WORK ROLE: 16AA

WORKROLE TITLE: GEOINT Analyst (Spectral Image Science)

WORKROLE DESCRIPTION:
GEOINT Analysts (Spectral Image Science) apply advanced techniques to determine the intelligence and geospatial information contained in the electro-optical region of the spectrum. This includes the exploitation of multi- and hyperspectral imagery. They develop algorithms, evaluate tools, and create customized spectral methodologies and products to address a variety of geospatial intelligence problems.

ODNI CORE COMPETENCIES FOR ALL EMPLOYEES OF THE INTELLIGENCE COMMUNITY:

Adaptability	Build Professional/Tech Netwks	Continual Learning
Creative Thinking	Enterprise Perspective	Exploring Alternatives
Influencing/Negotiating	Information Sharing	Interpersonal Skills
Multi-media Communication	Oral Communication	Policy & Directives
Resource Management	Situational Awareness	Synthesis
Written Communication		

WORKROLE FUNCTIONAL COMPETENCIES:

Skills

Advising/Consulting	Analytical Innovation	Customer Rqmts & Service
Data Analysis	Data Preparation	Imaging System Diagnostics
Information Dissemination	Information Gathering & Resch	Methodological Continuity
Organizational Representation	Prototyping	Quality Assurance
Scientific Exploit & Analysis	Scientific Image Manipulation	Technology Evaluation
Verification & Validation		

Knowledges

AGI Methods, Tools, & Tchnqs	Advanced Coll & Exploit Tchnqs	Analytical Prcss & Tchnqs
Atmospheric Physics	Collection & Tasking Prncpls	Data Evaluation Principles
GEOINT Doctrine	GIS Principles	Image Interpretation Prncpls
Imagery Access Sys & Libraries	Imagery Intelligence Products	Imagery Rating Scales
Imagery Science Sys & Tools	Intelligence Issues	NGA Org, Mission, & Vision
NGA Products & Services	Nat Intel Prior Frame (NIPF)	Phenomenology
Quantitative Modeling Tchnqs	Remote Sensing	Sensor Design Technologies
Sensor Fusion	Sensor Processing Cap & App	Software Test Prncpls & Prcds
Spectral Data	Stat & Mathematical Tchnqs	

EDUCATION/LICENSES/CERTIFICATIONS:
A. Education: Bachelor's degree in Engineering, Imagery Science, Mathematics, Physical Science, or a related discipline. -OR- B. Combination of Education and Experience: A minimum of 24 semester (36 quarter) hours of coursework in any area listed in option A, plus experience that demonstrates the ability to successfully perform the duties associated with this work. As a rule, every 30 semester (45 quarter) hours of college work is equivalent to one year of experience. Candidates should show that their combination of education and experience totals 4 years.

ENVIRONMENTAL/PHYSICAL REQUIREMENTS:
Distinguish principal colors and shades/hues of principal colors
Far visual acuity of 20/60 or better binocular with or without corrective
Near visual acuity of 20/20 or better with or without corrective lenses