Coastal Carolina Community College

Associate in Applied Science in Computer Programming

STUDENT DATA:
NAME: ROADMAP'S DEGREE **SSN:** 000-00-0000

	Credit Required	Potential Credit
Expository Writing (ENG 111) [EN024A]	**3.00**	

(This course is the required first course in a series of two designed to develop the ability to produce clear expository prose. Emphasis is placed on the writing process including audience analysis, topic selection, thesis support and development, editing, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition. College credit by examination may apply.)
{DANTES Code = 11.07.00}

Professional Research and Reporting (ENG 114) [EN025A]	**3.00**	

(This course, the second in a series of two, is designed to teach professional communication skills. Emphasis is placed on research, listening, critical reading and thinking, analysis, interpretation, and design used in oral and written presentations. Upon completion, students should be able to work individually and collaboratively to produce well-designed business and professional written and oral presentations. All students must complete a major individual research report acceptable to academic and industry standards, which utilizes MLA style and computer generated graphics. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in English composition. College credit by examination may apply.)
{DANTES Code = 11.07.00}

Interpersonal Communication (COM 120) [CM003A]	**3.00**	

(This course introduces the practices and principles of interpersonal communication in both dyadic and group settings. Emphasis is placed on the communication process, perception, listening, self-disclosure, speech apprehension, ethics, nonverbal communication, conflict, power, and dysfunctional communication relationships. Upon completion, students should be able to demonstrate interpersonal communication skills, apply basic principles of group discussion, and manage conflict in interpersonal communication situations. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in speech/communication. College credit by examination may apply.)
{DANTES Code = 04.10.05}

Introduction to Computers (CIS 110) [CS001A] **3.00**

(This course provides an introduction to computers and computing. Topics include the impact of computers on society, ethical issues, and hardware/software applications, including spreadsheets, databases, word processors, graphics, the Internet, and operating systems. Upon completion, students should be able to demonstrate an understanding of the role and function of computers and use the computer to solve problems. College credit by examination may apply.)
{DANTES Code = 05.02.00}

Survey of Mathematics (MAT 140) **3.00**

(This course provides an introduction in a non-technical setting to selected topics in mathematics. Topics may include, but are not limited to, sets, logic, probability, statistics, matrices, mathematical systems, geometry, topology, mathematics of finance, and modeling. Upon completion, students should be able to understand a variety of mathematical applications, think logically, and be able to work collaboratively and independently. This course has been approved to satisfy the Comprehensive Articulation Agreement general education core requirement in natural sciences/mathematics. College credit by examination may apply.)
{DANTES Code = 14.02.00}

Survey of Mathematics Lab (MAT 140A) **1.00**

(This course is a laboratory for MAT 140. Emphasis is placed on experiences that enhance the materials presented in the class. Upon completion, students should be able to solve problems, apply critical thinking, work in teams, and communicate effectively.)
{DANTES Code = 14.02.00}

Humanities/Fine Arts Elective **3.00**

(College credit by examination may apply. Visit the CCCC website for a description of courses available.)
{DANTES Code = 08.06.00 or most 08.XX.XX series}

Principles Of Accounting I (ACC 120) [AC025A] **4.00**

(This course introduces the basic principles and procedures of accounting. Emphasis is placed on collecting, summarizing, analyzing, and reporting financial information. Upon completion, students should be able to analyze data and prepare journal entries and reports as they relate to the accounting cycle. This course is intended for those who have not received credit for ACC 115. College credit by examination may apply.)
{DANTES Code = 03.01.00}

Interpersonal Psychology (PSY 118) [PS99SA] **3.00**

(This course introduces the basic principles of psychology as they relate to personal and professional development. Emphasis is placed on personality traits, communication/leadership styles, effective problem solving, and cultural diversity as they apply to personal and work environments. Upon completion, students should be able to demonstrate an understanding of these principles of psychology as they apply to personal and professional development.)
{DANTES Code = see 20.09.XX series}

Survey of Operating Systems (CIS 130) **3.00**

(The course covers operating system concepts which are necessary for maintaining and using computer systems. Topics include disk, file, and directory structures; installation and setup; resource allocation, optimization, and configuration; system security; and other related topics. Upon completion, students should be able to install and configure operating systems and optimize performance.)

