



City Colleges of Chicago  
Harold Washington College



**Associate in Applied Science in Fire Science & Technology**

**STUDENT DATA:**

**NAME:** ROADMAP'S DEGREE

**SSN:** 000-00-0000

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

**English Composition I (ENG 101) [EN024A]**

**3.00**

(College credit by examination may apply. The CLEP General Examination with Essay is accepted at a score of 420 or above. Composition - Development of critical and analytical skills in writing and reading of expository prose. Writing assignments, as appropriate to the discipline, are part of the course. Prerequisite: Placement test, or Grade of C or better in English 100,)  
{DANTES Code = 11.07.00}

**Humanities and Fine Arts**

**3.00**

(College credit by examination may apply. The CLEP General Examination is accepted at a score of 420 or above.)

Humanities 201 or Humanities 202 or Humanities 123\*

If you elect to take 6 credit hours in Humanities, select one course from:  
Art 103;

- Fine Arts 104, 105, 107, 108, 109, or 110
- Humanities 123, 203, 205, 207, 208, 210, 212 or 215
- Any Foreign Language class above 103
- Literature 110-128, 150, 155, or 211
- Music 101, 121, 122, 124, or 221
- Philosophy 105-110, 201, or 202

Visit the HWCCC website for a description of these courses.)  
{DANTES Code = 08.06.00 or most 08.XX.XX series}

**Physical Science General Course II (Phys Sci 112)**

**4.00**

(General Course II - Introduction to principles and concepts of Chemistry and the Earth Sciences. Writing assignments, as appropriate to the discipline, are part of the course. 3 lecture hours and 2 lab hours per week.)

**Mathematics Elective (MATH 118) or above**

**4.00**

(College credit by examination may apply. The CLEP General Examination is accepted at a score of 420 or above. Any course numbered above Mathematics 118, For students who entered the college during or after the Summer 1998 term, MATH 140 - College Algebra and MATH 141 - Plane Trigonometry may not be used to satisfy the mathematics requirement)

{DANTES Code = 14.01.04}

**Social Science Elective**

**3.00**

(College credit by examination may apply. The CLEP General Examination is accepted at a score of 420 or above.)

- Social Science 101 or Social Science 102

- If you elect to take 6 credit hours in Social Science, select one course from

Anthropology

Economics

Education

Geography

History

Political Science

Psychology

Sociology

Visit the HWCCC website for a description of these courses.)

{DANTES Code see 20.XX.XX series}

**Introduction to Fire Science (FS 101) [FR27SA]**

**3.00**

(Introduction to Fire Science - History of fire science; principles of fire prevention, protecting, and extinguishing; discussion of individual career opportunities. Writing assignments, as appropriate to the discipline, are part of the course. 150 minutes per week.)

**Fire Fighting Tactics I (FS 102) [FR37SA]**

**3.00**

(Fire Fighting Tactics I - Basic procedures for suppression of fire; application to principles of building construction; coordination of human resources and equipment. Writing assignments, as appropriate to the discipline, are part of the course. 150 minutes per week.)

**Fire Suppression Systems (FS 103) [FR29SA]**

**3.00**

(Fire Suppression Systems - Fire suppression and protection systems, including characteristics and usage of sprinkler systems, wet pipe systems, stand pipe systems, heat detectors, smoke detectors; covers components of sprinkler systems, valves, O.S.Y. and P.I.V. valves, spacing of sprinkler heads according to occupancy classification, temperature rating and color coding of sprinkler heads, and Fire Department support, connections and emergency involvement. Writing assignments, as appropriate to the discipline, are part of the course. 150 minutes per week.)

{DANTES Code = 19.02.00}

**Fire Suppression Apparatus (FS 104) [FR34SA]**

**3.00**

(Fire Suppression Apparatus - Basic principles of fire apparatus construction, operation, and maintenance; consideration of pumps, pumper procedures and tests, aerial ladders and platforms, elementary hydraulic calculations. Writing assignments, as appropriate to the discipline, are part of the course. 150 minutes per week.)

