ARTICULATION AGREEMENT
By and between
Cuyahoga Community College
And
Rose-Hulman Institute of Technology

THIS ARTICULATION AGREEMENT (the “Agreement”) is entered into on this 6th day of December, 2010 (the “Effective Date”) by and between Cuyahoga Community College District (the “College”), with an address at 700 Carnegie Avenue, Cleveland, Ohio 44115-2878; and Rose-Hulman Institute of Technology (“RHIT”), with an address at 5500 Wabash Avenue, Terre Haute, Indiana 47803. The College is an institution of higher education established pursuant to Section 3354 of the Ohio Revised Code, and RHIT is an institution of higher education in the state of Indiana and accredited by The Higher Learning Commission. The College and RHIT desire to enter into a contract pursuant to which students of the College would be eligible for articulated course credits at RHIT, according to the terms contained in this Agreement.

ACCORDINGLY, in consideration of the promises and mutual covenants contained in this Agreement, and of other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Description of Articulation Program.
   a. Definitions. Articulation Criteria and Articulation Benefits are defined on Attachment A.
   b. Articulation Benefits to Students. RHIT will provide the Articulation Benefits at no charge to past and present students of the College who meet the Articulation Criteria.
   c. Accreditation of the College. The College warrants that its academic programs are accredited by The Higher Learning Commission of the North Central Association of Colleges and Schools. The College will notify RHIT if such accreditation ceases to exist.
   d. Accreditation of RHIT. RHIT warrants that it is accredited by The Higher Learning Commission of the North Central Association of Colleges and Schools. RHIT will notify the College if such accreditation ceases to exist.
   e. Admissions Processing. For those past or present students who meet Articulation Criteria 1(a-b), RHIT will consider their applications for admission in accordance with standard RHIT admission application evaluation criteria, while favorably recognizing students’ accomplishments at the College.
   f. Non-Exclusivity. This Agreement is not exclusive, and either party may enter into similar agreements with any other party.

2. Term and Termination.
   a. Term. This Agreement will run from the Effective Date until the end of the last day of the Spring, 2016 academic term of the College, at which time this Agreement will automatically expire.
   b. Termination. Either party may terminate this Agreement in the event of a material breach by the other party, effective upon the later date to occur of (i) the end of the next admissions application and review period of RHIT, or (ii) the date that is 90 days after the notice that includes a description of the breach; provided in either case that the breaching party shall be allowed until said effective date to cure said breach, and if the breach is so cured the termination notice will be of no effect.
   c. Post-Termination. Upon expiration or termination of this Agreement for any reason, College students previously accepted by or admitted to RHIT shall continue to receive the benefits contemplated by this Agreement.

3. Miscellaneous.
a. **Severability.** If any Section or provision of this Agreement be held illegal, unenforceable or in conflict with any law by a court of competent jurisdiction, such Section or provision of this Agreement shall be deemed severed from this Agreement and the validity of the remainder of this Agreement shall not be affected thereby.

b. **Governing Law.** This Agreement shall be governed by and construed in accordance with the laws of Ohio applicable to contracts made and to be enforced wholly within Ohio.

c. **Jurisdiction; Venue.** The parties to this Agreement each specifically consent to jurisdiction in Ohio in connection with any dispute between the parties arising out of this Agreement or pertaining to the subject matter hereof. Venue for any dispute between the parties arising out of this Agreement or pertaining to the subject matter hereof will be in the U.S. District Court for the Northern District of Ohio or in the state courts of Ohio sitting in Cuyahoga County.

d. **Survival.** Sections 2(c) and this Section 3 will survive termination or expiration of this Agreement.

e. **Notices.** All notices or other written communications relating to termination, expiration, or any other legal matter relating to this Agreement will be effective when received in accordance with this Section 3(e) and must be given in writing by courier or reputable overnight delivery service, or by certified mail, return receipt requested, to either party at the following address (or to such other address as such party may substitute, by providing a written notice in the manner specified in this Section) with, in the case of the College, an additional copy addressed to “General Counsel”:

   - **For RHIT:**
     - Dr. William Kline
     - Vice President for Academic Affairs
     - and Dean of Faculty
     - 5500 Wabash Avenue
     - Terre Haute, Indiana 47803

   - **For Cuyahoga Community College:**
     - Peter Ross
     - Vice President, Enrollment Management
     - 700 Carnegie Avenue
     - Cleveland, Ohio 44115-2878

f. **Waivers and Amendments.** The waiver by either party of any provision of this Agreement on any occasion and upon any particular circumstance shall not operate as a waiver of such provision of this Agreement on any other occasion or upon any other circumstance. This Agreement may be modified or amended only via a writing signed by both parties.

