

Appendix A

★CIP Education Matrices (Changed 31 Oct 2020)

1. Description of CIP Education Matrix:

1.1. The Classification of Instructional Programs (CIP) provides a taxonomic scheme providing accurate tracking and reporting of fields of study and program completions activity. CIP was originally developed by the U.S. Department of Education's National Center for Education Statistics (NCES) in 1980, with revisions occurring in 1985, 1990, and 2000. For more information on CIP codes and descriptions, visit <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55>. By using CIP codes, each AFS can define, specifically, entry education requirements for the career field. CIP codes and associated descriptions are based on a tiered structure. An officer's education must be mapped to a CIP code and then used for accession into an AFS.

1.2. CIP Education Matrix Rule set.

1.2.1. For entry into the AFS, it is mandatory that an officer accession meet at least one of the tiers listed in the CIP matrix for the AFS in which they are to be accessed. Each AFS has a different set of requirements and tier structure. If an officer doesn't meet any of the tier requirements in the matrix, they are not qualified to enter the AFS. Each tier in the matrix contains definitions for the following: target accession rates, CIP codes and associated descriptions of the CIP codes, and requirement type for entry in the AFS tier.

1.2.2. Target Accession Rates are defined in each AFS's CIP Education Matrix. Tier 1 target accession rates are generally the largest because the desired population for each AFS should be a tier 1 officer. Tier 2 and tier 3 target accession rates follow suit. There are some AFSs which have only one tier due to the strict educational entry requirements. 61CXN and 61DXN have only one tier defined with target accession rates for these AFSCs being 100%. When distributing officer accessions across the education needs of all AFSs, tier 1 requirements are considered first until the pool of available accessions with matching education has been exhausted. Tier 2 accessions will then be considered, then tier 3, and so on. When the remaining accessions do not match tier requirements for a specific AFS, the career field will stop accessing new officers for the year and the remaining accessions will enter other AFSs with more compatible education requirements.

13M – Airfield Ops

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> 50%	29.0402	Air and Space Operations Technology	Desirable
			Or	
		49.01XX	Air Transportation (All subsets 49.0101-49.0199)	
2	> 30%	52.01XX	Business/Commerce	Desirable
			Or	
		52.02XX	Business Administration, Management and Operations	
			Or	
		52.06XX	Business/Managerial Economics	
			Or	
		52.07XX	Entrepreneurial and Small Business Operations	
			Or	
		52.11XX	International Business	
			Or	
		52.12XX	Management Information Systems and Services	
			Or	
		52.13XX	Management Sciences and Quantitative Methods	
			Or	
		52.14XX	Marketing	
			Or	
52.18XX	General Sales, Merchandising & Related Marketing Operations			
	Or			
52.19XX	Specialized Sales, Merchandising and Marketing Options			
	Or			
52.20XX	Construction Management			
3	< 20%	XX.XXXX	Any Degree	Permitted

★13N – Nuclear and Missile Operations

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> = 10%	04.02XX – 04.05XX	Architecture and Planning	Mandatory
		11.01XX	Computer and Information Sciences	
		11.02XX	Computer Programming	
		11.04XX	Information Sciences/Studies	
		11.05XX	Computer Systems Analysis	
		11.XXXX	Computer Science	
		11.08XX	Computer Software and Media Applications	
		11.09XX	Computer Systems Networking and Telecommunications	
		14.01XX	Engineering, General	
		14.03XX – 14.14XX	Specific Engineering Disciplines (from Aerospace to Environmental Engineering)	
		14.27XX – 14.28XX	Specific Engineering Disciplines (from Systems to Textiles Engineering)	
		14.37XX	Operations Research	
		27.XXXX	Mathematics and Statistics	
		29.0203, 29.0205, 29.0207	Signal/Geospatial Intelligence, Information/Cyber Operations/Warfare	
		29.03XX	Military Applied Sciences	
		30.0601	Systems Science and Theory	
		30.0801	Mathematics and Computer Science	
		30.1601	Accounting and Computer Science	
		30.3001	Computational Science	
		30.3101	Human Computer Interaction	
40.XXXX	Physical Sciences			
52.02XX	Business Administration, Management and Operations			
52.13XX	Management Sciences and Quantitative Methods			
2	< = 90%	XX.XXXX	Any Degree	Permitted

