

DD-1601-0042

BASIC GEOGRAPHIC INTELLIGENCE SPECIALIST (BGIS)

Course Number: 14R; 4M-0261.

Location: The School of Geospatial-Intelligence, Fort Belvoir, VA.

Length: 26 weeks (806 hours).

Exhibit Dates: 4/09–Present.

Learning Outcomes: Upon completion of the course, the student will be able to collect, analyze and process geodetic and geophysical data; perform ground control survey operations for weapons delivery systems; analyze, synthesize, and operationalize geographic intelligence systems and remotely - sensed data in a Marine Corps context.

Instruction: Methods of instruction include classroom exercises, lecture, demonstration and practical exercises. General course topics include cartography, geodesy, surveying, geographic information systems, and remote sensing.

Related Competencies: Surveying topics include mapping, site planning, survey equipment, survey techniques, surveying math, and theodolite. Geographic information systems topics include 3D visualization, data management, factor overlays, map production, synthesis, and topographic production. Remote sensing topics include digital image characteristics, electromagnetic spectrum, image analysis, image processing, multispectral imaging, and satellite platforms. Map interpretation topics include coordinate systems, map reading, map scale, mensuration, and projection. Military geography topics include battlefield identification, battlefield preparation, intelligence operations, and synthesis.

Credit Recommendation: In the lower-division baccalaureate/associate degree category, 4 semester hours in surveying, 3 in geographic information systems, 2 in remote sensing, and 2 in map interpretation. In the upper-division baccalaureate degree category, 1 semester in military geography (9/10)(9/10).