



Charter Oak State College



Bachelor of Science in Computer Science Studies [L]

STUDENT DATA:

NAME: ROADMAP'S DEGREE

SSN: 000-00-0000

**Credit Potential
Required Credit**

Information Literacy

Using the computer, students will be able to locate, evaluate, synthesize and use information from a variety of sources and understand the ethical issues involved in accessing and using information. May be met by taking a course that requires the use of current technology for developing research or term papers, by taking a course in information literacy, or by taking on-line courses that require accessing information on line.

This course does not have a set number of credits. The course can be met by taking specific courses or examinations or by demonstrating that this outcome has been achieved.

Ethical Decision Making

Students will be able to use critical thinking to make ethical decisions. May be met by taking a course that has a significant ethics component or by taking courses such as Ethics, Business Ethics, Health Care Ethics, or Computer Ethics.

This course does not have a set number of credits. The course can be met by taking specific courses or examinations or by demonstrating that this outcome has been achieved. If a course is used to fulfil this requirement and it is a liberal art it will be used toward completing the liberal arts requirement.

Written Communication

6.00

Can be completed by taking courses in both English Composition I and II (or titles like Grammar & Rhetoric, Freshman Writing, etc.) or a combination of courses in English Composition with either Technical Writing or two writing intensive courses.

{DANTES Code = 11.07.00 or 04.06.02}

Oral Communications

3.00

Any speech course will fulfill this requirement.

{DANTES Code = 04.10.00 or 04.10.01}

U.S. History/Government

3.00

Students will have an understanding of the ideas and processes that shaped the history of the United States. Examples: American Government, American History, History of the United States, The Civil War.

{DANTES Code = 20.07.05, 20.08.01, or 20.08.09}

Non-U.S. History or Culture 3.00

Students will have an understanding of major developments in the history and culture of other countries. (Any art, literature, history, foreign language, or religion course that studies the history or culture of a country other than the United States.)

{DANTES Code = 20.07.06. or 20.07.07}

Global Understanding 3.00

Students will have an understanding of the impact of nations, regions, and cultures upon other nations, regions, and cultures and the impact of these interactions on individuals and the inter-relationships among countries.

Courses include Cultural Anthropology, Comparative Economic Systems, Comparative Political Systems, Intercultural Communication, International Business, International Economics, International Marketing, or World Population.

{DANTES Code = 20.01.02. or 20.07.07, 03.02.03 or 03.08.00}

Literature and Fine Arts 3.00

Students will demonstrate an understanding of the arts and literature and gain an appreciation of its impact on our heritage and culture. Examples: Music Appreciation, Art Appreciation, Art History, Music History, Theatre, Dance,

Creative Writing, Drawing, Literature.

{DANTES Code = 08.02.00, 08.02.01, 08.06.00, or 11.21.00 }

Social/Behavioral Sciences 3.00

Students will gain an understanding of self and the world, of social and cultural institutions, and the interdependent nature of the individual, family and society in shaping human behavior. Examples: Anthropology, criminal justice, communications, economics, education (not Subject Methods or Student Teaching), gerontology, psychology, sociology, political science, communications (not Basic Speech).

{DANTES Code = 20.01.00, 20.01.02, most 20.09.XX or 20.10.XX series, 03.10.01, 03.13.04, 06.05.00, 12.03.09, or 12.03.15}

Mathematics 3.00

Students will have an understanding of mathematics beyond the entry-level requirements for college.

College-level algebra or higher, or Contemporary Math

{DANTES Code = any 14.XX.XX series}

Natural Science 4.00

(Either one course with lab, or two courses without lab. In this example, two courses without laboratory are required. If one course with lab is used, the addition 2 sh will still need to be made up as part of the Liberal Arts requirement. This requirement may be filled with college level testing credit.) Examples: astronomy, biology, chemistry, environmental science, geology, oceanography, physical geography, physics.

{DANTES Code = 16.13.00 or 16.99.00 or most 16.XX.XX series}

Computer Science Studies Requirements

A minimum of 36 credits is required to complete the concentration. At least 15 credits must be at the upper level. Grades of less than "C" are not accepted as part of the concentration.

The 15 upper division credits in a computer related concentration, including individualized concentration, must be less than seven (7) years old at the time of matriculation unless the student is employed in the computer field or has been actively pursuing formal or informal studies in the computer field. However, older courses may be used as free electives in the overall degree program.

NOTE: No more than 6 credits obtained from any COSC approved certification may be used in this concentration.

Proof of team project experience must be provided. Students may use documentation to demonstrate these skills as learned on the job.

Discrete Math 3.00

Will not satisfy part of the upper division requirements in the concentration.

{DANTES Code = 14.14.00}

Calculus I 3.00

Will not satisfy part of the upper division requirements in the concentration.

{DANTES Code = 14.04.00 or 14.04.01}

Calculus II 3.00

Will not satisfy part of the upper division requirements in the concentration.

{DANTES Code = 14.04.00 or 14.04.01}

Linear Algebra 3.00

{DANTES Code = 14.01.01}

Introduction to Computer Science 3.00

Will not satisfy part of the upper division requirements in the concentration.

{DANTES Code = 05.02.00}

Algorithm Development and Data Structures 3.00**Software Engineering/Software Systems Design** 3.00

Proof of team project experience in one of these areas must be provided. Students may also use documentation to demonstrate these skills as learned on the job.

Networking 3.00**Database Systems** 3.00

Proof of team project experience in one of these areas must be provided. Students may also use documentation to demonstrate these skills as learned on the job.