130 – Multi-Domain Warfare Officer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
2	100%	XX.XXXX	Any Degree	Desirable

13S – Space Operations

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> = 40%	14.02XX	Aerospace, Aeronautical and Astronautical Engineering	Mandatory
		14.10XX	Electrical, Electronics and Communications Engineering	
		14.27XX	Systems Engineering	
		27.XXXX	Mathematics and Statistics	
		29.0305	Space Systems Operations	
		40.02XX	Astronomy and Astrophysics	
2	> = 40%	11.01XX	Computer and Information Sciences	Desired
		11.02XX	Computer Programming	
		11.04XX	Information Sciences/Studies	
		11.05XX	Computer Systems Analysis	
		11.07XX	Computer Science	
		11.08XX	Computer Software and Media Applications	
		11.09XX	Computer Systems Networking and Telecommunications	
		11.10XX	Computer/Information Technology Administration and Management	
		14.0101	Engineering, General	
		14.04XX	Architectural Engineering	
		1406XX	Ceramic Sciences and Engineering	
		14.07XX	Chemical Engineering	
		14.08XX	Civil Engineering	
		14.09XX	Computer Engineering	
		14.11XX	Engineering Mechanics	
		14.12XX	Engineering Physics	
		14.13XX	Engineering Science	
		14.14XX	Environmental/Environmental Health Engineering	
		14.18XX	Materials Engineering	
		14.19XX	Mechanical Engineering	
		14.20XX	Metallurgical Engineering	
		14.23XX	Nuclear Engineering	
		14.32XX	Polymer/Plastics Engineering	
		14.35XX	Industrial Engineering	
		14.36XX	Manufacturing Engineering	
		14.37XX	Operations Research	
		14.38XX	Surveying Engineering	
		14.39XX	Geological/Geophysical Engineering	
		14.41XX	Electromechanical Engineering	
		14.42XX	Mechatronics, Robotics, and Automation Engineering	
		14.44XX	Engineering Chemistry	
		29.0203	Signal/Geospatial Intelligence	
		29.0204	Command & Control (C3, C4I) Systems and Operations	
		29.0205	Information Operations/Joint Information Operations	
		29.0207	Cyber/Electronic Operations and Warfare	
		29.0301	Combat Systems Engineering	
29.0302	Directed Energy Systems			
29.0304	Low-Observables and Stealth Technology			
30.06XX	Systems Science and Theory			
30.08XX	Mathematics and Computer Science			
30.30XX	Computational Science			
40.08XX	Physics			
3	< = 20%	XX.XXXX	Any Bachelor or Master of Science Degree	Permitted

14F – Information Operations - Education Matrix (Changed 30 Apr 19)

14F – Information Operations – Education Requirements

1	> 70%	30.17 Series	Behavioral Sciences	Mandatory	
			Or		
		30.26 Series	Cultural Studies/Critical Theory and Analysis		
			Or		
		42.01 Series	Psychology, General		
			Or		
		42.27 Series (Any)	Research and Experimental Psychology		
			Or		
		45.01 Series (Any)	Social Sciences, General		
			Or		
	45.02 Series (Any)	Anthropology	Desired		
	Or				
	45.11 Series (Any)	Sociology			
2	< 15%	45.09		International Relations and Affairs	
				Or	
		09.01 Series (Any)		Communication and Media Studies	
				Or	
	09.09 Series (Any)	Public Relations, Advertising, and Applied Communication			
3	< 15%	30.23 Series		Intercultural/Multicultural and Diversity Studies	Permitted
				Or	
		30.25 Series	Cognitive Science		
			Or		
	52.14 Series	Marketing			

***NOTE - Education Requirement can be waived by 14F CFM; 24 months of experience in Information Operations functions is required to be considered for waiver.**

14N – Intelligence (Changed 30 Apr 19)

