FY2015 - FY2017 EDUCATIONAL SKILL REQUIREMENTS
Logistics Information Technology
Subspecialty 1309
Curriculum 870

EDUCATIONAL SKILL REQUIREMENTS FOR: Logistics Information Technology/1309

1. Curriculum Number: 870

2. Curriculum taught at NPS.

3. Students are Fully Funded or Partially Funded: FULLY

4. Curriculum Length in months: 18 months

5. APC Required: 345

6. Community Managers and the Budget Submitting Office have agreed to allow Officers to be educated for Logistics Information Technology/1309.

Designator	Officer Community Manager Name	Approval Date
310X	Cielo Almanza	31 MAR 2016

7. Educational Skill Requirements (ESRs) are:

a. **Management Fundamentals** - The graduate will have the ability to apply state-of-the-art concepts, tools, and methodologies from public management and business to manage DoN/DoD organizations. This ability will be developed in course work that includes economic, statistical, mathematical, organizational, communication, and financial theories and techniques.

b. **Information Systems Technology -** The officer will have a thorough knowledge of information systems management to include:

(1) computer system components;
(2) computer networks: network architectures, protocols and standards;
(3) database management systems: database technologies, object-oriented databases, data warehouses, Online Analytical Processing (OLAP), technical and administrative issues involved

in the design, implementation and maintenance of database management systems.

c. **Decision Support and Knowledge Management Systems** - The student will have a thorough knowledge of problem identification, formulation, and application of systems to support decision making. The student will understand the purpose of executive information systems, group decision support systems, and contingency management systems and their potential impacts on public organizations and missions. The student will also be familiar with knowledge collection technologies designed to capture, categorize, store, retrieve and present knowledge.

d. **Computer Security** - The student will gain fundamental knowledge of the methods for ensuring integrity, confidentiality, authentication, and availability of computer resources, distributed databases and networks.

e. **Information Systems Analysis and Management** - The officer will have a thorough knowledge of the following concepts to effectively manage the application of information systems to organizational goals:

(1) Managerial Concepts: decision-making theory, microeconomics, marketing, operations analysis, statistics, financial management, organizational development, and research methodologies;

(2) Evaluation of Information Systems: cost-performance (effectiveness) analysis; selection, evaluation, acquisition, installation, and effective utilization of information systems hardware and software risk assessment;

(3) Systems Analysis and Design: information systems feasibility, life cycle management, system requirements determination, system performance evaluation, conversion and maintenance of legacy systems, post-implementation evaluation;

(4) Management of Information Systems: metrics evaluation, monitoring, capacity planning, human resource management, budgeting and financial control of computer centers, design of effective organization structure, understanding architectural constraints, control and security (INFOSEC) policies, and training requirements for both the user and support staff;

(5) Adapting to Technological, Organizational, and Economic Changes: Evaluation of potential impacts of new technology on information systems and organizational strategy.

f. **Military Applications -** The Officer must be able to combine analytical methods and technical expertise with operational experience for effective military applications to include:

(1) DoD Decision-Making Process on Information Systems: DoD, DoN, OMB, and congressional decision making on information systems matters;

(2) Information Technology Acquisition Management: Acquisition policies and procedures of the DoD, including: statutory framework, acquisition planning, contracting, and the planning, programming, and budgeting system;

(3) Joint Professional Military Education (JPME) Level 1.

g. **Independent Research -** The graduate will demonstrate the ability to conduct independent research analysis and proficiency in communicating the results in writing and orally by means of a field application study. The research in information technology and its management will include problem formulation, decision criteria specification, decision modeling, data collection and experimentation, analysis, and evaluation.

APPROVED:	MAJOR AREA SPONSOR	JUN 14 2016 DATE
APPROVED:	PRESIDENT, NPS	JUN 30 2016 DATE
APPROVED:	DIRECTOR, TFMTER (OPNAV N12)	2 August 2016 DATE

Enclosure (2)