

ASSOCIATE IN ARTS Study Track: COMPUTER SCIENCE

*This template has been developed by university and community college faculty and made specific for Durham Tech students. It is to be used as a blueprint for guiding students interested in majoring in Computer Science in their course selections. Students who successfully complete this course of study and who meet the requirements for admission to the university may be eligible to apply for admission to the major with junior standing. **This agreement is meant as a guide and the student should not assume that it addresses unique requirements set by his or her university of choice. It is the student's responsibility to become aware of individual requirements of the senior institution and to make course substitutions as warranted, within the requirements of the AA Plan-of-Study.***

General Education Core (44 SHC): 44 semester hours of credit (SHC) in general education core courses are required as outlined by the North Carolina Community College Curriculum Standards for Associate in Arts degree programs. Students who complete the General Education Core requirements exclusively at public colleges and universities in North Carolina or at private colleges that have signed on to the Comprehensive Articulation Agreement will be able to transfer the set of courses as a package. The General Education Core includes study in the areas of English composition, humanities and fine arts, social and behavioral sciences, natural sciences, and mathematics.

English Composition (6 SHC):

- ENG 111 (3 SHC)—Expository Writing
- ENG 113 (3 SHC)—Literature-Based Research

Humanities and Fine Arts (12 SHC):

- One English literature course (3 SHC) selected from—ENG 231, 232, 233, 241, 242, 243, 251, 252, 261, 262
- *FL 111 (3 SHC)—Elementary Foreign Language I (Must be taken with the accompanying lab – see Other Required Hours below)
- *FL 112 (3 SHC)—Elementary Foreign Language II (Must be taken with the accompanying lab—see Other Required Hours below)
- HUM 110—Technology and Society (Offered fall only)

**Foreign languages offered at Durham Tech include French, German, Italian, Portuguese, and Spanish. Students graduating from UNC-CH are required to complete Intermediate Foreign Language I.*

Social and Behavioral Sciences (12 SHC):

- One history sequence (6 SHC) selected from
HIS 111 & 112 (6 SHC)—World Civilizations I and II *or*
HIS 121 & 122 (6 SHC)—Western Civilizations I and II
- Two courses (6 SHC) selected from the following list from two separate disciplines—
ANT 210, 220; ECO 251, 252; GEO 111, 112; POL 120, 220; PSY 150, 237, 241, 281;
SOC 210, 213, 220, 225

Natural Science (8 SHC):

- PHY 251 (4 SHC)—General Physics I (Offered spring only)
- PHY 252 (4 SHC)—General Physics II (Offered fall only)

Mathematics (6 SHC):

- MAT 271* (4 SHC)—Calculus I (Offered fall and spring only)
- MAT 272 (3 SHC)—Calculus II (Offered spring and summer only)

**Students entering this study-track must demonstrate competency in or complete the prerequisites for MAT 271.*

COMPUTER SCIENCE, Continued

ELECTIVES: To complete the Associate in Arts degree, a student must complete a total of 64 hours. Sixty-four credit hours are guaranteed to transfer. The transfer of credit hours beyond the 64th is not guaranteed. Electives transfer as a package if the student completes the AA degree. If the degree is not completed, then elective courses transfer on a course-by-course basis, and it is the student's responsibility to address individual program requirements at the university. We recommend that the additional 20-22 hours beyond the General Education Core be distributed as follows:

Other Required Hours (18-21 SHC):

- CHM 151 (4 SHC)—General Chemistry I
- CIS 115 (3 SHC)—Introduction to Programming and Logic
- CSC 134* (3 SHC)—C++ Programming (Offered fall only)
- CSC 151* (3 SHC)—Java Programming
- FL 181 (1 SHC)—Lab for Foreign Language I
- FL 182 (1 SHC)—Lab for Foreign Language II
- CAPSTONE COURSE (Required for Graduation): HUM 212 (3 SHC)—Humanities II *or* BIO 140 (3 SHC)—Environmental Biology

**CSC 134 and 151 transfer to UNC-CH only if the student completes the AA or the AS degree.*

Physical Education (1 SHC):

- One course (1 SHC) selected from—PED 111, 113, 114, 120, 121, 128, 130, 139, 142, 143, 145, 148, 162, 172, 183, 186

Other Elective Hours (0-1 SHC): Possibly one additional course selected from any course listed above or the following course:

- MAT 167 (3 SHC)—Discrete Mathematics (Offered spring by demand only)

The colleges and universities that offer this major:

To identify the public universities offering this major, go to the web site

<http://ias.ga.unc.edu/%7Epassess/acrobat/apibyprog.pdf> or
www.northcarolina.edu/content.php/aa/planning/traditional.htm .

To identify the private colleges and universities offering this major, go to the web site

<http://www.northcarolina.edu/content.php/assessment/reports/publications/api.htm> .

Transfer Assured Admissions Policy (TAAP): Beginning in Fall Semester 2005, a student who successfully earns the A.A. or A.S. degree and who falls under the other requirements of the Comprehensive Articulation Agreement (CAA) is assured admission to one of the 16 UNC institutions. See your advisor for further details.

Students should be aware that universities look more favorably on those who have completed the General Education Core (44 hours defined on the first page of this agreement) or the Associate in Arts or Associate in Science degree (64 hours).

Most universities allow, at most, 64 hours of credit to transfer. However, there are situations where more than 64 hours can be completed at the community college. Please consult with an advisor to find out what those situations are.