll in the Expeditionary Warfare School Distance Education Program.

PROFESSIONAL READING

Title	Author
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First to Fight	Victor Krulak
MCDP 5 Planning	U. S. Marine Corps
The Savage Wars of Peace	Max Boot
We Were Soldiers Once and Young	Moore and Galloway
On Combat	Dave Grossman
Breakout	Martin Russ
Victory at High Tide: The Inchon-Seoul Campaign	Robert Debs Heinl Jr.

RECOMMENDED VOL ED MOS-RELATED DL COURSES

Course Title	CID	ACE ID
ENGINEER EQUIPMENT CHIEF	1328EP	MC-1601-0016

RECOMMENDED VOL ED GENERAL DL COURSES

Course ID	Description	ACE ID
0112CP	COUNSELING FOR MARINES	MC-1406-0032
0118KP	SPELLING	
0119HP	PUNCTUATION	
0131KP	CORRESPONDENCE PROCEDURES	
0210CP	TERRORISM AWARENESS	
Course Note: This course is available on CD-ROM (0214AC) and on the web (0215AO).		
0354BP	DESERT OPERATIONS	
0416AP	THE MARINE CORPS PUBLICATIONS AND DIRECTIVES SYSTEM	
0861@P	BASIC FORWARD OBSERVATION PROCEDURES	
1334HP	MATH FOR MARINES	MC-1107-0001
Course Note: This course is available on CD-ROM (1381@E, 1381@C) and on the web (1382@O).		
2525AP	COMMUNICATIONS SECURITY	

3420FP PERSONAL FINANCIAL MANAGEMENT

Course Note: This course is available on CD-ROM (3425AC) and on the web (3426AO).

0055@O HAZARDOUS MATERIAL/HAZARDOUS WASTE MARINE (WEB)

Course Note: This course is available on CD-ROM (0054@C).

0090@P PISTOL MARKSMANSHIP

----- 1371 - MSgt -----

REQUIRED SKILL TRAINING

Course Title	Course Location	CID	ACE ID
ENGINEER OPERATIONS CHIEF	MCB CAMP LEJEUNE, NC	M0313G2	

Course Note: If not completed

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CID	ACE ID
Section Note: Complete Carpentry Apprenticeship Program			

RECOMMENDED CATEGORY 1 BILLET ASSIGNMENTS

Description
Section Note: Construction Chief, Marine Logistic Group
Section Note: S-3 Operations Chief, Marine Division
Section Note: Engineer Operations Chief, Marine Aircraft Wing
Section Note: Engineer Operations Chief, Marine Expeditionary Force

EXCEPTION AND FREE BILLETS

Description
Section Note: Marines in the rank of Sergeant and above with a minimum of 8 but no more than 16 years of active naval service, may apply for the technical Warrant Officer program. See SECNAVINST 1120.11A for details.

REQUIRED PME (REF: MCO P1553.4)

Course Number	Description
L9F	FIRST SERGEANT/MASTER SERGEANT REGIONAL SEMINAR
Course Note: Although this is not a formal course, Master Sergeants and First Sergeants are required to attend a First Sergeant/Master Sergeant Regional Seminar within two years of promotion. Contact your local SNCO Academy for more information.	

RECOMMENDED PME (REF: MCO P1553.4)

Course Number	Description
Section Note: Upon completion of all required enlisted PME, you may enroll in the Expeditionary Warfare School Distance Education Program.	

PROFESSIONAL READING

Title	Author
First to Fight	Victor Krulak
MCDP 1-1 Strategy	U.S. Marine Corps
Reminiscences of a Marine	John A. Lejeune
Fields of Battle: The Wars for North America	John Keegan
Seven Pillars of Wisdom	T.E. Lawrence
On Killing: The Psychological cost of Learning to Kill...	Dave Grossman
Battle Cry of Freedom: The Civil War Era	James M. McPherson

RECOMMENDED VOL ED MOS-RELATED DL COURSES

Course Title	CID	ACE ID
ENGINEER EQUIPMENT CHIEF	1328EP	MC-1601-0016

RECOMMENDED VOL ED GENERAL DL COURSES

Course ID	Description	ACE ID
0112CP	COUNSELING FOR MARINES	MC-1406-0032
0118KP	SPELLING	