<b>Fire Service Hydraulics (FS 201) [FR35SA]</b>	<b>3.00</b>
(Fire Service Hydraulics - Review of basic mathematics for study of properties of fluids, force, pressure and flow velocities; operation and characteristics of fire pumps; generation of fire streams and water distribution systems. Writing assignments, as appropriate to the discipline, are part of the course. 150 minutes per week.)	
<b>Building Construction for Fire Service (FS 202) [FR30SA]</b>	<b>3.00</b>
(Building Construction for Fire Service - Study of exterior and interior material and structural construction of buildings in relation to fire resistance, safety, and fire fighting. Writing assignments, as appropriate to the discipline, are part of the course. 150 minutes per week.)	
<b>Fire Protection Systems (FS 203) [FR29SA]</b>	<b>3.00</b>
(Fire Protection Systems - Study of required standards for water supply, protection systems, automatic sprinklers and special extinguishing systems; analysis of automatic signaling and detection systems. Writing assignments, as appropriate to the discipline, are part of the course. 150 minutes per week.)	
{DANTES Code = 19.02.00}	
<b>Fire Fighting Tactics II (FS 204) [FR37SA]</b>	<b>3.00</b>
(Fire Fighting Tactics II - Study of human labor and apparatus management; types of fires requiring a unique suppression approach. 150 minutes per week.)	
<b>Chemistry of Flammable Materials (FS 205) [FR36SA]</b>	<b>3.00</b>
(Chemistry of Flammable Materials - Properties and fire suppression of chemically active and hazardous materials; flammable liquids, combustible solids, oxidizers, corrosive materials. Writing assignments, as appropriate to the discipline, are part of the course. 150 minutes per week.)	
<b>Fire Prevention Fundamentals I (FS 210) [FR28SA]</b>	<b>3.00</b>
(Fire Prevention Fundamentals I - Principles of fire prevention program; planning and implementation of fire inspection; recognition of fire hazards and causes; building construction types and materials, and private protective systems. Writing assignments, as appropriate to the discipline, are part of the course. 150 minutes per week.)	
<b>Fire Science Elective Courses</b>	<b>6.00</b>
(Visit the CCC website for a description of courses available.)	
<b>Free Electives</b>	<b>7.00</b>
(Additional electives or Fire Science courses. Visit the CCC website for a description of courses available.)	
<b>Excess or Duplicate Credit</b>	

TOTAL ..... 60.00 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](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.

City Colleges of Chicago, Harold Washington College (CCC/HWC) General Information:

City Colleges of Chicago, Harold Washington College was founded in 1962 as Loop College, and was placed in the heart of the downtown business district to serve Chicago's business community through a broad spectrum of courses, two-year degrees, and certificate programs. Some of the academic programs that were offered during this period included business, data processing, and various course options within the human services profession. In 1987, the college's name was changed to commemorate Chicago's late Mayor Harold Washington. From its beginning, this has been a comprehensive college, offering students the traditional transfer-oriented liberal arts and sciences curricula as well as career and vocational programs. Today's student body displays a diverse mix of cultures, backgrounds, purposes and academic interests.

The Center for Distance Learning (CDL) coordinates college-credit distance learning courses for the City Colleges of Chicago and is headquartered at Harold Washington College. CDL offers more than 90 college credit courses, including courses in business, computer science, economics, English, foreign language, geography, history, humanities, information technology, philosophy, political science, psychology, science, and sociology. Distance learning courses have the same prerequisites, as well as the same academic requirements and transferability, as

traditional college credit courses. A student who completes a CDL course receives credit equivalent to the same course taught in the traditional classroom format.

Continuing education classes are approved by the Illinois Community College Board and carry Adult Education Units (AEU) of credit, which are applicable to a certificate (but not to an Associate Degree). HWC offers approved courses in business, general studies, adult basic education, and technical, occupational, health, and remedial program areas. A sampling of recent courses ranges across such areas as business, computer training, financial planning, fine arts, foreign languages, investments, management, medical training, music, phonics, photography, real estate, and sign language.

Harold Washington College is operated under the auspices of the Illinois Community College Board District 508. Harold Washington College is accredited by the Higher Learning Commission and is a member of the North Central Association.

Tuition per course: (Subject to change): For Chicago residents, the in-district rate is \$62.00 per credit hour; the out-of-district tuition rate is \$167.21 per credit hour, payable in addition to the in-district rate. The distance delivered courses is \$154.00 per credit hour, plus a \$50 tech fee per course. The online delivered courses is \$135.00 per credit hour. The military rate may vary if located at Fort Campbell, KY or Charleston SC.

In order to qualify for the listed Associate Degrees, the student must:

- I. Complete 60-79 semester hours. Only courses numbered 101 or higher (except for Chemistry 100) may be counted.
- II. Complete examinations for the Constitution of the United States and of the State of Illinois, the Code of the American Flag, and the Declaration of Independence. Waived for students who completed the test for Illinois high school graduation or a GED Certificate, or for students who have earned credit in History 111 or Political Science 201.
- III. Complete all courses for the General Education Core
- IV. Complete all general education and required core course work with a grade of "C" or better. Harold Washington College grades are on a four point scale: A=4, B=3, C=2, D=1.
- V. Select a major field and complete required core courses or elective courses. Specific degree programs vary
- VI. Earn at least 15 credit hours at Harold Washington College. Students applying for certificates requiring fewer than 15 credit hours may not use any transfer credits to fulfill program requirements.

To discuss your next step toward earning this degree with CCC/HWC, contact:

Program Coordinator: Professor Stewart Cohen, Business Department, Room 301-H,

Phone #: (312) 553-5700

City Colleges of Chicago

30 East Lake Street

Chicago IL 60601

Phone: (312) 553-5600

<http://hashington.ccc.edu/main.asp?section=pgms&navpage=proginfo>

POLICY NOTES:

The maximum amount of college level testing credit accepted by CCC/HWC is 45 semester hours. (Check with CCC/HWC counselors for acceptance of CLEP, DSST, or ECE examinations prior to taking each examination.)

Transfer credit accepted by CCC/HWC may include up to 45 semester hours of non-traditional credit (military credit or college level testing). An academic residency of 15 semester hours of this degree must be taken through CCC/HWC.

Evaluation completed by: Charles Morrison

On: 03 May 2007