g. **Assignment.** Neither party may assign its rights or delegate its duties under this Agreement. Any attempted assignment or delegation in violation of this Section would be null and void.

h. **Complete Agreement; Integration.** This Agreement contains the complete understanding of the parties with respect to the subject matter hereof and supersedes all other agreements, understandings, communications and promises of any kind, whether oral or written, between the parties with respect to such subject matter.

i. **Counterparts; Facsimile Signatures.** This Agreement may be executed in multiple counterparts, all of which shall be originals and which together shall constitute a single agreement. For the purpose of interpreting this Agreement, facsimile signatures shall be considered equivalent to original signatures.

j. **Independent Contractors.** The parties are independent contractors, and no agency, partnership, franchise, joint venture, or employment relationship is intended or created by this Agreement. Neither party shall make any commitment, or give the impression that it has authority to make any commitment, on behalf of the other party.

k. **Compliance with Laws.** The parties will comply with all applicable laws and regulations in performing their obligations hereunder. When taking actions (or failing to act) in any way relating to this Agreement, each party agrees that it will not unlawfully discriminate against any person on the basis of race, sex, religion, disability, age, national origin, or color.
INTENDING TO BE LEGALLY BOUND, by signing below, each party acknowledges its agreement with the terms and conditions of this Agreement and each signatory represents and warrants that he/she is authorized to sign on behalf of and to bind his/her party to all of the terms and conditions of this Agreement as of the Effective Date.

CUYAHOGA COMMUNITY COLLEGE DISTRICT: ROSE-HULMAN INSTITUTE OF TECHNOLOGY

By: ________________________________ By: ________________________________
Mr. Peter Ross
Vice President, Enrollment Management

Dr. William Kline
Vice President of Academic Affairs and Dean of Faculty
Attachment A
To The
Articulation Agreement Dated December 6, 2010
By and Between
Cuyahoga Community College District and RHIT

Articulation Criteria and Articulation Benefits

1. The articulation criteria (“Articulation Criteria”) are:
   a. Completion of an Associate’s degree in an engineering related field of study or Associate of Science.
   b. Transfer student admission requirements are:

      A student transferring from another college or university is required to be in “good academic standing.”
      Credit may be given at Rose-Hulman for work done elsewhere which is considered to be equivalent of the
      corresponding course at Rose-Hulman if a grade of C or better was earned.

      Credits earned elsewhere will be evaluated by the head of the department in which the courses would be
      taught at Rose-Hulman. Final acceptance of the credit is at the discretion of the head of the department in
      which the student is seeking a degree.

2. The articulation benefits (“Articulation Benefits”) are:
   a. Certain College course credits will transfer as equivalent to RHIT courses, as set forth in the attached Credit
      Transfer Table. See Appendix A.
   b. Certain College course credits will transfer towards RHIT’s engineering degrees, see Credit Transfer Table
      and model degree curriculum pathway (with Rose-Hulman departmental designations) in Appendix A and B.
   c. College scholarships will be available to eligible transfer students. See Appendix C
Appendix A: Transfer Tables

Equivalent Course Listing

**Rose-Hulman Institute of Technology**
- AB101 Essential Biology
- AB 110 Cell Structure and Function
- AB 110, AB 120 plus AB 130
- AB 120 Comparative Anatomy
- AB 210 Genetics
- AB 220 Prokaryotic Cell and Molecular Biology
- AB 264 Environmental Science
- CHEM 105 Engineering Chemistry I
- CHEM 107 Engineering Chemistry II
- CHEM 225 Analytic Chemistry I
- CHEM 251 Organic Chemistry I
- CHEM 252 Organic Chemistry II
- ECE 130 Introduction to Logic Design
- EM 104 Graphical Communications
- EM 121 Statics and Mechanics of Materials I
- EM 204 Statics and Mechanics of Materials II
- ES 203 or ECE 206 or ECE 203
- ES 204 Mechanical Systems
- GS 000 credit awarded for Global Studies requirement
- GS 128 Comparative Politics
- GS 163 International Relations
- GS 223 World History
- GS 291 World Geography
- IA 000 Credit awarded for Ideas and Arts requirement
- IA 000 Credit awarded for Ideas and Arts requirement
- IA 000 Credit awarded for Ideas and Arts requirement
- IA 000 Introduction to Short Fiction
- IA 101 Introduction to Philosophy
- IA 142 Drawing
- IA 230 Fundamentals of Public Speaking
- IA 231 Introduction to Poetry
- IA 233 World Literature
- IA 234 Major American Writers
- IA 235 Major British Writers
- IA 238 African American Literature
- IA 240 Introduction to Shakespeare
- IA 244 Design and Color
- IA 246 Music Theory I
- MA 101 Introductory Calculus
- MA 102 Differential Calculus