0119HP PUNCTUATION
 0131KP CORRESPONDENCE PROCEDURES
 0210CP TERRORISM AWARENESS
 Course Note: This course is available on CD-ROM (0214AC) and on the web (0215AO).
 0354BP DESERT OPERATIONS
 0416AP THE MARINE CORPS PUBLICATIONS AND DIRECTIVES SYSTEM
 0861@P BASIC FORWARD OBSERVATION PROCEDURES
 1334HP MATH FOR MARINES
 Course Note: This course is available on CD-ROM (1381@E, 1381@C) and on the web (1382@O).
 2525AP COMMUNICATIONS SECURITY
 3420FP PERSONAL FINANCIAL MANAGEMENT
 Course Note: This course is available on CD-ROM (3425AC) and on the web (3426AO).
 4133@P SEMPER FIT BASIC FITNESS COURSE
 0090@P PISTOL MARKSMANSHIP

MC-1107-0001

----- **1371 - MGySgt** -----

REQUIRED SKILL TRAINING

Course Title	Course Location	CID	ACE ID
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Section Note: All required MOS training complete

RECOMMENDED SKILL TRAINING

Course Title	Course Location	CID	ACE ID
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Section Note: Complete Carpenter Apprenticeship Program (If not completed)

RECOMMENDED CATEGORY 1 BILLET ASSIGNMENTS

Description

Section Note: G-4 Chief, Marine Logistic Group
 Section Note: S-4 Operation Chief, Marine Division
 Section Note: Wing Engineer Chief, Marine Aircraft Wing
 Section Note: Operations Chief, Marine Expeditionary Force, Headquarters
 Section Note: Operations Chief, Marine Forces Atlantic/Pacific

EXCEPTION AND FREE BILLETS

There are no items in this section

REQUIRED PME (REF: MCO P1553.4)

Course Number	Description
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Section Note: Attend annual Master Gunnery Sergeant Regional Seminar.

RECOMMENDED PME (REF: MCO P1553.4)

Course Number	Description
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Section Note: Upon completion of all required enlisted PME, you may enroll in the Expeditionary Warfare School Distance Education Program.

PROFESSIONAL READING

Title	Author
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First to Fight	Victor Krulak
The General	C. S. Forester
No Bended Knee	Merill Twining
Archilles in Vietnam: Combat Trauma....	Jonathan Shay
The Mask of Command	John Keegan
The Arab Mind	R. Patai

RECOMMENDED VOL ED MOS-RELATED DL COURSES

Course Title	CID	ACE ID
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Section Note: None

RECOMMENDED VOL ED GENERAL DL COURSES

Course ID	Description	ACE ID
0112CP	COUNSELING FOR MARINES	MC-1406-0032
0118KP	SPELLING	
0119HP	PUNCTUATION	
0131KP	CORRESPONDENCE PROCEDURES	
0210CP	TERRORISM AWARENESS	
Course Note: This course is available on CD-ROM (0214AC) and on the web (0215AO).		
0354BP	DESERT OPERATIONS	MC-1107-0001
0416AP	THE MARINE CORPS PUBLICATIONS AND DIRECTIVES SYSTEM	
0861@P	BASIC FORWARD OBSERVATION PROCEDURES	
1334HP	MATH FOR MARINES	
Course Note: This course is available on CD-ROM (1381@E, 1381@C) and on the web (1382@O).		
2525AP	COMMUNICATIONS SECURITY	
3420FP	PERSONAL FINANCIAL MANAGEMENT	MC-1107-0001
Course Note: This course is available on CD-ROM (3425AC) and on the web (3426AO).		
4133@P	SEMPER FIT BASIC FITNESS COURSE	
0090@P	PISTOL MARKSMANSHIP	

ALL RANKS

VOLUNTARY EDUCATION

College degrees are of great personal and professional benefit. However, especially early in your career, skill training and PME take precedent over voluntary education. Moreover, the availability of college programs and your ability to take advantage of those programs is not guaranteed due to unit and/or billet assignment. Additionally, and because it is nearly impossible to predict what advance college work you may have already accomplished, whether or not the you want to pursue a degree or simply take college-level courses, and specifically what degree you might want to earn, this portion of the roadmap is generic for all MOS Roadmaps and primarily deals with the Service members Opportunity Colleges (SOC) degree programs for the Marine Corps. It consists of colleges that offer associate and bachelor's degree programs on or accessible to Marine Corps installations worldwide. These colleges have joined together to form networks in which each college accepts credits from all the others. This guarantees that Marine Corps students and their adult family members can continue toward completion of their degrees even though the Marine Corps may transfer them several times. The Marine Corps portion of SOC is known as SOCMAR.