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	30%	11.XXXX	Computer and Information Sciences and Support Services	Mandatory
			Or	
		14.XXXX	Engineering	
			Or	
		27.XXXX	Mathematics and Statistics	
	40.XXXX	Physical Sciences	Mandatory	
2	45%	05.XXXX		Area, Ethnic, Cultural, Gender, and Group Studies
				Or
		16.XXXX		Foreign Languages, Literatures, and Linguistics
				Or
		22.XXXX		Legal Studies
				Or
		24.XXXX		Liberal Arts and Sciences, General Studies, and Humanities
				Or
		45.XXXX		Social Sciences
			Or	
	54.XXXX	History	Desired	
3	20%	9.XXXX		Communication, Journalism, and Related Programs
				Or
		13.XXXX		Education
				Or
		23.XXXX	English Language and Literature/Letters	
	Or			
	28.XXXX	Military Science, Leadership, and Operational Art		

			Or	
		29.XXXX	Military Technologies and Applied Sciences	
			Or	
		30.XXXX	Multi/Interdisciplinary Studies	
			Or	
		35.XXXX	Interpersonal and Social Skills	
			Or	
		38.XXXX	Philosophy and Religious Studies	
			Or	
		42.XXXX	Psychology	
			Or	
		43.XXXX	Homeland Security, Law Enforcement, Firefighting, and Related Protective Services	
			Or	
		49.0101	Aeronautics/Aviation/Aerospace Science and Technology, General	
			Or	
		52.XXXX	Business, Management, Marketing, and Related Support Services	
4	< 5%	XX.XXXX	Any Degree	Permitted

★15A - Operations Research Analyst – Education Requirements (Changed 31 October 2020)

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	>65%	(0YE*) 14.37 Series	Operations Research	Mandatory
			or	
		(6**) 27 Series	Mathematics and Statistics	
			or	
		(4L**) 14.35	Industrial Engineering	
			or	
		(0C**) 30.3001	Computational Science (Data Science/Analytics)	
	30.7001	Data Science		
2	<25%	(0C**) 11.0701	Computer Science	Desirable
			or	
		(4T**) 14.27	Systems Engineering	
			or	
	(9BJ*) 45.0603	Quantitative Economics		
3	<10%	(4A**/4E**/4G**/4I**/4M**/4W**) Any 14 Series Except 14.0102	Engineering	Permitted
			or	
		(8H**) 40.08 Series	Physics	
			or	
	(9B**) 45.06 Series	Other Economics		

Note: The primary feeder degree for 15A Career Field is Operations Research. Ideally, a significant majority of 15As would access with this degree. Tier 2 “Desirable” degrees are close affiliates to the Operations Research degree and some 15A positions have Advanced Academic Degree requirements in these specialties. Tier 3 “Permitted” degrees have a limited affiliation with Operations Research, but have a desired technical aptitude or complimentary skill set.

★15W – Weather and Environmental Sciences (Effective 31 Oct 20)

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> or = 60%	40.04XX	Atmospheric Sciences or Meteorology(must meet BIP-M Standards)	Mandatory
2	< or = 20 %	27.XXXX	Mathematics and Statistics	Permitted
		30.08	Mathematics and Computer Science	
		30.30	Computational Science	
		41.XXXX	Science Technologies/Technicians	
			Or	
		40.XXXX (except 40.04XX)	Physical Science	
3	< or = 20 %	Any STEM within 40.XXX or 40.999	Science, Mathematics and General Sciences	Permitted (Note 2)

NOTE: Minimum requirements for all Tier 1 include 6 semester hours of calculus and 6 semester hours of calculus-based physics, and 3 semester hours of ordinary differential equations. The World Meteorological Organization’s Basic Instruction Package for Meteorologists (BIP-M) requires at least 24 semester (36 quarter) hours of credit in meteorology/atmospheric science including a minimum of:

- a. Six semester hours of atmospheric dynamics and thermodynamics;
- b. Six semester hours of analysis and prediction of weather systems (synoptic/mesoscale);
- c. Three semester hours of physical meteorology; and
- d. Two semester hours of remote sensing of the atmosphere and/or instrumentation.

Individuals completing programs listed in the Tier 2 requirements are accessed based on the availability of the Basic Meteorology Program (BMP) and ability to complete BIP-M standards within one year while receiving core meteorology instruction at BMP.

NOTE 2: Waiver required. All Tier 3 must apply for an entry waiver. Contact AF/A3WT, Force Management Division, for waiver package content and instructions.

