



Florida Community College at Jacksonville



**Associate in Science in Building Construction Technology**

**STUDENT DATA:**

**NAME:** ROADMAP'S DEGREE

**SSN:** 000-00-0000

**Credit Potential**  
**Required Credit**

**English Composition (ENC 1101) [EN024A]**

**3.00**

(This course embodies the fundamentals of effective expression with emphasis on the various forms of expository writing, logical and imaginative thinking, and reading for understanding. The course provides instruction in sentence structure, diction, organization of short essays, correct usage of standard American English and an introduction to documentation skills. FCCJ accepts the CLEP General Examination with Essay with a score at or above 50.)

{DANTES Code = 11.07.00}

**Social / Behavioral Sciences or History**

**3.00**

(Credit from college level testing may apply here. Visit the FCCJ website for a complete listing and description of available courses.)

{DANTES Code any 20.XX.XX series}

**College Algebra (MAC 1105) or Pre-Calculus Algebra (MAC 1140)**

**3.00**

**[MH048A, MH054A]**

(Visit the FCCJ website for a description of these courses. This requirement may be filled with college level testing.)

**College Trigonometry (MAC 1114) [MH049A]**

**3.00**

(The major topics in this course are circular functions, solving triangles, trigonometric identities and functions, inverse relations and trigonometric equations, complex numbers, polar coordinates and vectors. May be filled with college level testing)

{DANTES Code = 14.12.00}

**Humanities**

**3.00**

(Select from a list of several. Visit [www.fccj.edu/prospective/programs/indexhtml](http://www.fccj.edu/prospective/programs/indexhtml) for a complete listing and description of available courses. Credit from college level testing may apply here.)

{DANTES Code = 08.06.00 or most 08.XX.XX series}

**Introduction to Building Technology (BCN 1001)**

**3.00**

(This course is an introduction to residential and commercial building construction. It is an overview of principles and practices used by engineers, architects and contractors in the planning and erecting of buildings. An examination of building codes and regulations is included.)

{DANTES Code = 06.09.07}

**Engineering Drawing (ETD 1100) [VO047A] 3.00**

(This survey course consists of the principles and practices involved in making and reading engineering drawings with emphasis on lettering, industrial symbolism, orthographic projection and multiview representation. This course also includes instruction and practice in descriptive geometry.)

{DANTES Code = 07.08.00}

**Engineering Materials and Processes (ETI 1420) [ET065A] 3.00**

(This course is a study of the leading materials used in engineering and building construction. It examines the materials in terms of their properties, forming processes and applications.)

**Concrete (ETC 2450) 3.00**

(The course is a study of the fundamentals of concrete and its use as an engineering material. Topics included in the course are the design of concrete mixtures, use of admixtures, placement, special types of concrete and the field-laboratory procedures used to achieve quality control.)

**Engineering Mechanics (ETG 2502) 3.00**

(This course is an introduction to the basic laws of mechanics and includes a study of force, motion, moments, couples, static equilibrium, centroids, friction, work and energy. The laboratory portion of the course will emphasize the practical aspects of the above topics and will include exercises in measurements, drive systems, linkages, support members, etc.)

{DANTES Code = 07.09.00}

**Soils and Foundations (ETC 2220) 3.00**

(This course covers the criteria used in the selection, design and construction of the elements of a structure that transfers its total load to the underlying formations. Theoretical aspects considered and treated are analysis of subsoil conditions, bearing capacity and settlement analysis, character of natural soil deposits, earth pressure and retaining wall theory, and stability of slopes and subgrades. This course also covers the basic types of prevalent foundations, their design and behavior characteristics.)

**Occupational Safety (ETI 1700) [ET069A] 3.00**

(This course imparts the knowledge essential to safe practices in industry. Included in the course are an examination of current industrial safety management methods and the major provisions of the Occupational Safety and Health Act.)

{DANTES Code = 18.18.00 or 18.19.07}

**Financial Accounting (ACG 2021) [AC022A] 4.00**

(This course is the study of the area of accounting that specializes in the processes and principles used to prepare financial statements.)