What Is SOCMAR?

SOCMAR is a system of college curriculum networks designed by SOC for Marine Corps service members and their adult family members. Networks consist of groups of colleges that have agreed to accept each other's courses in a particular program of study. Students can move freely among the colleges in a network without being reevaluated or worrying about whether or not courses will transfer. SOCMAR-2 is the associate degree network program; SOCMAR-4 is the bachelor's degree network program.

SOCMAR-2 and SOCMAR-4 colleges provide students with the opportunity to complete college degrees without losing credit because of frequent changes in duty station. Curricula, or courses of study, are offered by colleges and universities on or accessible to most Marine Corps installations worldwide.

Colleges within SOCMAR act as "home colleges" for SOCMAR students. Students begin their studies at their home college where they complete the required academic residency. SOCMAR colleges and universities require no more than 25 percent of a degree program in residence, and courses taken from the college anywhere in the world at any time during study for a degree count toward residency.

After completing no more than six semester hours at the home college, SOCMAR students are eligible for an official evaluation and SOCMAR Student Agreement, which is a degree plan and contract-for-degree. The SOCMAR college includes on the official evaluation appropriate credit for any previous college courses and nontraditional learning, including Marine Corps MOSs, military training courses, and results of national examinations. Credit for nontraditional learning is based on recommendations of the American Council on Education.

SOCMAR colleges guarantee to accept in transfer courses listed in the transferability tables of the *SOCMAR-2* and *SOCMAR-4 Handbooks*, which are used as manuals for the SOCMAR system by college and military counselors. These courses are transferred among network colleges without course-by-course prior approval for individual students. SOCMAR colleges also guarantee to accept college-level General Education elective courses in specified course areas. These guarantees are in effect only when a SOCMAR Student Agreement has been issued, and only for transfer back to the home college.

When SOCMAR students are transferred to new duty stations, they may continue to take courses from other SOCMAR colleges, and acquire credit for further military experience and tests. These credits are transferred back to the home college which will award the degree when all academic requirements set forth on the Student Agreement are met.

SOCMAR students can pursue their degrees through three delivery options:

- **Traditional Delivery** — Courses normally are delivered through classroom-based instruction with some academic residency required.
- **Distance Learning** — External-degree option that allows SOCMAR students to take courses without sitting in a traditional classroom. Courses may be by correspondence, computer, video, or other type of independent study.
- **Learning Assessment Option** — External-degree option that consists of approved curricula that do not require academic residency for graduation. Participating colleges and universities evaluate learning from nontraditional sources, and accept credit in transfer from other institutions.

RECOMMENDED TYPES OF MOS-RELATED COLLEGE LEVEL COURSES AND ASSOCIATE AND

BACCALAUREATE (BACHELOR'S) DEGREES. Today's Marines are taking advantage in ever increasing numbers of academic degree program offered by SOCMAR member schools. **The Marine Career College Program (MCCP)** expands the range of educational opportunities available for Marines who would like to apply their military training and workplace skills and experience toward completion of an occupational specialty-related college degree. The goal is encourage Marines to attain the same level of

career development and professional recognition as their counterparts in their sister Services and civilian society.

How MCCP Works. The goal of the program is to support the Marine's career and personal development by providing comprehensive degree plans and roadmaps which maximize the credit which member schools will award for Marine Corps training and experience.

- Each of the selected Marine Occupational Fields have been matched with existing SOCMAR Degree Networks, member institutions and degree/certificate program curriculums. Participating SOCMAR Career Network schools are committed to award college credit based on American Council on Education recommendations for military service school courses, Marine workplace experience, the Marine Corps Institute, credit by examination programs and professional/occupational certification examination programs where applicable to degree requirements.
- Marine Corps Career Degrees incorporate the Guaranteed Transferability provisions of the SOC/SOCMAR system.
- The Marine Career College Program will be briefed to Marines at all MOS-awarded formal schools and MOS advanced courses. MCCP MOS-related curriculum offerings - SOCMAR Career College Degree Roadmaps - are summarized on the SOC Web Site, and displayed on the MCCC member Web Sites.
- To qualify for college-level credit for Marine training and experience, the Marine must enroll in a SOCMAR Career College Network program offered on base or via distance learning. Upon successful completion of no more than two courses, the school will conduct an official evaluation of his/her service school training, other college courses, and issue a SOCMAR Student Agreement/MCCP Degree Plan. This SOCMAR Contract-for-Degree provides the student's degree/certificate roadmap and establishes the school as his/her "home college" which will apply all subsequent coursework, even if completed at other colleges, toward the MCCP degree/certificate.

