

ASSOCIATE IN SCIENCE
Study Track: BRITE at NCCU

With an Emphasis in Biopharmaceutical Science

The faculty at Durham Tech in collaboration with the faculty at NCCU recommends the following list of courses for students who plan to earn an AS degree at Durham Tech and are considering a transfer to North Carolina Central University in the BRITE scholarship program with an emphasis in Biopharmaceutical Science. It is to be used as a blueprint for guiding students interested in their general education course selections, with an eye toward selecting courses that fulfill the requirement of the BRITE program. Students who successfully complete this course of study and who meet the requirements for admission to NCCU 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 AS Plan-of-Study.*

General Education Core (47 SHC): 47 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 Science degree programs. Students who complete the General Education Core requirements exclusively at public colleges or 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 (9 SHC):

- One English literature course (3 SHC) selected from—ENG 231, 232, 233, 241, 242, 243, 251, 252, 261, 262
- *† FL 211 (3 SHC)—Intermediate Foreign Language I
- One course (3 SHC) selected from—ART 111, 114, 115, 117; DRA 122; HUM 110, 121, 150, 160; MUS 110, 113; PHI 215, 240; REL 110, 211

**Durham Tech offers French, German, Italian, Portuguese, and Spanish.*

† Students must demonstrate competency in or complete the prerequisites for Intermediate Foreign Language I.

Social and Behavioral Sciences (9 SHC):

- One history course (3 SHC) selected from HIS 111, 112
- 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 and Mathematics (23 SHC):

Natural Science (16 SHC):

- BIO 111 (4 SHC)—General Biology I
- CHM 151 (4 SHC), General Chemistry I
- CHM 152 (4 SHC)—General Chemistry II
- CHM 251 (4 SHC)—Organic Chemistry I

Mathematics (7 SHC):

- MAT 172*† (3 SHC)—Pre-calculus Trigonometry (Must be taken with the accompanying lab—see Other Required Hours below)
- MAT 271(4 SHC)—Calculus I

**Students may place out of this course and substitute a higher level mathematics course, instead.*

† Students must demonstrate competency in or complete the prerequisites to enroll in Pre-Calculus Trigonometry.

Brite at NCCU, Biopharmaceutical Science, continued

ELECTIVES: To complete the Associate in Science degree a student must complete a total of 65 semester hours. Sixty-four credit hours are guaranteed to transfer. Transfer of credit hours beyond the 64th is not guaranteed. If the student completes the AS degree, then electives transfer as a package. If the degree is not completed then the electives transfer on a course-by-course basis and it is the student's responsibility to address individual requirements at the university. The additional 20 hours beyond the General Education Core are recommended as follows:

Natural Science/Mathematics (14 SHC): An additional 14-16 semester hours of mathematics and sciences courses selected from the following list of courses:

- BIO 163 (5 SHC)—Basic Anatomy and Physiology
- BIO 175 (3 SHC)—General Microbiology *or* BIO 275 (4 SHC)—Microbiology
- CHM 252 (4 SHC)—Organic Chemistry II
- MAT 155 (3 SHC)—Statistical Analysis
- MAT 172A (1 SHC)—Pre-calculus Trigonometry Lab
- PHY 151 (4 SHC)—College Physics I
- PHY 152 (4 SHC)—College Physics II
- CAPSTONE COURSE (Required for Graduation): BIO 140 (3 SHC)—Environmental Biology

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 Required Hours*(5 SHC) :

Five semesters hours credit selected from any course listed above *or* CIS 110* *or* CIS 115*.

* *Students entering this study track must demonstrate computer competency or complete CIS 110 or CIS 115.*

The following course is offered at Durham Tech under the Biotechnology program. It is required by and will transfer to NCCU, but cannot be used to fulfill the requirements for the Associate in Science degree.

- *BTC 181**(4 SHC)—Basic Lab Techniques*

***This course is not covered under the Comprehensive Articulation Agreement*

Students transferring to NCCU under the BRITE program should make themselves aware of the requirements of the program by going to the website <http://www.nccu.edu/brite/> and by talking with the BRITE advisor at Durham Tech or at NCCU.

Transfer Assured Admissions Policy (TAAP): Beginning in the 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.