{DANTES Code = 03.01.00}

|   |             |
|---|-------------|
| <b>Fundamentals of AC/DC Electricity (EET 1035) [ET013A]</b>  | <b>3.00</b> |
| (This is an introductory course in basic electricity intended for the engineering technology programs. It consists of the concepts, laws and definitions encountered in DC and AC electric circuits.)   |             |
| {DANTES Code = 21.04.03}  |             |
| <b>Planning and Estimating (BCN 2614)</b>   | <b>3.00</b> |
| (This course consists of a study of fundamental planning and a step-by-step method for preparing a quantity survey. The subjects covered in the course include job requirements, costs of construction operations and critical path method (CPM) of scheduling and preparing estimates in accordance with the C.S.I. format.)   |             |
| <b>Surveying (SUR 1101) [VO038A]</b>  | <b>3.00</b> |
| (This course is a study of the fundamentals of surveying with emphasis on distance measurement, leveling, angles, bearings, traverses, topographic data collection and construction layout. The course includes related field work, computations and drawing.)  |             |
| {DANTES Code = 07.06.04}  |             |
| <b>Industrial Supervision (ETI 2781) [MG013A]</b>   | <b>3.00</b> |
| (The purpose of this course is to prepare students for a role in the world of work as they assume responsibilities leading toward supervisory positions and management.)  |             |
| <b>Testing &amp; Strength of Materials (ETG 2530) [ET064A]</b>  | <b>3.00</b> |
| (This course is a study of the basic concepts involved in determining the resistance of engineering materials of various loads with emphasis on the applied use of various formulae for a systematic analysis. The laboratory portion of the course involves actual stress testing with stress testing equipment.)  |             |
| {DANTES Code = 07.09.00}  |             |
| <b>Technical Report Writing (ENC 2210) [EN032A]</b>   | <b>3.00</b> |
| (This is a communications course giving primary emphasis to writing for the professions. The course stresses the use of factual information in descriptive, analytical and researched recommendation reports. The course also provides instruction in writing effective and timely letters, memoranda and informational reports, developing graphs and illustrations, and presenting oral reports. This requirement may be filled with college level testing credit.) |             |
| {DANTES Code = 04.06.02}  |             |
| <b>Internship (BCN 1943)</b>  | <b>3.00</b> |
| <b>Professional Electives</b>   | <b>3.00</b> |
| (Select three credits from the following list of courses. Visit <a href="http://www.fccj.edu/prospective/programs/index.html">www.fccj.edu/prospective/programs/index.html</a> for a description of these courses. Credit from military experience may apply here.  |             |

Managerial Accounting (ACG 2071)

Blueprint Reading (BCT 1113)

Computer Aided Drafting & Design (CGS 2470)

English Composition (ENC 1102)  
Structural Drafting (ETD 2542)  
Pre-calculus Algebra (MAC 1140)  
Dynamics of Behavior (CLP 1001)  
Architectural Drafting (TAR 2021)

**Excess or Duplicate Credit**

**TOTAL** ..... **64.00** **0.00**

Thank you for requesting support from the U.S. Coast Guard Institute (CGI). Whereas we serve as an activity in support of your unit Educational Services Officer (ESO), you are encouraged to seek assistance from your local ESO in your academic endeavors. The following information is provided to help you understand what is presented in this degree plan:

This document is an UNOFFICIAL Degree Plan to provide you with a preliminary assessment of how your prior learning experiences might fit into the specified degree program for this academic institution. If you choose to pursue this degree option, you must present it to a college representative, who will review it for the following:

- o Accurate representation of the college's degree program requirements, including course numbers and titles, credit hours for each course, lower- and upper-level course requirements, and the total number of credits needed for the degree.

- o Appropriate assignment of ACE Guide-recommended credit at the lower or upper level for military service schools and occupations, CLEP, DSST, and other tests, transfer credit for courses from other colleges and universities, certification programs, etc.

- o Appropriate assignment of SOC Course Category Codes from the SOC Handbook Transferability Tables. The SOC Degree Program Handbooks can be obtained from the SOC web site at: [www.soc.aascu.org](http://www.soc.aascu.org) should you wish to learn more about the course transfer guarantees among SOC network institutions.

IMPORTANT NOTE: When you are ready to seek admission into this degree program, please contact the USCG Institute at 1-405-954-7241. Your advisor will send the college or university an official U.S. Coast Guard Institute transcript, a copy of the degree plan, and a ready-for-signature SOC Student Agreement which, when signed by a college official, becomes a contract for degree completion committing the college or university to supporting you in your academic endeavors.

Credit for all courses you have taken must be reflected on official transcripts sent directly to this college from the administrative offices of the colleges you previously attended. This degree plan is often used for information purposes by college counselors pending receipt of the official transcripts from the source colleges.

This degree plan is not intended to compete with your local college or university. Keep in mind, you are allowed to transfer in a significant amount of the degree requirements to this institution. As such, credit from local colleges, college level examination programs, or advanced military training may be applied to this degree. You may also complete the courses necessary from this college either in

residence (on campus or possibly on a military base at a campus extension in the Education Center) or through distance delivery of the courses. If you have questions, please contact the college counselor or your advisor listed at the bottom of this Degree Plan.