Specific courses and degree programs can be found at:

- Occupational Field 01 – <http://www.soc.aascu.org/socmar/OccuFld01.html>
- Occupational Field 03 – <http://www.soc.aascu.org/socmar/OccuFld03.html>
- Occupational Field 06 – <http://www.soc.aascu.org/socmar/OccuFld40.html>
- Occupational Field 28 – <http://www.soc.aascu.org/socmar/OccuFld28.html>
- Occupational Field 33 – <http://www.soc.aascu.org/socmar/OccuFld33.html>
- Occupational Field 34 – <http://www.soc.aascu.org/socmar/OccuFld34.html>
- Occupational Field 35 – <http://www.soc.aascu.org/socmar/OccuFld35.html>
- Occupational Field 58 – <http://www.soc.aascu.org/socmar/OccuFld58.html>
- Occupational Field 59 – <http://www.soc.aascu.org/socmar/OccuFld59.html>
- Occupational Field 60 – <http://www.soc.aascu.org/socmar/OccuFld6X.html>
- Occupational Field 61 – <http://www.soc.aascu.org/socmar/OccuFld6X.html>

Additional Occupational Field-related Degree Roadmaps are under development, so if your Occupational field is not listed above, you are encouraged to contact the MCCP Director at e-mail: socmar@aascu.org.

RECOMMENDED NON MOS AND AREA STUDIES/PROFESSIONAL DEVELOPMENT COLLEGE LEVEL COURSES:
(*under review*)

GRADUATE PROGRAMS. Currently, the only graduate education program opened to enlisted Marines is the Information Assurance Scholarship Program (IASP). This is offered only to Marines in MOS 0689 and in the grades of SSgt (select) through MSgt who already possess a Bachelor's degree. For more information, consult the latest ALMAR on the subject.

GENERAL INFORMATION ON VOLUNTARY EDUCATION

SNCO DEGREE COMPLETION PROGRAM. Marines in the grade of Staff Sergeant through Master Sergeant who have completed some college work may be eligible for assignment to a fulltime college program through the SNCO Degree Completion program. Marines below the grade of Staff Sergeant interested in eventually participating in this program should consult MCO 1560.21D for eligibility criteria and structure their college course plan appropriately.

TUITION ASSISTANCE (TA) offers financial assistance to service members who elect to pursue Off-Duty or Voluntary Education. TA funds 100% of tuition costs for high school completion up to a fiscal year TA cap of \$4,500.

Currently, postsecondary education, from vocational certification through graduate study, TA will fund up to 100% of institution charges for tuition, instructional fees, laboratory fees, computer fees and mandatory enrollment fees combined. Funding will not exceed \$250 per semester hour equivalent and \$4,500 per individual per fiscal year. Combinations of the different educational

levels will not exceed the fiscal cap.

TA is not authorized for books or for lower or lateral degrees. Officers using TA agree to remain on active duty for two (2) years following the completion of the TA funded course.

First-time students must complete a TA Orientation Class PRIOR to using TA. Marines at remote sites (non-Marine Corps installations) may access the course by clicking on the TA Orientation link above. All others please proceed to your local base Lifelong Learning or Education Office.

Marines must apply for and receive written authorization for TA PRIOR to enrollment through the appropriate education office.

TA for remote Marines and those assigned to other service sites is processed at Camp Lejeune/Cherry Point for those east of the Mississippi and Camp Pendleton for those west of the Mississippi. I-I duty Marines apply through MARFORRES, New Orleans. Recruiters apply via their recruiting district or region headquarters.

SAILOR MARINE AMERICAN COUNCIL ON EDUCATION REGISTRY TRANSCRIPT (SMART). SMART is now available to document American Council on Education (ACE) recommended college credit for military training and occupational experience. SMART is an academically accepted record that is validated by ACE. The primary purpose of SMART is to assist service members in obtaining college credit for their military experience.

SMART has replaced the DD295, the Application for Evaluation of Learning Experiences during Military Service, which is the form currently submitted to colleges by Marines to verify their military experiences. The DD295 may still be necessary to document some training and experience that is not contained in and cannot be added to current personnel and training databases.

To see what SMART contains, how you may obtain your personal copy, order an official copy, or get more information, go to the links at: <https://www.navycollege.navy.mil/transcript.html>, or your nearest Marine Corps Education Center.