Introduction to Programming & Logic (CIS 115) [CS011A] **3.00**

(This course introduces computer programming and problem solving in a programming environment, including an introduction to operating systems, text editor, and a language translator. Topics include language syntax, data types, program organization, problem-solving methods, algorithm design, and logic control structures. Upon completion, students should be able to manage files with operating system commands, use top-down algorithm design, and implement algorithmic solutions in a programming language.) {DANTES Code = 05.03.01 or 05.03.05}

Database Concepts and Applications (CIS 152) [CS067A] **3.00**

(This course introduces database design and creation using a DBMS product. Topics include database terminology, usage in industry, design theory, types of DBMS models, and creation of simple tables, queries, reports, and forms. Upon completion, students should be able to create simple database tables, queries, reports, and forms which follow acceptable design practices.)

Operating Systems - Single User (CIS 145) [CS064A] **3.00**

(This course introduces operating systems concepts for single-user systems. Topics include hardware management, file and memory management, system configuration/optimization, and utilities. Upon completion, students should be able to perform operating system functions at the support level in a single-user environment.)

Database Applications (CIS 153) [CS080A] **3.00**

(This course covers advanced database functions continued from CIS 152. Topics include manipulating multiple tables, advanced queries, screens and reports, linking, and command files. Upon completion, students should be able to create multiple table systems that demonstrate updates, screens, and reports representative of industry requirements.)

Operating System - AS/400 (CIS 244) [CS034A] **3.00**

(This course includes operating systems concepts for AS/400 systems. Topics include hardware management, file and memory management, system configuration/optimization, utilities, Job Control Language, and support functions. Upon completion, students should be able to perform operating system functions in an AS/400 environment.)

Systems Project (CIS 288) [CS038A] **3.00**

(This course provides an opportunity to complete a significant systems project from the design phase through implementation with minimal instructor support. Emphasis is placed on project definition, documentation, installation, testing, presentation, and training. Upon

completion, students should be able to complete a project from the definition phase through implementation.)

Microcomputer Systems Analysis (CIS 227) **3.00**

(This course covers use of a systems approach to planning and implementing business information systems in a microcomputer environment. Emphasis is placed on end-user applications, rather than centralized MIS, and development of strong analytical skills. Upon completion, students should be able to apply analytical and problem-solving skills to resolve typical microcomputer systems planning and implementation issues.)

Data Communication/Networking (NET 110) [CS017A] **3.00**

(This course introduces microcomputer applications related to the major accounting systems. Topics include general ledger, accounts receivable, accounts payable, inventory, payroll, and correcting, adjusting, and closing entries. Upon completion, students should be able to use a computer accounting package to solve accounting problems.)

Visual BASIC Programming (CSC 139) [CS044A] **3.00**

(This course introduces event-driven computer programming using the Visual BASIC programming language. Topics include input/output operations, sequence, selection, iteration, arithmetic operations, arrays, forms, sequential files, and other related topics. Upon completion, students should be able to design, code, test, and debug Visual BASIC language programs.)

COBOL Programming (CSC 135) [CS003A] **3.00**

(This course introduces computer programming using the COBOL programming language. Topics include input/output operations, sequence, selection, iteration, arithmetic operations, arrays/tables, and other related topics. Upon completion, students should be able to design, code, test, and debug COBOL language programs.)

RPG Programming (CSC 138) [CS012A] **3.00**

(This course introduces computer programming using the RPG programming language. Topics include input/output operations, sequence, selection, iteration, arithmetic operations, arrays/tables, and other related topics. Upon completion, students should be able to design, code, test, and debug RPG language programs.)

C++ Programming (CSC 134) [CS040A] **3.00**

(This course introduces object-oriented computer programming using the C++ programming language. Topics include input/output operations, iteration, arithmetic operations, arrays, pointers, filters, and other related topics. Upon completion, students should be able to design, code, test, and debug C++ language programs.)

