DELAWARE TECHNICAL AND COMMUNITY COLLEGE

and

UNIVERSITY OF DELAWARE

PROGRAM ARTICULATION AGREEMENT

Associate Degree
A.A.S. Electrical and Computer Engineering
Transfer Option

Baccalaureate Degree
Bachelor of Electrical Engineering

2021 through 2026
Associate-Baccalaureate Program Articulation Agreement
between
Delaware Technical and Community College
and
University of Delaware
for
A.A.S. Electrical and Computer Engineering Transfer Option
and
Bachelor of Electrical Engineering

AGREEMENT

WHEREAS Delaware Technical and Community College (DTCC) and University of Delaware (UD) are committed to expanding educational opportunities for the citizens of the State of Delaware, and

WHEREAS the two institutions are committed to providing a smooth transition for students wishing to earn an associate’s degree and a bachelor’s degree, and

WHEREAS the intent of the two institutions is to avoid duplication of curricula where appropriate within articulated programs of studies, and

WHEREAS the two institutions better serve the educational growth of students and the economic development of the community through cooperative educational planning and optimal utilization of community resources,

BE IT HEREWITH RESOLVED that this agreement commits the partners to full support of an articulation process between similar academic programs offered by the two institutions.
PROVISIONS OF THE AGREEMENT

1. The institutions agree to follow the connected degree curricula delineated in this document for the transfer of DTCC's Associate in Applied Science Degree Program in Electrical and Computer Engineering Transfer Option and UD's Bachelor of Electrical Engineering.

2. Both educational institutions will cooperate toward developing, disseminating, and presenting the articulated program information to students.

3. Graduates of the DTCC program who have completed the Associate degree with a cumulative grade point average of 2.5 or higher will automatically be accepted into the Bachelor degree program at UD. Those with a cumulative grade point average between 2.0 and 2.5 will be considered for admission on a space available basis. Students will be considered for admission based on the completed work at the time of review. DTCC will provide confirmation of degree completion upon student’s final semester of coursework. Students who do not complete the degree program as outlined in the agreement may have admission based on the articulation agreement criteria rescinded, however still may be consider for regular transfer admission based on the totality of their academic record. UD reserves the right to recalculate the DTCC cumulative grade point average to account for DTCC's grade forgiveness policy when making admission decisions.

4. Students must complete the courses in the specified Associate degree program herein with a grade of C or better to receive the credits for transfer. Students are expected to complete all courses outlined in the DTCC portion of the agreement at DTCC. Students who have attended a college or university other than DTCC and transferred credits to DTCC in pursuit of the Associate degree program may not be admissible via the provisions of this articulation agreement. In such cases, students will be considered based on their entire academic history and not guaranteed admission to the Bachelor's degree program or the course equivalencies detailed within the provisions of this agreement. Coursework taken at an institution other than DTCC may not transfer to UD as noted in the agreement. It is expected that students will complete all coursework in the UD portion of the agreement at UD. Students who previously attended UD are not eligible for admission via an articulation agreement and instead should apply for readmission consideration if wishing to re-enroll at UD.

5. Students intending to transfer should complete the UD admissions application following the third semester of their Associate degree program. Students should note on their application that they are applying as part of an articulation agreement/connected degree.

6. Students are subject to all the policies and procedures of both institutions.
7. Students are subject to all specific policies pertaining to students admitted to the Bachelor of Electrical Engineering degree program.

8. This articulation agreement is based on the present curricula contained in this document and it is effective for a period of five years from the date of signing by both parties.

9. At any time, both institutions may initiate changes to this articulation agreement. Both institutions reserve the right to modify the programs as deemed necessary and agree to inform the appropriate individuals of said changes. Departments will review agreements and notify the appropriate individuals at each institution of any changes by July 1 of each year the agreement is in effect. The University of Delaware will make a good faith effort to honor this articulation agreement for any Delaware Technical and Community College student who enrolls in the Electrical and Computer Engineering Associate degree program during the five-year period specified for this agreement and graduates with the required associate degree within eight (8) years of the signing of this agreement by both parties. A student who meets these conditions must apply to the University of Delaware and be accepted in order to receive the benefits of this agreement.

10. This Agreement shall apply to DTCC students who enroll in the Electrical and Computer Engineering Transfer Option Associate degree program after January 1, 2020.
# CONNECTED DEGREE ANALYSIS