{DANTES Code = 05.03.00}

Computer Architecture/Computer Organization 3.00

Computer Science Electives 6.00

Choose two from the following:

Compilers

Survey Comparison of Programming Languages

Microprocessors

Operating Systems

Other faculty-approved area

{DANTES Code = 05.XX.XX series}

Ethics 3.00

(Depending on the institution, ethics courses may be found in the departments of business, philosophy, computer science or religion). This will satisfy the Ethics General Education requirement.

{DANTES Code = 17.05.00 or 17.05.01}

Logic 3.00

Examples: Programming Logic, Philosophical Logic, Digital Logic and Mathematical Logic.

{DANTES Code = 17.10.00}

Technical Writing 3.00

This course will fulfill 3 semester hours of the Written Communications requirements, but an additional 3 semester hours must be made up in the Liberal Arts section.

{DANTES Code = 04.06.02}

Liberal Arts Electives 11.00

This number may decrease or increase depending on whether Outcomes 1 and 3 are fulfilled with courses, a natural science with lab is used vice 2 without a lab, or courses satisfy more than one specific degree requirement. Additionally, this number may decrease if Liberal Arts courses are used to satisfy the concentrations.

(This requirement may be filled with college level testing credit.)

{DANTES Code = 08.XX or 11.XX or 13.XX or 16.XX or 17.XX or 20.00 series}

Free Electives 33.00

(No more than 60 semester hours in this entire degree may be Free Electives. The remaining 60 sh must be in Liberal Arts subjects; This requirement may be filled with college level testing credit.)

Excess or Duplicate Credit

TOTAL 120.00 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.

Charter Oak State College (COSC) General Information

If frequent reassignment, duty in a remote location and ever-changing military schedules are barriers to you completing your college degree, Charter Oak State College offers a logical, convenient solution. You can earn credit for learning acquired through military service schools and experience evaluated by the American Council on Education (ACE). The College has no academic residency requirement and affords you the opportunity to gain maximum benefit from your prior learning experiences regardless of their age.

Charter Oak offers both Associate and Bachelor's degrees in general studies. Both programs allow the flexibility of using credit earned in a variety of ways including most military occupational specialties, standardized exams, and regionally accredited colleges or ACE recommended programs. At the bachelor's level, a concentration, rather than a major is necessary. The concentration can be in a single subject or combination of subjects through which they demonstrate in-depth knowledge within one or more fields of study. The latter option, called Individualized Studies, allows you to earn a degree with a professional focus tailored to your military career path or related careers in the private sector. Here is a list of possible concentration areas.

Concentrated Subject Areas:

Applied Behavioral Science
Business Administration
Child Study
Computer Science Studies

Biology
Chemistry
Communication
Criminal Justice

Economics
 Fire Service Administration
 Health Care Administration
 Individualized Studies
 Liberal Studies
 Physics
 Public Safety Administration
 Sociology

Engineering Studies
 Health Studies
 History
 Information Systems Studies
 Mathematics
 Political Science
 Psychology
 Technology Studies

Students must gain faculty approval of the Concentration Plan of Study. A minimum of 36 credits including 18 or more at the upper level are required. In addition to the list of courses, a résumé and essay of approximately 300 words are submitted to explain the rationale for the proposed concentration and its relation to career and personal goals.

Toward the end of the degree program, students are required to submit one more essay, the Academic Autobiography, approximately 750-1000 words, to write reflectively about the degree as a whole, especially the concentration and the credits that fulfilled the General Education requirements.

When you have completed most of the degree requirements, you will matriculate with the College, transferring in the credits you have earned. The College charges annual administrative fees for the process of establishing student records, confirming your educational accomplishments, and awarding the degree. Fee options are as follows:

Option 1 - Military Partnership Program (MPP)

BACHELOR'S DEGREE

Application Fee: \$75

Matriculation Fee: \$255

Tuition: \$200 per credit hour*

Graduation \$185

Matriculation Renewal Fee: \$255* or \$450 (continuing beyond one year) *(student must complete 12 credits from Charter Oak courses within first 12 months)

Option 2 - Student transfers in all credit to Charter Oak State College

BACHELOR'S DEGREE

Application Fee: \$75

Matriculation Fee: \$885 (10% discount from in-state fee)

Graduation Fee: \$185

Matriculation Renewal Fee: \$450 (continuing beyond one year)

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

Bob Frederick
 Charter Oak State College
 55 Paul J. Manafort Drive
 New Britain, CT 06053-2142
 Phone: 860-832-3868
 E-mail: bfrederick@charteroak.edu
 Website: <http://www.charteroak.edu>

POLICY NOTES:

Required 120 credits with a minimum of 60 in the Arts and Sciences plus a faculty approved concentration of 36 credits. No more than 90 credits earned at two-year institutions can be credited toward a degree.

Charter Oak State College allows individual courses to satisfy more than one specific degree requirement. Therefore, a single course can be used to satisfy one or more general education requirement as well as in the concentration area. The credit for the course only applies once, so additional credit must be completed to achieve the necessary liberal arts and overall credit for the degree.

The only CLEP exam that can be used to satisfy the Written Communication requirement is English Composition with Essay.

Charter Oak values non-traditional learning experiences and awards credit for college level examinations, military training and occupations, and other ACE/PONSI recommended noncollegiate training programs; thereby saving students a substantial amount of time and money. You may complete all the requirements for the degree through any combination of these methods or courses taken at your local college. Charter Oak State College does offer many distance learning courses, but has no academic residency requirement.

Evaluation completed by: Charles Morrison

On: 05 June 2007