DIRECT TO TECH UNDERGRADUATE-GRADUATE DEGREE
ARTICULATION AGREEMENT

with Virginia Polytechnic Institute and State University

(for the Computer Engineering and Computer Science Graduate Programs)

This Agreement, effective the _____ day of _____, 2023, is made by and between Virginia Polytechnic Institute and State University, known as Virginia Tech (VT) and an eligible college or university, referred to as partner institution in this agreement, as determined in the amendments. In this instance, the partner institution is Roanoke College.

Partner Institution offers a Bachelor-level degree and courses that provide the prerequisite material needed for admission to the following graduate degree programs at VT:

- VT’s Department of Computer Science (CS) Master of Engineering (MEng) Computer Science and Applications (CSA)
- VT’s Department of Electrical and Computer Engineering (ECE) Master of Engineering (MEng) Computer Engineering (CPE)

Program Goals

The goal of the Direct to Tech (D2T) program in Computer Science or Computer Engineering is to enable qualified undergraduate students, including non-CS and non-engineering majors, to receive an admission offer to one of the degree programs mentioned above before completing their BS/BA degree. This agreement secures the student admission into the graduate program for which the student applies upon completion of the Bachelor-level degree. The benefit of the Direct to Tech program is to reduce the timeline of admission and to facilitate an early transition into the VT Computer Science and Applications (CSA MEng) and Computer Engineering (CPE MEng) graduate degree programs.

Program Advertising and Promotion to Students

The partner institution will take the lead in advertising the Direct to Tech program to its current and prospective students. In addition to advertising to currently enrolled undergraduates at the partner institution, advertising will include outreach to high schools from which the partner institution draws its students and to current eligible students. VT will participate in recruitment events organized by the partner institution to the extent mutually deemed necessary.

Last updated January 9, 2023
Program Requirements, Characteristics, and Application Process

Access to the program is limited to those currently enrolled at the partner institution. Interested students must apply to VT’s CSA MEng or CPE MEng program in their senior year to be accepted. Applications must be submitted online, and fee waiver instructions will be provided as part of the online application process prior to submission. This process will allow all applicants to apply without an application fee. Application to the VT CSA MEng and CPE MEng graduate degree does not require submission of GRE scores. Admission to the Direct to Tech program requires a minimum overall GPA of 3.0 at the time of application. Applications must meet the requirements of the Graduate School, including submission of official transcripts.

The Addendum below outlines the prerequisite requirements for the Roanoke College student to meet to be eligible for admission.

Justification and Quality Review Process

Faculty at both institutions were involved in the formation of the MOU with review of degree program learning outcomes to ensure that degree requirements are met. An annual review of courses by faculty at both institutions will ensure quality and timely changes as needed.

Accreditation Status

This agreement is contingent upon each institution's good standing with SACSCOC.

Modifications

Modifications of the Agreement must be agreed to by the parties in writing.

Force Majeure

The performance of the Articulation Agreement by either party shall be subject to force majeure including, but not limited to, acts of God, fire, flood, natural disaster, war or threat of war, acts or threats of terrorism, civil disorder, unauthorized strikes, governmental regulation or advisory, recognized health threats as determined by the World Health Organization, the Centers for Disease Control, or local government authority or health agencies (including but not limited to the health threats of COVID-19, H1N1, or similar infectious diseases), curtailment of transportation facilities, or other similar occurrence beyond the control of the parties, where any of those factors, circumstances, situations, or conditions or similar ones prevent, dissuade, or unreasonably delay the undergraduate/graduate program, or where any
of them make it illegal, impossible, inadvisable, or commercially impracticable to hold the undergraduate/graduate program or to fully perform the terms of the Articulation Agreement. The Articulation Agreement may be canceled by either party, without liability, damages, fees, or penalty, for any one or more of the above reasons, by written notice to the other party.

**Term and Termination**

This agreement shall be effective as of the date of the execution and shall continue for a term of 5 years, after which time this Agreement shall be automatically renewed for 5 years terms unless otherwise terminated herein. This Agreement may be terminated by either party by providing 1 calendar year prior written notice to the other party. Termination of this Agreement shall not affect students who are currently participating in the Direct to Tech program and the terms of this Agreement shall continue to apply to students until the completion of their undergraduate degree.
The undersigned agree to the DIRECT TO TECH ARTICULATION AGREEMENT.

Dean Julia Ross  
College of Engineering, Virginia Tech  

Date

Dean Aimée Surpremant  
Graduate School, Virginia Tech  

Date

Provost Cyril Clarke  
Virginia Tech  

Date

Kathy Wolfe  
Academic Vice President and Dean  
Roanoke College  

2-22-23  

Date
Addendum Roanoke College

Pathway for RC Engineering Science and Non-Engineering Science students to the RC/VT Direct to Tech Computer Science (CSA) Master of Engineering graduate program

RC Engineering Science majors and non-majors are eligible to apply in their senior year and be accepted into the RC/VT CSA graduate program by completing a set of introductory CS courses. To be eligible for admission, RC and VT recommend that students complete the following courses by the 2nd semester of their Junior year and maintain an overall minimum GPA of 3.0.

<table>
<thead>
<tr>
<th>RC Course</th>
<th>VT Equivalent</th>
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<tbody>
<tr>
<td>CPSC 120 Programming</td>
<td>CS1114 Introduction to Software Design</td>
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<td>and</td>
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<td>CPSC 170 Fundamentals of Computer Science</td>
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<tr>
<td>CPSC 250 Data Structures and Algorithms</td>
<td>CS 2114 Intro to Software Design and Data Structures</td>
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Pathway for RC Engineering Science Majors and non-major students to the RC/VT Direct to Tech Computer Engineering (CPE) Master of Engineering graduate program

RC Engineering Science majors and non-majors are eligible to apply in their senior year and be accepted into the RC/VT CPE graduate program by completing a set of introductory courses below. To be eligible for admission, RC and VT recommend that RC Non-CS Major UG students complete the following courses by the 2nd semester of their Junior year and maintain an overall minimum GPA of 3.0.

<table>
<thead>
<tr>
<th>RC Course</th>
<th>VT Equivalent</th>
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<tbody>
<tr>
<td>Math 118 Differential Calculus</td>
<td>Math 1225 Calculus of a Single Variable</td>
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<tr>
<td>Math 119 Integral Calculus</td>
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<tr>
<td>Math 122 Calculus II</td>
<td>Math 1226 Calculus of a Single Variable II</td>
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</table>

Last updated January 9, 2023
For questions or more information regarding the VT graduate degree program in Blacksburg, contact the VT Graduate Program Coordinator. For questions or more information regarding what courses to take at RC to be prepared for admission into the VT graduate degree program, please contact the Roanoke College faculty of the Department.

Approvals

Luke Lester, Department Head  
Electrical and Computer Engineering  
Virginia Tech

Cal Ribbens, Department Head  
Computer Science  
Virginia Tech

Roland Minton, Professor  
Department Chair  
Math, Computer Science, Physics  
Roanoke College

Date

Date

2-22-23

Date

Last updated January 9, 2023