**Matching Worksheet/Suggested Course Sequence/Bachelor’s Completion**

<table>
<thead>
<tr>
<th>ASSOCIATE DEGREE PROGRAM</th>
<th>BACHELOR'S DEGREE COURSE MATCH OR POTENTIAL COURSE MATCH</th>
<th>BACHELOR'S DEGREE COMPLETION</th>
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<tr>
<td>COURSE NO./NAME First Semester (Fall)</td>
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<tr>
<td>CHM 150 Chemical Principles I</td>
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<td>CHEM 103 General Chemistry</td>
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<td>CHEM 133 General Chemistry Lab</td>
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<td>CHEM 166DE Departmental Elective</td>
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<td>CEN 100 Intro to Electrical and Computer Engineering Technology</td>
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<td>EGGG 101 Introduction to Engineering</td>
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<td>EGGG 166DE Departmental Elective</td>
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<td>MAT 281 Calculus I</td>
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<td>MATH 241 Analytic Geometry and Calculus A</td>
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<td>CSC 114 Computer Science I</td>
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<td>CISC 108 Introduction to Computer Science I (CISC 114 + CEN 200 subs for CISC 108 in the major.)</td>
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<td>CISC 166DE Departmental Elective</td>
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<td>ENG 101 Critical Thinking and Academic Writing*</td>
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<td>ENGL 166DE Departmental Elective (ENG 101 + ENG 102 = ENGL 110 Exemption)</td>
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<td>SSC 100 First Year Seminar</td>
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<td>UNIV 166DE Departmental Elective</td>
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<td>Second Semester (Spring)</td>
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<td>PHYS 207 Fundamentals of Physics I</td>
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<td>PHYS 242 Analytic Geometry and Calculus B</td>
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<td>CSC 164 Computer Science II</td>
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<td>CISC 166DE Departmental Elective (which counts as Technical Elective #1)</td>
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<td>ELC 205 Introduction to Digital Systems</td>
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<td>CPEG 202 Introduction to Digital Systems</td>
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<td>ENG 102 Composition and Research*</td>
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*Beginning Fall 2021, ENG 101 will be renamed Composition I and beginning Spring 2022, ENG 102 will be renamed Composition II

Electrical and Computer Engineering/Electrical Engineering
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<tr>
<th>Course No./Name</th>
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<td>XXX XXX Social Science</td>
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<td>XXXXX XXX Breadth Requirement Elective #1</td>
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<td>ELEG 498 Senior Design I (DLE &amp; Capstone)</td>
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Electrical and Computer Engineering/Electrical Engineering
# CONNECTED DEGREE CURRICULUM

Suggested Course Sequence

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<tr>
<th>ASSOCIATE DEGREE</th>
<th>BACHELOR'S DEGREE</th>
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<tr>
<td><strong>DELAWARE TECHNICAL AND COMMUNITY COLLEGE</strong></td>
<td><strong>UNIVERSITY OF DELAWARE</strong></td>
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<td><strong>Semester 1 (Fall)</strong></td>
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<td>CHM 150 Chemical Principles I</td>
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<tr>
<td>CEN 100 Intro to Electrical and Computer Engineering Tech</td>
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<td>MAT 281 Calculus I</td>
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<td>ENG 101 Critical Thinking and Academic Writing</td>
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<td>SSC 100 First Year Seminar</td>
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<td>PHY 281 Physics I with Calculus</td>
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<td>MAT 282 Calculus II</td>
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<td>CSC 164 Computer Science II</td>
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<td>ELC 265 Introduction to Digital Systems</td>
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<td>ENG 102 Composition and Research</td>
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<td><strong>Semester 3 (Summer)</strong></td>
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<td>ELC 272 Electronic Circuit Analysis I</td>
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<td>MAT 282 Engineering Math I</td>
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<td>ELC 282 Signals and Systems</td>
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<td>ELC 275 Microprocessor Systems</td>
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<td><strong>GRAND TOTAL</strong></td>
<td>76</td>
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- The Bachelor of Electrical Engineering requires a minimum of 126 credits.
- Course sequencing may vary by semester. See your advisor.
- One of the Breadth Requirement Electives must be used to satisfy the UD 3-credit Multicultural Course requirement.

For more information, contact:

**Delaware Technical and Community College**
Electrical & Computer Engineering Dept.
Terry Campus, Dover, DE: (302) 857-1303
Owens Campus, Georgetown, DE: (302) 259-8555
Stanton Campus, Newark, DE: (302) 454-3795

**University of Delaware**
F. Charles Shermeyer: (302) 831-8659
Dr. Jamie Phillips: (302) 831-6699

This articulation agreement is subject to change based on Delaware Technical and Community College and University of Delaware curricula changes.

Electrical and Computer Engineering/Electrical Engineering
APPROVAL

This program articulation agreement is between Delaware Technical and Community College's Associate of Applied Science Degree in Electrical and Computer Engineering Transfer Option and the University of Delaware's Bachelor of Electrical Engineering.

Approval is granted for a period of five years effective on the date both parties have fully executed this agreement.

This agreement may be executed electronically through the use of any program that meets the requirements of the Delaware Uniform Electronic Transactions Act, or other applicable law, or in any number of counterparts and all of such counterparts shall together constitute one and the same instrument. Delivery of an executed counterpart of a signature page of this Agreement in Portable Document Format (PDF) or by facsimile transmission shall be effective as delivery of a manually executed original counterpart of this Agreement.

DELAWARE TECHNICAL AND COMMUNITY COLLEGE

[Signature]

Dr. Mark T. Branham
President

Date

9/14/2021

UNIVERSITY OF DELAWARE

[Signature]

Dr. Robin Morgan, Provost

Date

9/27/21

Justina M. Thomas

[Signature]

Justina M. Thomas, Vice President for Academic Affairs

Date

Sep 17, 2021

Dr. Levi T. Thompson,
Dean, College of Engineering, and Elizabeth Inez Kelley Professor,
Chemical & Biomolecular Engineering

Date

9/24/2021

Jeff Hall

[Signature]

Jeffrey Hall, Department Chair
Engineering Technologies
Terry Campus

Date

Sep 14, 2021

Dr. Jamie D. Phillips, Chair
Electrical and Computer Engineering

Date

Sep 23, 2021

Electrical and Computer Engineering/Electrical Engineering