COLLEGE CREDIT INFORMATION: The American Council on Education (ACE) has reviewed every course listed in the MOS Roadmap and determined what type of collegiate level credit is recommended. The ACE identifier, listed with each course, is a source to validate the information and to check for changes as they occur. Updates can be found at <http://www.militaryguides.acenet.edu>.

UNIFORMED SERVICES MILITARY APPRENTICESHIP PROGRAM (USMAP) is a formal military training program that provides active duty Marines the opportunity to improve their job skills and to complete their civilian apprenticeship requirements while they are on active duty. The U.S. Department of Labor (DOL) provides the nationally recognized "Certificate of Completion" upon program completion.

SIMPLE QUALIFICATIONS

- be active duty and,
- be designated in an MOS and,
- have sufficient time to complete the program while on active duty and,
- possess a high school diploma or GED and,
- the selected trade must be your primary job at your command, and
- have the required documentation.

EASY COMPLETION - USMAP requires no off-duty hours and can grant up to one half of the required on-the-job training hours for military experience. You may also get credit for previous apprenticeships.

GOOD BENEFITS - USMAP enhances your job skills and shows your motivation for more challenging military assignments.

Having a DOL Certificate of Completion is a definite advantage in getting better civilian jobs since employers know the value of apprenticeships. Apprenticeship Programs exist for MOS's related to the following trades: Aircraft Mechanic, Plumbing & Hydraulics (Aircraft Manufacturing)

Airframe Mechanic

Airframe & Powerplant Mechanic (Aviation Maintenance Mechanic)

Audio-Video Repairer

Audio-Video Repairer (Any Industry)

Automobile Mechanic

Automobile Mechanic (Automotive Service)

Aviation Ordnanceman (Aircraft Armament Mechanic)

Aviation Safety Equipment Technician

Aviation Support Equipment Repairer (Military Service)
Baker (Bake Products)
Barber (Personal Service)
Boiler House Mechanic
Bulk Fuel Specialist (Pumper-Guager)
Calibration Laboratory Technician (Acft Mfg; Electron comp)
Camera Operator (Motion Pict: Radio-TV Broad)
Camera Repairer
Canvas Worker
Carpenter (Construction)
Carpenter (Combat Engineer)
Cement Mason (Construction)
Central Office Repairer
Computer Programmer (Professional & Kindred)
Computer-Peripheral-Equipment Operator (Clerical)
Cook (Any Industry)
Cook (Hotel & Restaurant)
Correction Officer (Government Service)
Counselor (Professional & Kindred)
Dental Assistant (Medical Service)
Dental-Equipment Installer & Servicer (Wholesale Trade)
Dental-Laboratory Technician (Protective Devices)
Diesel Mechanic
Drafter, Architectural (Professional & Kindred)
Drafter, Civil (Professional & Kindred)
Electrical Equipment Repairperson (Magneto Repairer)
Electrician (Construction)
Electrician (Ship & Boat)
Electrician (Construction)
Electrician, Aircraft (Aircraft Mfg, Air Trans)
Electrician, Maintenance (Any Industry)
Electric-Motor Repairer (Any Industry)
Electromedical Equipment Repairer (Any Industry)
Electronics Mechanic
Electronics Mechanic (Any Industry)
Electronics Technician (Professional & Kindred)
Electronics Technician (Professional & Kindred)
Electronics Tester
Emergency Medical Technician
Engineer Equipment Mechanic
Fire Fighter (Any Industry)
Fire Fighter, Crash, Fire & Rescue (Air Trans)
Fuel System Maintenance Worker (Any Industry)

Graphic Designer
Heavy Vehicle Operator (Truck Driver)
Household Manager (Private Residential Mgmt)
Housekeeper (Comm, Res, Industry)
Hydroelectric-Machinery Mechanic (Utilities)
Illustrator (Professional & Kindred)
Internetworking Technician
Legal Secretary
Legal Secretary (Clerical)
Lithographer (Off-Set Press Operator)
Locksmith (Any Industry)
Machinist
Machinist- M
Machinist, Outside (Ship)
Maintenance Mechanic (Any Industry)
Maintenance Mechanic, Telephone (Any Industry)
Manager, Food Service (Hotel & Restaurant; Personal Service)
Manager, Retail Store (Retail Trade)