★16F – Foreign Area Officer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	45.09XX	International Relations and National Security Studies (Master’s)	Mandatory

★17D – Cyberspace Operations

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	70%	11.XXXX (Excluding 11.03XX and 11.06XX)	Computer and Information Sciences and Support Services	Mandatory
			Or	
		14.09XX	Computer Engineering	
			Or	
		14.1201	Engineering Physics/Applied Physics	
			Or	
		14.3501	Industrial Engineering	
			Or	
		14.4101	Electromechanical Engineering	
			Or	
		14.10XX	Electrical, Electronics and Communications	
	Or			

		15.0303	Electrical, Electronics and Communications Engineering Technology/Technician	
			Or	
		15.1202	Computer Technology/Computer Systems Technology	
			Or	
		29.0207	Cyber/Electronics Operations and Warfare	
			Or	
		30.08XX	Mathematics and Computer Science	
			Or	
		30.16XX	Accounting and Computer Science	
			Or	
		30.3001	Computational Science	
			Or	
		52.12XX	Management Information Systems	
			Or	
		27.0103, 27.0303, 27.0304	Mathematics	
			Or	
		14.XXXX (Excluding 14.0102)	Engineering	
			Or	
		15.03XX, 15.04XX, 15.08XX, 15.12XX, 15.14XX	Engineering Technologies	
			Or	
		27.XXXX	Mathematics and Statistics	
			Or	
		40.08XX	Physics	
			Or	
		40.05XX	Chemistry	
2	20%			Desired
3	10%	Any	Any Degree	Permitted

★17S – Cyber Warfare Operations

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	80%	11.XXXX (Excluding 11.03XX and 11.06XX)	Computer and Information Sciences and Support Services	Mandatory
			Or	
		14.09XX	Computer Engineering	
			Or	
		14.1201	Engineering Physics/Applied Physics	
			Or	
		14.3501	Industrial Engineering	
			Or	
		14.4101	Electromechanical Engineering	
			Or	
		14.10XX	Electrical, Electronics and Communications	
			Or	
		15.0303	Electrical, Electronics and Communications Engineering Technology/Technician	
			Or	
		15.1202	Computer Technology/Computer Systems Technology	
	Or			
		29.0207	Cyber/Electronics Operations and Warfare	

			Or	
		30.08XX	Mathematics and Computer Science	
			Or	
		30.16XX	Accounting and Computer Science	
			Or	
		30.3001	Computational Science	
			Or	
		52.12XX	Management Information Systems	
			Or	
		27.0103, 27.0303, 27.0304	Mathematics	
2	15%	14.XXXX (Excluding 14.0102)	Engineering	Desired
			Or	
		15.03XX, 15.04XX, 15.08XX, 15.12XX, 15.14XX	Engineering Technologies	
			Or	
		27.XXXX	Mathematics and Statistics	
			Or	
		40.08XX	Physics	
			Or	
		40.05XX	Chemistry	
3	5%	Any	Any Degree	Permitted

19Z – Special Warfare (Established 30 April 2020)

Tier Requirement Target Accession Rate CIP Education Program Description

1	100%	XX.XXXX	Any Degree	Desirable
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Current accessions process incorporates Aptitude, Physical and Leadership assessments. This AFSC has no specific degree requirement.

★21A – Aircraft Maintenance

Tier Target Accession Rate CIP Education Program Description Requirement

1	> 10%	14.XX	Engineering, General	Desirable
2	> 65%	40.XXXX	Physical Sciences	Desirable
		15.1501	Engineering/Industrial Management	
			Data Analytics	
			Supply Chain Management	
			Process Engineering	
			Ops Research	
		52.02XX	Business Administration	
		52.0409	Parts, Warehousing and Inventory Management	
		52.06XX	Business/Managerial Economics	
		11.01XX	Computer and Information Science	
		11.02XX	Computer Programming	
		11.03XX	Data Processing	
		11.04XX	Information Science/Studies	
		11.07XX	Computer Science	
		11.10XX	Computer/Information Technology Administration and Management	
		52.12XX	Management Information Systems	
		49.0104	Aviation/Airway Management and Operations	
49.0101	Aeronautics/Aviation/Aerospace Science and Technology			
3	> 25%	XX.XXXX	Any Degree	Permitted