**Cuyahoga Community College**
- BIO 1040, 1050 or 1060
- BIO 1500 Biology I
- BIO 1500 and BIO 1510
- BIO 1510 Biology II
- BIO 2060 Principles of Genetics
- BIO 2500 Microbiology
- BIO 2150 Environmental Science
- CHEM 1300 and CHEM 13002 Gen. Chemistry I
- CHEM 1310 and CHEM 13102 Gen. Chemistry II
- CHEM 2400 Quantitative Analysis
- CHEM 2300 Organic Chemistry I
- CHEM2310 Organic Chemistry II
- EET 1240 Digital Circ./Microprocessors I
- MET1220 AutoCad 2D
- MET1600 Technical Statics
- MET2200 Strength of Materials
- EET1220 Circuits and Electronics
- MET1620 Technical Dynamics
- GEOG-1030 Environmental Geography
- POL-2030 Comparative Politics
- POL-2070 International Relations
- Hist-1010 History of Civilization I
- GEOG-1010 World Regional Geography
- VCPH-1050 Black and White Photography I
- VCPH-1150 History of Photography
- VCPH-1250 Black and White Photography II
- ENG-2420 Introduction to Literature: Fiction
- PHIL-1010 Introduction to Philosophy
- ART-1050 Drawing I
- SPCH-101 Honors Fundamentals of Speech Communication
- ENG-2410 Intro to Literature: Poetry
- ENG-2700 World Literature
- ENG-2310 American Literature I
- ENG-2350 British Literature
- ENG-2520 African-American Literature II
- ENG-2710 Shakespeare
- VC&D-1100 Fundamentals of Design and Layout
- MUS-1210 Intro to Music Theory
- MATH 1610 Calculus I
- MATH 1610 Calculus I
MA 111 Calculus I
MA 112 Calculus II
MA 113 Calculus III
MA 223 Engineering Statistics I
MA 275 Discrete and Combinatorial Algebra I
ME 123 Computer Applications I
ME 328 Materials Engineering
PH 000 free elective
PH 111 Physics I
PH 112 Physics II
PH 113 Physics III
PH 255 Fundamentals of Modern Physics
RH 000 free elective
SV 000 credit awarded for Society and Values requirement
SV 000 credit awarded for Society and Values requirement
SV 151 Principles of Economics
SV 151 Principles of Economics
SV 166 American Politics and Government
SV 171 Principles of Psychology
SV 222 Western Civilization to 1500
SV 223 Western Civilization since 1500
SV 288 Introduction to Sociology

MATH-1610 Calculus I
MATH-1620 Calculus II
MATH-2310 Calculus III
MATH-1410 Elementary Probability and Statistics I
MATH-2010 Introduction to Discrete Mathematics
MET120 Computer Applications and Programming
MET1300 Engineer Materials/Metallurgy
PHYS 1500 Nuclear Medicine Physics
PHYS 1300 Physics of Optical Materials
PHYS 2310 General Physics I
PHYS 2310 General Physics I
PHYS 2320 General Physics II
PHYS 2400 Modern Physics
ENG-1010 College Composition I
ECON-1220 Economic Development of the American Economy
POL-1020 State and Local Government or POL-101H Honors State and Local Government
ECON-1210 Survey of Economics
ECON-1600 Principles of Economics
POL-1010 American National Government or POL-101H Honors American National Government
PSY-1010 General Psychology or PSY-101H Honors General Psychology
Hist-1010 History of Civilization I
Hist-1020 History of Civilization II
SOC-1010 Introductory Sociology
Appendix B: ELECTRICAL ENGINEERING Model Program of Study

### Freshman Year

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<tr>
<th>Fall Term</th>
<th>Credit</th>
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<tr>
<td>PH 111</td>
<td>Physics I</td>
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<tr>
<td>MA 111</td>
<td>Calculus I</td>
</tr>
<tr>
<td>CLSK 100</td>
<td>College and Life Skills</td>
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<tr>
<td>RH 131</td>
<td>Rhetoric &amp; Composition or HSS Elective</td>
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<tr>
<td>ECE 160</td>
<td>Engineering Practice</td>
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### Winter Term