Marine-Services Technician
 Medical Laboratory Technician (Medical Service)
 Medical Secretary (Medical Service)
 Meteorologist (Professional & Kindred)
 Nondestructive Tester (Professional & Kindred)
 Nurse Assistant (Medical Service)
 Office Manager/Administrative Services
 Offset-Press Operator I (Print. & Pub.)
 Operating Engineer (Construction)
 Optical-Instrument Assembler (Optical Goods)
 Ordnance Artificer (Government Service)
 Paralegal (Professional & Kindred)
 Paramedic (Medical Service)
 Pharmacist Assistant (Mil Service)
 Photographer Motion Picture
 Photographer, Still (Professional & Kindred)
 Photographer, Still
 Pipe Coverer & Insulator (Ship & Boat Mfg.)
 Pipe Fitter (Construction)
 Pipe Fitter (Ship & Boat Mfg.)
 Plumber
 Police Officer I (Government Service)
 Post-Office Clerk (Government Service)
 Powerplant Mechanic (Aircraft Engine Mechanic)
 Power-Plant Operator (Utilities)
 Program Assistant (Radio-TV Broad)
 Pump Repairer (Any Industry)
 Pumper-Gauger (Chemical; Petrol. Refin.; Pipe Lines)
 Purchasing Agent (Professional & Kindred)
 Purchasing Agent
 Radio Mechanic
 Radio Station Operator (Aircraft Mfg.)
 Recording Engineer (Radio-TV Broad)
 Refrigeration Mechanic (Any Industry)
 Refrigeration Mechanic
 Rigger (Ship & Boat Bldg)
 Rigger (Any Industry)
 Self-Propelled Artillery Repairer Technician (Ordnance Artificer)
 Sheet Metal Worker (Any Industry)
 Shipfitter (Ship & Boat)

Station Installer & Repairer (Tel. & Tel.)
 Surveyor Assistant
 Television And Radio Repairer (Any Industry)
 Turret Repairer (Ordnance Artificer)
 Upholsterer, Inside
 Water-Treatment-Plant Operator (Waterworks)
 Weather Observer
 Weather Observer (Professional & Kindred)
 Welder, Combination
 Welder, Combination

X-Ray Equipment Tester (Any Industry)

ASE EXAMS are also available at education centers. DANTES will pay for active duty military to take three exams semiannually. The tests are offered in the spring and fall of every year and do require a non-refundable registration fee. ASE exams require documentation of two years experience working in the automotive industry. (LAV, Tank, AAV, engineer, and MT mechanics usually fall in this category and USMAP can help to document this experience).

DEPLOYED EDUCATION. The purpose of the Marine Deployed Education program is to provide undergraduate level courses to afloat Marines, MCB Camp Pendleton and MCAS Cherry Point developed MOUs with academic institutions. Qualified Marines with the afloat units provide the instruction. Currently, courses are provided by Park University and Central Texas College. The academic institutions identify and employ qualified marine instructors to teach courses. Marines receive instruction according to the deployment schedule and pay tuition according to the standard tuition assistance policy.

- Courses are paid at 100% of the cost of tuition per current TA policy, using tuition assistance funds.
- Initial Tuition Assistance forms and registrations must be completed, approved, and given to the Education Officer before the deployment date.
- Payment for courses is due the first night of class.
- Two-week late registration allowed on ship at MCAS Cherry Point.
- Books are rented for \$10.00 per book at Camp Pendleton.
- Books are ordered, purchased, and received before deployment at Cherry Point.
- Class sessions are flexible according to operational tempo. In an emergency situation, classes can be stopped immediately.
- Military Academic Skills Program (MASP) can be provided afloat under its current education services agreement .

VOCATIONAL CERTIFICATES are available from many community colleges. Most of your military training can be counted toward degree programs, but residency credits and approximately 40-75 credit hours are still required. These certificates can be as valuable as the apprenticeship program in the civilian work force.

TESTING can replace the requirement to attend most of the college courses listed in the MOS Roadmap. Base Education Centers offer College Level Examination Programs (CLEP) and Defense Activity for Non-Traditional Educational Support (DANTES) Subject Standardized Tests (DSSTs) exams for active duty military at no cost. They also have a comprehensive list of “credit-by-exam” tests that they offer. Additionally, many of the tests have study guides that are available at the base education center or through the base library system.

NATIONAL CERTIFICATION TESTING In addition to MCI’s and formal MOS schools, certain MOS’s prepare you to pass national certification testing. Examples are: National Institute of Metallurgical Society (NIMS) for machinists, Students Excelling through National Standards of Excellence (SENSE) for welders, Automotive Service Excellence (ASE) for mechanics and technicians, etc.