## DEGREE PLAN LEGEND:

SH = Semester hours  
VOC = Vocational, not relative to an academic degree  
LL = Lower Level, i.e. courses at the Freshman/Sophomore level  
UL = Upper Level, i.e. courses at the Junior/Senior level  
GL = Graduate Level (sometimes recommended by ACE for very complex courses)  
[#] such as [EN024A] or [EN024B] = SOC Course Category Codes\*  
{#} such as {DANTES Code = 01.02.03} = DANTES Academic Codes \*\*

\* SOC Course Category Codes: Service members Opportunity Colleges (SOC) is a consortium of over 1,600 accredited colleges and universities seeking to provide degree opportunities to the military. Over 170 of these institutions participate in network degree programs developed for the Army, Navy, Marine Corps, and Coast Guard. A SOC course category number beside a course from one of these institutions, such as [EN024A] or [EN024B] for English Composition, indicates that courses from other degree program institutions with the same code may be taken to satisfy the degree requirement. See the SOC Degree Programs Handbooks at <http://www.soc.aascu.org/>

\*\* DANTES Academic Codes: The Defense Activity for Non-Traditional Education Support (DANTES) publishes the DANTES Independent Study Catalog (DISC) annually, which lists more than 6,000 courses from dozens of regionally accredited colleges and universities. Because this is a degree from a SOC affiliated college, the academic residency requirements are limited, thereby allowing students to transfer in a significant portion of the degree, as mentioned above. If the course you desire to take is not offered by this institution when you want to take it, consider the opportunities the courses in the DISC present. For more information, visit [http://www.dantes.doded.mil/dantes\\_web/distancelearning/disc/front/cont.htm](http://www.dantes.doded.mil/dantes_web/distancelearning/disc/front/cont.htm) Keep in mind, you should always check with the counselor or academic advisor at this institution before enrolling in a course listed in the DISC to ensure it will be accepted in transfer toward this degree.

## Florida Community College at Jacksonville (FCCJ) General Information

Florida Community College at Jacksonville is one of the leading providers of distance learning to the military. Distance Learning (DL) is simply learning from a distance, usually from home, or from a conveniently located off-campus site. DL allows adults to earn college credits, even entire degrees, without ever leaving home. DL at Florida Community College at Jacksonville makes use of the Internet, software, modems, TV stations, 2-way television using fiber optics, and digital phone lines, satellites, videocassette and audio tape, and the ever-popular mailbox, to deliver instruction.

As technology continues to become more accessible and more affordable, distance learning changes and evolves. Learners now have the opportunity to take classes without the necessity to attend regular, weekly lectures on campus. Online courses from all academic departments are available via Internet access. World Wide Ready

courses at FCCJ are 100 percent online while other online courses require time and place-bound testing or orientation sessions. The FCCJ Class Schedule offers in-depth detail about online courses and identifies those that are 100 percent online. The Distance Learner Handbook is a rich resource for inquiry about distance learning at FCCJ.

A SOC Contract for Degree Completion with this institution may be entered after enrolling in the first course through them.

Tuition per course: \$66.40 per semester hour in-state, Tuition for Georgia residents \$127.55 per semester hour, and \$249.85 per semester hour out-of-state (subject to change)

Application fee:

U.S. citizens \$15.00 one time only

International students \$80.00 one time only

This fee is a processing fee and is non-refundable.

To discuss your next step toward earning this degree with FCCJ, contact:

Chris Johnson  
Advisor  
FCCJ Open Campus  
Military Education Institute  
601 West State Street  
Jacksonville FL 32202  
Phone: 904-357-8890  
Email: military@fccj.edu

Lauren Webb  
Advisor  
FCCJ Open Campus  
Military Education Institute  
601 West State Street  
Jacksonville FL 32202  
Phone: 904-632-5084  
Email: military@fccj.edu

Visit the Military Education Institute web site: [www.fccj.edu/mei](http://www.fccj.edu/mei)

#### POLICY NOTES:

Transfer credit accepted by FCCJ may include up to 45 semester hours of non-traditional credit (American Council on Education recommended credit and college level testing - CLEP, DSST, Excelsior and FCCJ's Proficiency Examination Program (PEP) tests). Also, 25% of the degree must be earned via FCCJ (including distance learning courses).

Evaluation completed by: Charles Morrison

On: 03 May 2007