

Culture, Science, and Technology

The Culture, Science, and Technology A.A. degree curriculum is designed to provide students with the educational foundation necessary to deal with the complex interrelationships among technical, scientific and societal changes in the modern world. The program is designed for students planning to transfer to baccalaureate programs or professional schools after study at Community College of Philadelphia; for students selecting a specialized associate degree; for students planning to enter certain select programs at a later date; and for students undecided about their long-term educational goals.

Students are expected to consult with an academic advisor or counselor upon entry to the program and in subsequent semesters. Planning should begin early, so that the student can gain the most benefit from the curriculum. Students who follow the Culture, Science, and Technology curriculum and plan to attend a specific four-year college after graduation should choose elective courses that duplicate as closely as possible those in the first two years of the program of that college. Students who plan to apply for admission to one of the College's select programs should meet with an advisor or counselor for course selection.

Students can choose to follow a Science/Technology concentration or a Health Careers concentration. The Science/Technology concentration is appropriate for students interested in careers in science and technology. The Health Careers concentration is appropriate for students who want to study in a health-related field. This concentration is specifically for students interested in one of the College's allied health programs, the College's Nursing program, or in transferring to a baccalaureate program in a discipline such as nursing, public health, therapeutic recreation, school health, physician's assistant, occupational therapy, or other health careers.

PROGRAM ENTRY REQUIREMENTS:

Students are typically required to take the College's placement tests at their time of entry. Students identified as needing developmental course work must satisfactorily complete the appropriate English and mathematics courses as a part of the degree program.

PROGRAM OF STUDY AND GRADUATION REQUIREMENTS:

To qualify for the A.A. degree in Culture, Science, and Technology, a student must complete a minimum of 60 credit hours as prescribed and attain a grade point average of 2.0 ("C" average). Students are required to take five core courses, five concentration courses, three courses chosen from the Society cluster, two courses chosen from the Humanities cluster and four general electives to bring the total to 60 credits.

The five core courses are: ENGL 101, ENGL 102, MATH 118 and a second math course (level 135 or higher) and CIS 103. Students can choose either a Science/Technology concentration or a Health Careers concentration. For the Health Careers concentration students should take ECON 112 or MATH 251 as the second math course.

HEALTH CAREERS CONCENTRATION:

To earn the degree in this concentration students are required to successfully finish five concentration courses referred to as the Science and Health requirement and a Society cluster of courses. To provide both breadth and depth, the Science and Health requirement includes four Natural Science courses with labs and one Health course. One of the Natural Science courses must be in a different discipline than the other three courses, to satisfy the breadth requirement. Three Natural Science courses have to be in the same discipline to satisfy the depth requirement. Students must take either HIT 105, Medical Terminology or DIET 111, Introduction to Nutrition for the Health requirement.

SCIENCE/TECHNOLOGY CONCENTRATION:

To earn the degree in this concentration students are required to successfully finish five concentration courses. The Science/Technology

concentration is satisfied with one of two options: 1) Students complete four Natural Science courses with labs and one technology course. One of the Natural Science courses must be in a different discipline than the other three courses, to satisfy the breadth requirement. The depth option is satisfied by taking three Natural Science courses in the same discipline. 2) Students complete two Natural Science courses with labs in two different disciplines to satisfy breadth requirement and three technology courses in the same discipline which satisfies the depth requirement.

Technology courses acceptable for the Science/Technology concentration include Architecture Design and Construction (ADC) 103, 163, or 263, or any courses in Computer Information Systems (CIS), Computer Science (CSCI), Computer Forensics (CF), and Geographic Information Systems (GIS). Each technology course must be a minimum of three credits.

For purposes of this curriculum, the natural sciences include biology, chemistry and physics. Courses in these disciplines as well as STS 101, will fulfill the natural science requirement.

The Society cluster must include any three courses from among the following ANTH 112, **ANTH 202**, ECON 181, GEOG 103, GEOG 180, PSYC 101, **PSYC 215**, **PSYC 221**, PHIL 211, POLS 101, POLS 111, POLS 211, **SOC 101**, **SOC 105**, **SOC 231**, and **SOC 233**.

Courses satisfying the American Diversity requirement are in **bold**.

Two courses in the humanities in addition to English 101 and 102 or 112 are also required to complete the degree. Courses which will meet the humanities general education requirement include art history, English (100 and 200 levels), foreign languages, history, humanities, music history, and philosophy.

Students with specialized academic interests or plans to major in a certain subject after transfer should consider one of the more specialized degree programs offered by the College.

(continued on next page)

Recommended Course Sequence	Course Number and Name	Prerequisite or Corequisite	Credits
Program Core Courses - Culture, Science, and Technology			
1	ENGL 101 - English Composition I	ENGL 098 or placement	3
2	MATH 118 - Intermediate Algebra or above	MATH 017	3/4
3	First course from the Society Cluster ¹		3
4	CIS 103 - PC Applications		3
5	Natural Science Course (Breadth Requirement)		4
6	Second Math or Statistics Course ²	MATH 118	3/4
7	ENGL 102 or 112 ³	ENGL 101	3
8	Second course from the Society Cluster		3
9	Natural Science Course (Breadth Requirement)		4
10	First Humanities Elective ¹		3
11	Concentration Elective ⁴		3/4
12, 13	Natural Science or Technology Course (Depth Requirement)		8
14	Third course from the Society Cluster		3
15	Second Humanities Elective		3
16, 17, 18, 19	General Electives ⁵		9-12

Total to Graduate: 60 credits minimum

¹One course (either a Humanities or Society course) must meet the American Diversity requirement. See current list of approved courses on page 36 and in bold on the previous page.

² Science/Technology concentration: take second math course, at MATH 135 level or higher. Health careers concentration: ECON 112 or MATH 251 is recommended.

³Students planning to transfer should consider English 102.

⁴Science/Technology concentration: choose elective from list of technological disciplines. Health careers concentration: choose either DIET 111 or HIT 105.

⁵Students will need to complete enough credits in elective courses so that their total number of credits is 60 or higher. The actual number of elective credits needed depends on the credit count of courses chosen to fulfill other degree requirements.

For More Information Contact:

The Division of Mathematics, Science & Health Careers, Room W2-7, 1700 Spring Garden Street, Philadelphia, PA 19130, Telephone 215-751-8431; or the College Information Center, (215) 751-8010.