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Supply Acquisition and Distribution Management

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Supply Acquisition and Distribution Management 1301 Subspecialty 810 Curriculum

#810 Supply Acquisition, Distribution Management, 1301P

Approved Schools

[Carnegie Mellon University](#)

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[University of Virginia](#)

[Pennsylvania State University](#)

[Yale University](#)

[Rice University](#)

Educational Skills Requirements (ESRs)

The officer must have an understanding of the operating processes and concepts of the private sector and the ability to apply these processes and concepts to the Navy and joint military environment. Officers must have the requisite knowledge of theories, principles, and techniques of interdisciplinary management of a complex business system to include inter and intra-corporate relationships. This

knowledge base may combine various aspects of regional, national, international, and environmental stewardship, education and general experiences through a diverse educational perspective. **(General)**

1. The officer must have a basic understanding of private and public organizational financing, including corporate financial structures; cost and financial accounting; capital budgeting techniques; and financial



analysis. The officer must be able to develop and implement a financial planning structure in conformity with fiscal restraints to include government policy. The officer should be able to employ various techniques to financial analysis, allocation of funds, and developing alternate sources and forms of financing. **(Finance)**

2. The officer must be able to collect, process, analyze, and report information generated by organizations, based on approved financial and management accounting concepts. **(Financial Reporting/Accounting)**

3. The officer must have knowledge of the principles of economics, including monetary and fiscal theories. **(Economics)**

4. The officer must have an understanding of human behavior aspects of management and be able to apply managerial applications of social science concepts and research findings. Officers must display an awareness of learning modes, motivation techniques, decision-making concepts, and the value of extended professional networks. **(Management)**

5. The officer must have an understanding of modern information systems and their impact to large organizations. Officers must be able to use decision analysis tools in order to use information effectively in business solutions. **(Information Systems)**

6. The officer must have an understanding of operations management to include supply chain management. Officers should be familiar with modern planning and productivity concepts. **(Operations)**

7. The officer must have the requisite knowledge of strategy in a competitive environment. Officers must be able to integrate core business concepts into business solutions. **(Strategy)**

8. The officer must have a working knowledge of statistics as it is utilized in decision-making. Officers should have a foundation in quantitative methods for resource allocation, optimization, and cost-benefit analysis. **(Statistics/Data Analysis)**

9. The officer must be proficient in oral and written communications. This proficiency includes the ability to complete primary and secondary research, including documentation and presentation results. **(Communication/Communication Methods)**

10. The officer must have a foundation in ethics. Officers should understand the value of sustainable solutions in the modern global environment. **(Ethics)**

Supply Acquisition and Distribution Management

1307 Subspeciality

811 Curriculum

#811 Petroleum Management, 1307P

Approved Schools

[University of Kansas](#)

Educational Skills Requirements (ESRs)

The officer must have an understanding of the operating processes and concepts of the private sector and the ability to apply these processes and concepts to the Navy and joint military environment. Officers must have the requisite knowledge of theories, principles, and techniques requisite to petroleum management:

1. The officer must have a basic understanding of private and public organizational financing. The officer must be able to develop and implement a financial planning structure in conformity with fiscal restraints to include government policy. The officer should be able to employ various finance techniques. Specifically, the officer must have knowledge of the principles, practices, and problems of financial market exchange rates, balance-of-payment restraints, and governmental policies in regard to the petroleum industry.

2. The officer must be able to collect, process, analyze, and report information generated by

organizations, based on approved financial and management accounting concepts.

3. The officer must have knowledge of the principles of managerial economics, including monetary and fiscal theories.
4. The officer must have an understanding of human behavior aspects of management and be able to apply managerial applications of social science concepts and research findings. Officers must display an awareness of leading modes, motivation techniques, decision-making concepts, and the value of extended professional networks.
5. The officer must have an understanding of modern information systems and their impact to large organizations. Officers must be able to use decision analysis tools in order to use information effectively in business solutions.
6. The officer must have an understanding of operations management to include supply chain and life cycle management.
7. The officer must have the requisite knowledge of strategy in a competitive environment. Officers must be able to integrate core business concepts into business solutions.
8. The officer must have working knowledge of statistics as it is utilized in decision-making. Officers should have a foundation in quantitative methods for resource allocation, optimization, and cost benefit analysis.
9. The officer must be proficient in oral and written communications. This proficiency includes the ability to complete primary and secondary research, including documentation and presentation results.
10. The officer must have a foundation of ethics. Officers should understand the value of sustainable solutions in the modern global environment.
11. The officer must possess the capability to develop worldwide distribution and control for the petroleum products.
12. The officer must possess a comprehensive knowledge of petroleum safety regulations and systems. This includes safety in handling POL products and precautions against fire and explosions, and explosive ranges; and the ability to apply the theories which control the flow of static electricity and stray currents for the prevention of fire hazards.
13. The officer must understand petro-chemical engineering applications for tank type storage operations and pipeline systems design, including corrosion control aspects of these operations.
14. The officer must understand the chemical and physical properties of petroleum products especially as they relate to fuel quality control issues.
15. The officer must understand the interactions between petroleum technology and society, such as energy conservation and environmental protection; including the ecological and environmental implications of petroleum operations. Understanding of environmental aspects of fuel spills on land and water is critical.
16. The officer must possess a comprehensive understanding of the proper usage of chemical and physical sampling and equipment and techniques to determine the presence and significance of water and sediment, and its removal from petroleum products.
17. The officer must possess a basic understanding of petroleum refining facilities and operations to ensure the integrity of petroleum products used in a defense environment. The officer must possess an understanding of the private petroleum industry and of contract procurement and administration procedures. The officer must have a general understanding of the refining process especially as it relates to quality concerns.

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