★21M – Munitions and Missile Maintenance

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> 10%	14.XX	Engineering, General	Desirable
		14.02XX	Aerospace, Aeronautical and Astronautical Engineering	
		14.23XX	Nuclear Engineering	
		14.27XX	Systems Engineering	
		14.35XX	Industrial Engineering	
		14.41XX	Electromechanical Engineering	
2	> 70%	11.07XX	Computer Science	Desirable
		11.01XX	Computer and Information Sciences	
		11.10XX	Computer/Information Technology	
		27.XXXX	Mathematics and Statistics	
		29.0407	Missile and Space Systems Technology	
		29.0408	Munitions Systems/Ordnance Technology	
		40.XXXX	Physical Sciences	
		15.1501	Engineering/Industrial Management	
			Data Analytics	
			Supply Chain Management	
			Process Engineering	
			Ops Research	
		52.02XX	Business Administration	
		52.0409	Parts, Warehousing, and Inventory Management	
52.06XX	Business/Managerial Economics			
52.13XX	Management Sciences and Quantitative Methods			
3	> 20%	XX.XXXX	Any Degree	Permitted

★21R – Logistics Readiness

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> 10%	14.25XX	Petroleum Engineering	Desirable
		14.07XX	Chemical Engineering	
2	> 70%	11.01XX	Computer and Information Science	Desirable
			Data Analytics	
			Supply Chain Management	
			Process Engineering	
			Ops Research	
		11.02XX	Computer Programming	
		11.03XX	Data Processing	
		11.04XX	Information Science/Studies	
		11.07XX	Computer Science	
		11.10XX	Computer/Information Technology Administration and Management	
		15.1501	Engineering/Industrial Management	
		45.06XX	Economics	
		49.0101	Aeronautics/Aviation/Aerospace Science and Technology	
		52.02XX	Business Administration	
		52.03XX	Accounting and Related Services	
		52.0409	Parts, Warehousing, and Inventory Management	
		52.06XX	Business/Managerial Economics	
52.08XX	Finance and Financial Management Services			
52.12XX	Management Information Systems and Services			
3	> 20%	XX.XXXX	Any Degree	Permitted

31P – Security Forces

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> 80%	43.0103	Criminal Justice/Law Enforcement Admin, or	Desirable
		43.0104	Criminal Justice/Safety Studies, or	
		45.0902	National Security Policy Studies	
		43.0107	Criminal Justice/Police Science, or	
		43.0111	Criminalistics and Criminal Science, or	
		43.0112	Securities Services/Administration, or	
		43.0114	Law Enforcement Investigation/Interviewing, or	
		43.0118	Law Enforcement Intelligence Analysis, or	
		43.0119	Critical Incident Response/Special Police Ops, or	
		43.0120	Protective Services Operations, or	
		43.0102	Corrections, or	
		43.0113	Corrections Administration, or	
	< 20%	43.0199	Corrections and Criminal Justice, or	Desirable
		43.0301	Homeland Security, or	
		43.0302	Crisis/Emergency/Disaster Management, or	
		43.0303	Critical Infrastructure Protection, or	
		43.0304	Terrorism and Counterterrorism Operations, or	
		43.9999	Homeland Security/Law Enforcement/Protective Services, or	
		45.0401	Criminology, or	
		45.1101	Sociology, or	
		22.0000	Legal Studies (Undergraduate), or	
		22.0001	Pre-Law Studies, or	
		22.9999	Legal Professions and Studies, Other (Undergraduate)	
		2	< 20%	

32E – Civil Engineering

32EXA – Architect/Architectural Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	04.02XX	Architecture	Mandatory
			Or	
		14.0401	Architectural Engineering	

32EXC – Civil Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.08XX	Civil Engineering	Mandatory

32EXE – Electrical Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.10XX	Electrical, Electronics and Communications Engineering	Mandatory

32EXF – Mechanical Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.1901	Mechanical Engineering	Mandatory

32EXG – General Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.0401	Architectural Engineering	Mandatory
			Or	
		14.08XX	Civil Engineering	
			Or	
		14.10XX	Electrical, Electronics and Communications Engineering	
			Or	
		14.1401	Environmental/Environmental Health Engineering	
			Or	
		14.1901	Mechanical Engineering	
			Or	
		14.3301	Construction Engineering	
			Or	
		14.3501	Industrial Engineering	

