

Establishment Educational Skill Requirements
 Subspecialty 6502
 Curriculum 816/836

1. Curriculum Number: 816/836 Systems Acquisition Management
2. Institutions: Naval Post Graduate School
3. Funding: Students are fully funded through the Advanced Education Quota Plan
4. Curriculum length in months: 18/24 months
5. Month(s) the program starts: Variable
6. Academic Profile Code (APC) Required: 345/355
7. Billet Coding: Community Managers have agreed to allow billets to be coded for Requirements Management (6511) and officers to be educated for this curriculum.

Designator	OCM	Contact Information	Approval Date
11XX	CDR D. Michael Ray	[REDACTED]	
13XX	CDR Patrick Hansen		
15XX	CAPT Steven Milinkovich		
18XX	CAPT James Scarcelli		

8. Budget Submitting Offices have agreed to allow billets to be coded for Requirements Management (6511) and are listed in enclosure (4).

9. Specific Educational Skill Requirements for 816/836 (Systems Acquisition Management):
 The Systems Acquisition Management curriculum is an interdisciplinary program designed to integrate business principles, program leadership and management theory, operations analysis, and systems engineering applications. It is uniquely tailored to federal government acquisition management and intensive exposure to the fundamental principles of the acquisition environment. In addition, graduates with experience afloat will be prepared to serve ashore as program managers and in technical/analytical billets on headquarters staffs.

a. **ESR 1: 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. **ESR 2: Advanced Leadership and Management Concepts.** The graduate will have the ability to apply advanced leadership, management and operations research techniques to defense problems. This includes policy formulations and execution, strategic planning, defense resource allocation, project leadership, cost benefit and cost effectiveness analysis, federal fiscal policy, computer-based information and decision support systems, and complex managerial situations requiring comprehensive integrated leadership abilities.

c. **ESR 3: Program Leadership and Management Principles.** The graduate will have an understanding of and will be able to apply the principles, concepts, and techniques of Program Leadership and Program Management to the acquisition of major defense weapon systems and automated information systems as well as services. This includes the principles of risk management and tradeoff decision analysis using Total Ownership Cost, schedule and performance dynamics from a total life cycle management perspective.

d. **ESR 4: Program Management Policies.** The graduate will have an ability to formulate and execute defense acquisition policies, strategies, plans, and procedures; an understanding of the policy-making roles of various federal agencies of the executive, legislative, and judicial branches of the U.S. Government, particularly the Department of Defense (DoD), the General Accounting Office (GAO), congressional committees, the Office of the Management and Budget (OMB); and an understanding of the strategies necessary to influence policy development and implementation.

e. **ESR 5: Systems and Acquisition Process.** The graduate will understand the theory of and have an ability to lead program teams and manage the systems acquisition process. This involves the system life cycle process for requirements determination, research and development, funding and budgeting, procurement, systems engineering, including systems of systems, test and evaluation, manufacturing and quality control, integrated logistics support, ownership and disposal; the interrelationship between reliability, maintainability, and logistics support as an element of system effectiveness in defense systems/equipment design; and embedded weapons systems software, particularly related to current policies and standards, software metrics, risk management, inspections, testing, integration, and post-deployment software support.

f. **ESR 6: Contract Management.** The graduate will understand the role of contracting process within the acquisition environment, including financial, legal, statutory, technical, and managerial constraints in the process.

g. **ESR 7: Business Theory and Practices.** The graduate will have an understanding of the business and operating philosophies, concepts, practices and methodologies of the defense industry with regard to major weapon systems acquisition, particularly the application of sound business practices.

h. **ESR 8: Government and Industry Budgeting and Financial Management.** The graduate will have an understanding of and an ability to apply the principles of government and private organizational financing, including corporate financial structures, cost, and financial accounting, capital budgeting techniques, financial analysis, and Defense financial management and budgeting processes to include the Planning, Programming, Budgeting Execution System (PPBES).

i. **ESR 9: Acquisition Workforce.** The graduate will satisfy all requirements of the Defense Acquisition Workforce Improvement Act (DAWIA) and mandatory Program Management course required by the Defense Acquisition University (DAU) at Levels I, II, and III.

j. **ESR 10: Ethics and Standards of Conduct.** The graduate will have an ability to manage and provide leadership in the ethical considerations of defense acquisition, including the provisions of procurement integrity, and to appropriately apply defense acquisition standards of conduct.

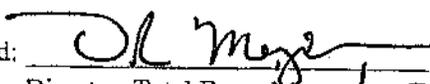
k. **ESR 11: Analysis, Problem Solving, and Critical Thinking.** The graduate will demonstrate the ability to conduct research and analysis, and proficiency in presenting the results in writing and orally by means of an applied project and a command-oriented briefing appropriate to this curriculum.

Approved: 
President, Naval Postgraduate School

20 Jan 2017
Date

Approved: 
Deputy Chief of Naval Operation for Warfare
Integration (OPNAV N9I)

11 JAN 17
Date

Approved: 
Director, Total Force Manpower, Training, and
Education Requirements (OPNAV N12)

30 JAN 2017
Date