

Military Branch: Marines

Military Occupation: INFORMATION ASSURANCE TECHNICIAN

Military Code: 0689

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Training Levels: 5 different training levels

Career Pattern

SGT: Sergeant (E-5).

MSGT: Master Sergeant (E-8).

SSGT: Staff Sergeant (E-6).

MGYSGT: Master Gunnery Sergeant (E-9). IT3:

GYSGT: Gunnery Sergeant (E-7).

Below are brief synopses of the Occupation and Training received by servicemen and women in this profession. Expanded information on both Occupation levels and Coursework details can be obtained by clicking on these links.

[Link to Information Assurance Technician Occupation information](#)

[Link to Information Assurance Manager Course](#) – **NOTE: This course is PART of the extensive training this position receives.**

Occupation Details- Synopsis

Information assurance technician are responsible for all aspects of ensuring Marine Corps information systems data availability, integrity authentication, confidentiality, non-repudiation. Information assurance technician implement and monitor security measures for USMC communication information systems networks, and advise the commander that systems and personnel adhere to established security standards and governmental requirements for security on these systems. Duties include assisting in the development and execution of security policies, plans and procedures; design and implementation of data network security measures; network intrusion detections and forensics; information system security incident handling; certification of Marine Corps systems and networks; determine information assurance program requirements; determine information assurance architecture requirements; develop an information assurance program; draft an information assurance plan; draft an information assurance architecture; develop an information assurance plan; implement non-technical information assurance controls; perform a certification and accreditation process; conduct non-technical information assurance assessment; supervise an information assurance program; and enforce an information assurance plan. Entry level input to this MOS will be in the grade of sergeant through staff sergeant only with a PMOS of 0651, 0656, or 0659 on second or subsequent enlistment.



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Civilian Competencies

Networking topics include client/server network, firewalls, LAN, network device security, network devices, network hardware (configuration), UNIX, virtual private network(VPN), and voice over internet protocol (VOIP).

Network security topics include data and system security, data integrity, diversity, encryption, information security programs and procedures, information security staff development, IT security program management, personnel security, physical security, reliability, and security programs implementation.

Systems analysis topics include digital switching, fault isolation, fiber optics switching, life cycle management, maintenance readiness, modeling, and quality assurance.

Telecommunications topics include fiber optics, GAN, infrastructure management, LAN, MAN, microwave satellites (modulation), multiplexing, network operations, optimization of data and telecommunications, planning and design, QoS availability, radio, receivers, receivers and antennas, RF communication, terrestrial equipment, terrestrial equipment, transmitters, WAN, and wireless.

Management information systems topics include computer networks, data and knowledge management, information system management, information system software and technology, physical environment security, and systems development life cycle(SDLC).

Database management topics include back-up and recovery strategies, database interfaces, database management system, database organization, database programming, database security, and SQL-structured query language.

Supervision topics include counseling, disciplinary actions, evaluation, human resource development, mentoring, motivation, performance appraisals, planning, rewards, rewards motivation, safety, supervisory reports, team building, and training.

Communications topics include briefings, electronic messages, internal communication, interpersonal communications, message construction, multimedia presentations, official correspondence, oral communications, presentation skills, presentations, and report writing.

Management topics include budget development and administration, controlling, coordination, counseling, interpersonal skills, leading, motivation, organizing, performance evaluation, planning, safety administration, and scheduling.

Operations management topics include culture implementation, mission planning, policy development, quality assurance and control, resource management, risk management, solution development, solution implementation, and standard operating procedures.



ACE credit recommendations

ACE's Military Guide presents credit recommendations for formal courses and occupations offered by all branches of the military. All recommendations are based on ACE reviews conducted by college and university faculty members who are actively teaching in the areas they review.

Below are credit recommendations for the **INFORMATION ASSURANCE TECHNICIAN**, at the 5 levels listed.

Military Course	Recommended Semester Hours	Credit Level Recommendation	Training included in each skill level				
			SGT	SSGT	GYSGT	MSGT	MGYSGT
Networking	2 SH	Lower level BA	X	X	X	X	X
Network Security	3 SH	Lower level BA	X	X	X	X	X
Systems Analysis	3 SH	Lower level BA	X	X	X	X	X
Telecommunications	3 SH	Lower level BA	X	X	X	X	X
Supervision	2 SH	Lower level BA	X	X	X	X	X
Communications	2 SH	Lower level BA	X	X	X	X	X
Management Information Systems	3 SH	Upper level BA	X	X	X	X	X
Database Management	3 SH	Upper level BA	X	X	X	X	X
Management	3 SH	Upper level BA				X	X
Operations Management	3 SH	Upper level BA					X
Total Semester hours			22	22	22	25	28
Total Quarter hours			33	33	33	37.5	42

- Common semester hour/quarter hour conversion rate is: Semester hrs X 1.5= Quarter hours

Onet Military crosswalk results

Onet is a civilian occupational crosswalk created and maintained by the Department of Labor. It includes a military crosswalk, but the Onet crosswalk does not include military occupation or training information. The military crosswalk provides civilian occupations that align with military training. The Onet tool can be used to provide only general occupational crosswalking for military to civilian career paths.

Onet results for **Military Occupation: INFORMATION ASSURANCE TECHNICIAN**

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Similar Matching Civilian Occupation Profile via Onet-

<http://www.onetonline.org/crosswalk/MOC?b=M&s=0689&g=Go>



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