32EXJ – Environmental Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.1401	Environmental/Environmental Health Engineering	Mandatory

★35P – Public Affairs

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> or = 70%	09.XXXX	Communication, Journalism and Related Programs	Mandatory
2	> or = 20%	23.13	Rhetoric and Composition/Writing Studies	Desired
			Or	
		42 Series	Psychology	
			Or	
		45.09XX	International Relations and National Security Studies	
			Or	
		45.10XX	Political Science and Government	
			Or	
		52.14XX	Marketing	
3	< or = 10%	XX.XXXX	Any Degree	Permitted

38F – Force Support

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	20%	27.XXXX	Mathematics and Statistics	Mandatory
			Or	
		14.3701	Operations Research	
			Or	
		14.3501	Industrial Engineering	
			Or	
		52.13XX	Management Sciences and Quantitative Methods	
		30.1601	Accounting and Computer Science	
			Or	
		30.1701	Behavioral Science	
			Or	
		42.2804	Industrial and Organizational Psychology	
			Or	
		44.04XX	Public Administration	
			Or	
		44.05XX	Public Policy Analysis	
			Or	

2	> 65%	45.06XX	Economics	Desirable
			Or	
		52.02XX	Business Administration, Management and Operations	
			Or	
		52.03XX	Accounting and Related Services	
			Or	
		52.06XX	Business/Managerial Economics	
			Or	
		52.08XX	Finance and Financial Management Services	
	Or			
		52.10XX	Human Resources Management and Services	
3	< 15%	XX.XXXX	Any Degree	Permitted

61C – Chemist/Nuclear Chemist

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> 60%	14.07 Series (Any)	Chemical Engineering	Mandatory
			Or	
		26.0202	Biochemistry	
			Or	
		26.0205	Molecular Biochemistry	
			Or	
		40.05 Series (Any)	Chemistry	
2	< 30%	14.0601	Ceramic Sciences and Engineering	Desired
			Or	
		14.1801	Materials Engineering	
			Or	
		14.3201	Polymer/Plastics Engineering	
			Or	
		14.4301	Biochemical Engineering	
			Or	
		14.4401	Engineering Chemistry	
			Or	
		26.021	Biochemistry and Molecular Biology	
			Or	
		26.0299	Biochemistry, Biophysics and Molecular Biology, Other	
	Or			
		40.10 Series (Any)	Materials Science	
3	< 10%	14.0501	Bioengineering and Biomedical Engineering	Permitted
			Or	
		14.2001	Metallurgical Engineering	
			Or	
		14.2501	Petroleum Engineering	
			Or	
		14.4501	Biological/Bio-systems Engineering	

61CXN – Chemist/Nuclear Chemist, Nuclear

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	40.0506	Physical Chemistry	Mandatory
			Or	
		40.0508	Chemical Physics	
			Or	
		40.0599	Chemistry, Other: Specifically Radiochemistry, Nuclear Chemistry or similar sub-disciplines	

61D – Physicist/Nuclear Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.12 Series (Any)	Engineering Physics	Mandatory
			Or	
		14.23 Series (Any)	Nuclear Engineering	
			Or	
		40.02 Series (Any)	Astronomy and Astrophysics	
		40.08 Series (Any)	Physics	

61DXN – Physicist/Nuclear Engineer, Nuclear

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.23 Series (Any)	Nuclear Engineering	Mandatory
			Or	
		40.0202	Astrophysics	
			Or	
		40.0802	Atomic/Molecular Physics	
			Or	
		40.0804	Elementary Particle Physics	
			Or	
		40.0805	Plasma and High-Temperature Physics	
		40.0806	Nuclear Physics	

62E – Developmental Engineer

62EXA – Aeronautical Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.02 Series (Any)	Aerospace, Aeronautical and Astronautical Engineering *Concentration in Aeronautical Engineering	Mandatory

62EXB – Astronautical Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.02 Series (Any)	Aerospace, Aeronautical and Astronautical Engineering *Concentration in Astronautical Engineering	Mandatory

★62EXC – Computer Systems Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.09 Series (Any)	Computer Engineering	Mandatory
			Or	
		14.47 Series (Any)	Electrical and Computer Engineering	

★62EXE – Electrical/Electronic Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.10 Series (Any)	Electrical, Electronics and Communications Engineering	Mandatory
			Or	
		14.47 Series (Any)	Electrical and Computer Engineering	