<table>
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<tr>
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### Spring Term

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### Sophomore Year

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<tr>
<td>MA 211</td>
<td>Differential Equations</td>
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<tr>
<td>CHEM 105</td>
<td>Engineering Chemistry I</td>
</tr>
<tr>
<td>ECE 203</td>
<td>DC Circuits</td>
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<tr>
<td>ECE 230</td>
<td>Microcontrollers and Computer Architecture</td>
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<th>Winter Term</th>
<th>Credit</th>
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<td>MA 212</td>
<td>Matrix Algebra and Systems of Differential Equations</td>
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<tr>
<td>HSS</td>
<td>AC Circuits</td>
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<tr>
<td>MA 381</td>
<td>Introduction to Probability with Applications to Statistics</td>
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<tr>
<td>ECE 205</td>
<td>Dynamical Systems</td>
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<tr>
<td>HSS</td>
<td>Electronic Device Modeling</td>
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### Junior Year

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<tr>
<td>ECE 300</td>
<td>Signals &amp; Systems</td>
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<tr>
<td>ECE 370</td>
<td>Power &amp; Energy Systems or Sustainable Energy Systems</td>
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<tr>
<td>ECE 371</td>
<td>Electromagnetic Fields</td>
</tr>
<tr>
<td>RH 330</td>
<td>Technical and Professional Communication</td>
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<td>ECE 380</td>
<td>Discrete Time &amp; Continuous Systems</td>
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<td>ECE 351</td>
<td>Analog Electronics</td>
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<tr>
<td>ECE 341</td>
<td>Electromagnetic Waves</td>
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### Senior Year

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<tr>
<td>Area Elective</td>
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<tr>
<td>HSS</td>
<td>Elective</td>
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<tr>
<td>Tech Elective</td>
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<td>Area Elective</td>
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<tr>
<td>HSS</td>
<td>Elective</td>
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<td>Free Elective</td>
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<td>Spring Term</td>
<td>Credit</td>
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<tr>
<td>----------------------</td>
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</tr>
<tr>
<td>ECE 310 Communications Systems</td>
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<tr>
<td>ECE 320 Linear Control Systems</td>
<td>4</td>
</tr>
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<td>ECE 333 Digital Systems</td>
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<tr>
<td>ECE 362 Principles of Design</td>
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**Total credits required: 194**
Appendix C: Scholarship Information

**ROSE-BUD**
S-STEM Scholarship Program in Electrical and Computer Engineering

**Goal**
The goal of the Rose Building Undergraduate Diversity (ROSE-BUD) program is to broaden the participation of academically talented students majoring in electrical and computer engineering. The program is part of National Science Foundation’s efforts to encourage more students toward careers in science, technology, engineering and mathematics (STEM). Students may receive up to $10,000 per year to support academic scholarship.

**Eligibility**
One of the goals of the program is to build diversity among electrical and computer engineering students. The ROSE-BUD program is a scholarship program available to academically talented students majoring in electrical or computer engineering who demonstrate a financial need with special emphasis on women and minorities.

Eligible students are freshmen or transfer students with a demonstrated financial need who have been accepted to Rose-Hulman. Through the generosity of the National Science Foundation, the ROSE-BUD program will provide financial support, advising, mentoring, networking and professional development. To be eligible for the ROSE-BUD Scholarship Program students must meet the following criteria:

- Be a US citizen or permanent resident
- Acceptance to Rose-Hulman Institute of Technology. [Apply for admission.](#)
- Major in [Electrical or Computer Engineering at Rose-Hulman.](#)
- Demonstrate high academic qualification and professionalism
- Be eligible to receive federal financial aid and demonstrate an unmet need of at least $4,000 based on the Cost of Attendance (COA) minus the Estimated Family Contribution (EFC) as determined by the Free Application for Federal Student Aid (FAFSA).

**Activities**
Special support mechanisms will be developed for both scholarship recipients and current female and minority students. In preparation for students to apply for summer internships, they will be taught professional skills through the ROSE-BUD program, including: communication, teamwork and understanding ethics and professionalism. The students will also have the opportunity to interact with professionals and upper-classmen. Workshops and seminars designed around these topics will be held each academic year.

**Visit the link below to view yearly change in scholarship support**

[http://www.rose-hulman.edu/rosebud/apply.htm](http://www.rose-hulman.edu/rosebud/apply.htm)