Java Programming (CSC 148) **3.00**

(This course introduces computer programming using the JAVA language. Topics include selection, iteration, arithmetic and logical operators, classes, inheritance, methods, arrays, user interfaces, basic applet creation and other related topics. Upon completion, students should be able to design, code, test, debug JAVA language programs.)

Advanced COBOL (CSC 235) [CS003A] **3.00**

(This course is a continuation of CSC 135 using COBOL with structured programming principles. Emphasis is placed on advanced arrays/tables, file management/processing techniques, data structures, sub-programs, interactive processing, sort/merge routines, and libraries. Upon completion, students should be able to design, code, test, debug, and document programming solutions. This course is a unique concentration requirement in the Programming concentration in the Information Systems program.)

Advanced RPG (CSC 238) [CS016A] **3.00**

(This course is a continuation of CSC 138 using RPG with structured programming principles. Emphasis is placed on advanced arrays/tables, file management/processing techniques, data structures, sub-programs, interactive processing, sort/merge routines, and libraries. Upon completion, students should be able to design, code, test, debug, and document programming solutions. This course is a unique concentration requirement in the Programming concentration in the Information Systems program.)

Excess or Duplicate Credit

TOTAL 74.00 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 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 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.

Coastal Carolina Community College General Information:

Coastal Carolina Community College is Located in Jacksonville, North Carolina, home to Marine Corps Base Camp Lejeune and Marine Corps Air Station, New River, Coastal Carolina Community College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate degrees, diplomas, and certificates.

Coastal Carolina Community College is an "open door" community college serving the residents of eligible age in Onslow County and surrounding areas. Coastal acknowledges and values cultural, gender, racial and ethnic diversity and is dedicated to providing access to quality educational programs regardless of disability or previous educational attainment within the limits of available resources. The curriculum programs are designed to provide college transfer, technical, and vocational education. The continuing education offerings are designed to provide occupational skill training, basic skills and community service education.

The Continuing Education Division provides courses which upgrade the occupational skills and knowledge of individuals at all levels of labor and management, offers services to small businesses, and provides programs to meet the training needs of new and expanding industries. Programs are also provided to meet literacy needs, basic skill improvement, and high school equivalency certification. Additionally, a broad range of courses is offered enabling individuals to improve home and community life and develop or improve leisure time activities.

DISTANCE LEARNING Coastal Carolina Community College offers opportunities for completion of courses outside the traditional classroom via the Internet, the North Carolina Information Highway and blended courses. Distance Learning Courses meet academic standards established by the North Carolina Community College System and are accepted as part of the graduation requirement for an approved degree, diploma, or certificate. Curriculum credit for distance learning courses is equivalent in credit hours to on-campus sections of the same courses listed in the college catalog. Students who are most successful in distance learning courses are self-motivated and enjoy independent study.

One of the primary advantages of their Internet workshops is that you can "attend class" in the comfort and convenience of your own home and office. All you have to do is log into your online classroom when you are good and ready to read your lessons, complete your quizzes and assignments, or communicate with your instructor and fellow students. Their Internet courses fit into your schedule: you can take them before breakfast, during lunch, late at night, or at any other time you find convenient--the choice is yours. If you start to fall behind, they are more than willing to grant you an automatic ten-day extension at the end of the course. You are not required to attach a reason to your extension request, but they can grant no more than one extension per course. You will be given instructions on how to request an extension when your course begins.

Tuition for students is: $33.50 per credit hour for in-state tuition, and $197 per credit hour for out-of-state tuition. (subject to change)

NAME: ROADMAP'S DEGREE **SSN:** 000-00-0000

For more information regarding the AAS Computer Programming degree, please contact:

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http://www.coastalcarolina.edu

POLICY NOTES:

- No more than 30 semester hours of college credit-by-examination may apply to this degree.
- No more than 44 semester hours of non-traditional credit from all sources may apply to this degree.
- At least 18 semester hours of this degree must be taekn through CCCC.

Evaluation completed by: Charles Morrison On: 05 June 2007