DURHAM TECHNICAL COMMUNITY COLLEGE PLAN OF STUDY

Revised Fall 2019

**UNIVERSITY TRANSFER**

**Associate in Engineering Degree (A10500)**

**Catalog/Academic Year 2019-2020**

**FALL START**

For more information, please see these links:

- Uniform Articulation Agreement (Associate of Engineering), which explains policies regarding transfer of credits (www.nccommunitycolleges.edu/academic-programs/college-transferarticulation-agreements/uniform-articulation-agreement-associate-engineering)
- Baccalaureate Degree Plans, which show a four-year course plan suggested by the four-year universities: (www.northcarolina.edu/Transfer-Students/NC-Community-College-Transfer)
- Course Substitution Policies (durhamtech.edu/policies-and-procedures/course-waiver)

*Developmental courses (ENG 002 and/or MAT 003) may be required based on college placement and course requisites.*

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## General Education: 45-46 SHC

### *Universal General Education Transfer Component (UGETC): 38 SHC*

*(All UGETC will transfer for equivalency credit)*

| **English Composition Courses (6 SHC)** | SHC | SEM | Grade |
|---|---|---|---|
| ENG 111 Writing and Inquiry<br>*(Prereq: ENG 002 Tier 1)* | 3 | | |
| ENG 112 Writing/Research in the Disciplines<br>*(Prereq: ENG 111)* | 3 | | |

| **Communications and Humanities/Fine Arts Courses (6 SHC)** | SHC | SEM | Grade |
|---|---|---|---|
| Choose from ART 111, ART 114, ART 115, COM 231, MUS 110, MUS 112<br>*(Prereq: ENG 002 Tier 1)* | 3 | | |
| Choose from ENG 231, ENG 232, ENG 241, ENG 242, PHI 215, PHI 240, *REL 110* (See **Notes** regarding REL 110)<br>*(Prereq: All ENG – ENG 112; PHI – ENG 111; REL 110 – ENG 002 Tier 1)* | 3 | | |

| **Social/Behavioral Sciences Courses (6 SHC)** | SHC | SEM | Grade |
|---|---|---|---|
| ECO 251 Principles of Microeconomics<br>*(Prereq: ENG 002 Tier 1 and MAT 003 Tier 1)* | 3 | | |
| Choose from HIS 111, HIS 112, HIS 131, HIS 132, POL 120, PSY 150, or SOC 210<br>*(Prereq: ENG 002 Tier 1)* | 3 | | |

*Calculus I is the lowest level math course that will be accepted by the engineering programs for transfer as a math credit. Students who are not calculus-ready will need to take additional math courses.*

| **Mathematics Courses (12 SHC)** | SHC | SEM | Grade |
|---|---|---|---|
| MAT 271 Calculus I<br>*(Prereq: MAT 172)* | 4 | | |
| MAT 272 Calculus II<br>*(Prereq: MAT 271)* | 4 | | |
| *MAT 273 Calculus III* (See **Notes** regarding MAT 273)<br>*(Prereq: MAT 272)* | 4 | | |

| **Natural Sciences Courses (12 SHC)** | SHC | SEM | Grade |
|---|---|---|---|
| CHM 151 General Chemistry I<br>*(Prereq: ENG 002 Tier 1 and MAT 003 Tier 2)* | 4 | | |
| PHY 251 General Physics I<br>*(Prereq: ENG 002 Tier 1 and MAT 271; Coreq: MAT 272)* | 4 | | |
| PHY 252 General Physics II<br>*(Prereq: MAT 272 and PHY 251)* | 4 | | |

| **Other General Education Courses (3-4 SHC)** | SHC | SEM | Grade |
|---|---|---|---|
| Choose from BIO 111, CHM 152, COM 231, ECO 252, GEL 111, HUM 110, PHI 240<br>*(Prerequisites vary – consult with advisor or check course description on Durham Tech website)* | 3-4 | | |

**Total UGETC SHC Completed: _____**

## Other Required Hours (14-15 SHC)

*(Student should consult with his or her advisor to complete, based on the requirements of the selected receiving institution and the student's intended major.)*

| Course | Comments | SHC | SEM | Grade |
|---|---|---|---|---|
| Academic Transition | ACA 122 College Transfer Success<br>*(Prereq: None. **This course should be taken in the student's first semester.**)* | 1 | | |
| Pre-major Elective | EGR 150 Introduction to Engineering<br>*(Prereq: ENG 002 Tier 1 and MAT 003 Tier 2)* | 2 | | |
| Additional Course(s) | Choose from BIO 111, CHM 152, CHM 251, CHM 252, COM 231, CSC 134, CSC 151, DFT 170, ECO 252, EGR 220, HUM 110, MAT 285, PED 110, *WBL 111, WBL 121* (See **Notes** regarding WBL)<br>*(Prerequisites vary – consult with advisor or check course description on Durham Tech website)* | 11-12 | | |
| Additional Course | | | | |
| Additional Course | | | | |
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| Additional Course | | | | |

**Notes:** REL 110 is not a UGETC course, but it will transfer for equivalency credit to the engineering programs at all five UNC institutions that offer undergraduate engineering programs. It may not transfer with equivalency to other programs. MAT 273 is not a UGETC course, but it is required for the AE degree. Students may use only one PED course toward satisfying Other Required Hours. WBL 111 and 121 are not transferable courses; therefore, students who elect to take WBL will need to graduate with more than 60 hours.

**Total Associate in Engineering SHC Completed (Minimum 60 SHC): _____**