

WORK ROLE: 20AA

WORKROLE TITLE: GEOINT Analyst (Cartography)

WORKROLE DESCRIPTION:

GEOINT Analysts (Cartography) acquire, analyze, compile, evaluate, and review geospatial data for use in standard products, non-standard products, and/or data holdings in support of mission requirements. They attribute, exploit, extract, format, manipulate, position, and symbolize geospatial information. They ensure the quality, accuracy, and currency of geospatial information produced in-house or in cooperation with contractors and national and international co-producers for national, military, and civil partners.

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	Customer Rqmts & Service	Data Analysis
Data Depiction	Data Management	Data Preparation
Extraction	Image Interpretation	Imagery Manipulation
Information Dissemination	Information Gathering & Resch	Map Reading & Plotting
Mensuration	Process Analysis & Improvement	Product Development & Editing
Quality Assurance		

Knowledges

Analytical Prcss & Tchnqs	Cartographic Principles	Cartography Products
Cartography SW Systems & Tools	Collection & Tasking Prncpls	Compilation Techniques
Data Evaluation Principles	Database Principles	GEOINT Doctrine
GIS Principles	Grids, Proj, Datum, Coords	Image Interpretation Prncpls
Imagery Types	Intelligence Issues	Mensuration Techniques
NGA & Foreign Production Specs	NGA Org, Mission, & Vision	NGA Production Processes
NGA Products & Services	Release & Disclosure Policies	Remote Sensing
Source Analysis Techniques	Web-based Technologies & Cncpt	

EDUCATION/LICENSES/CERTIFICATIONS:

A. Education: Bachelor's degree in Cartography or a major that included, or was supplemented by, at least 30 semester (45 quarter) hours of coursework in Cartography and/or directly related Sciences and Mathematics. Coursework may include, but is not limited to, Astronomy, Cartography, Forestry, Geodesy, Geology, Geophysics, Geographic Information Systems (GIS), Land Surveying, Photogrammetry, Physical and Geological Oceanography, Geography, and Remote Sensing. Computer software classes associated with current technology, GIS courses, and information management classes may also be counted. The 30 semester (45 quarter) hours must include at least 6 semester (9 quarter) hours of college level non-business mathematics or statistics, but these should not account for more than 15 semester (22 quarter) hours. -OR- B. Combination of Education and Experience: A minimum of 30 semester (45 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. -OR- C. Experience: Six years of significant applied experience in the Cartographic field that includes the use of current GIS tools.

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  
Stereopsis ability  
Stereopsis ability required for assignments that require the use of stere