62EXF – Flight Test Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14 Series (Any, Excluding 14.0102)	Engineering	Mandatory
			Or	
		27 Series (Any)	Mathematics and Statistics	
			Or	
		40 Series (Any)	Physical Science	

62EXG – Project/General Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14 Series (Any, Excluding 14.0102, 14.37)	Engineering	Mandatory

62EXH – Mechanical Engineer

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.19 Series (Any)	Mechanical Engineering	Mandatory

62EXI – Systems Engineering, Human Factors Engineer/Human Systems Integration

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	100%	14.27 Series (Any)	Systems Engineering (Emphasis on Human Factors Engineering)	Mandatory
			Or	
		14.35 Series (Any)	Industrial Engineering (Emphasis on Human Factors Engineering)	

★63A – Acquisition Manager

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> 20%	14 Series (Any)	Engineering	Mandatory
			Or	
		40 Series (Any)	Physical Science	
2	≥ 70%	11 Series (Any)	Computer and Information Sciences and Support Services	Desired
			Or	
		27 Series (Any)	Mathematics and Statistics	
			Or	
		45.06 Series (Any)	Economics	
			Or	
		52 Series (Any, Excluding 52.04)	Business, Management, Marketing, and Related Support Services	
3	≤ 10%	Any	Any with 24 semester hours of business coursework	Permitted

64P – Contracting

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	>25%	52.XXX	Business, Management, Marketing, and related support services	Desired
2	≥ 20%	14.XXX	Engineering	Desired
		15.XXX	Engineering Technologies and Engineering-Related Fields	
		26.XXX	Biological and Biomedical Sciences	
		27.XXX	Mathematics and Statistics	
		29.XX	Military Technologies and Applied Sciences	
		40.XXX	Physical Sciences	
		41.XXX	Science Technologies/Technicians	
3	≥ 25%	28.XXX	Military Science, Leadership and Op'l Art	Desired
		44.XXX	Public Administration and Social Service Professions	
		45.XXX (Other than 45.06X)	Social Sciences	
		54.XXX	History	
		16.XXX	Foreign Languages	
		23.XXX	English	
		05.XXX	Area, Ethnic, Cultural Studies	
		22.00XX	General Legal Studies	
		22.0101	Law	
		22.02XX	Legal Research and Advanced Professional Studies	
4	≤ 30%	42.XXX	Psychology	Desired
		XX.XXXX	Any Degree	

65F – Financial Management

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> 40%	45.06XX	Economics	Desired
			Or	
		52.03XX	Accounting and Related Services	
			Or	
		52.06XX	Business/Managerial Economics	
			Or	
		52.13XX	Management Sciences and Quantitative Methods	
2	> 30%	52.08XX	Finance and Financial Management Services	Desired
		27.XXXX	Mathematics and Statistics	
			Or	
		52.XXXX	Business, Management, Marketing, and Related Support Services	
3	< 30%		Or	Desired
		14.XXXX	Engineering	
		XX.XXXX	Any	

★71S – Special Investigations

<i>Tier</i>	<i>Target Accession Rate</i>	<i>CIP</i>	<i>Education Program Description</i>	<i>Requirement</i>
1	> 20%	43.01XX	Criminal Justice and Corrections	Desirable
			Or	
2	> 40%	45.0401	Criminology	Desirable
		30.1701	Behavioral Science	
			Or	
		42.2707	Social Psychology	
			Or	
		42.2812	Forensic Psychology	
			Or	
		45.10XX	Political Science and Government	
			Or	
		29.0207	Cyber/Electronics Operations and Warfare	
			Or	
		14.09XX	Computer Engineering	
			Or	
		15.1202	Computer Technology/Computer Systems Technology	
			Or	
		11.0701	Computer Science	
	Or			
05.XXX	Area, Ethnic, Cultural Studies			
	Or			
16.XXX	Foreign Language			
3	> 15%	44.0401	Public Administration	Desirable
			Or	
		52.0201	Business Administration and Management	
			Or	
		52.03XX	Accounting and Related Services	
			Or	
		22.0101	Law	
	Or			
22.00XX	General Legal Studies			
4	> 25%	XX.XXXX	Any Degree	Desirable