

# Appendix A: Transfer Course Equivalencies

Effective dates: November 1, 2019 through October 31, 2022

|          | Rockland Community College                             |                                                  |    | SUNY Canton                                       |                                                      |     |
|----------|--------------------------------------------------------|--------------------------------------------------|----|---------------------------------------------------|------------------------------------------------------|-----|
|          | A.S. – Engineering Science: Aerospace/Mechanical Track |                                                  |    | B. Tech– Mechanical Engineering Technology (0235) |                                                      |     |
| Semester | Course #                                               | Course Name                                      | Cr | Course #                                          | Course Name                                          | Cr  |
| 1        | ENG 101 & SPE 101                                      | College Writing I & Fundamentals of Speech       | 6  | ENGL 101                                          | Composition and the Spoken Word (GER 10)             | 3   |
|          | ENR 105                                                | Introduction to Engineering                      | 3  | ENGS 101                                          | Introduction to Engineering                          | 2   |
|          | MAT 205                                                | Calculus III (course substitution)               | 4  | MATH 123                                          | Pre-Calculus (GER 1)                                 | 4   |
|          | PHY 105                                                | Engineering Physics I                            | 4  | PHYS 121/131 & PHYS 125/135                       | College/University Physics I & Physics Lab I (GER 2) | 4   |
|          |                                                        |                                                  |    | MECH 121                                          | Manufacturing Process I                              | 3   |
| Semester | Course #                                               | Course Name                                      | Cr | Course #                                          | Course Name                                          | Cr  |
| 2        | ENR 106                                                | Introduction to Engineering Design and Graphics  | 3  |                                                   | CAD Elective                                         | 2-3 |
|          | ENR 203                                                | Engineering Statics                              | 3  | CONS 172                                          | Technical Statics                                    | 3   |
|          | MAT 203                                                | Calculus I                                       | 4  | MATH 161                                          | Calculus I (GER 1)                                   | 4   |
|          |                                                        |                                                  |    | MECH 128                                          | Electromechanics                                     | 3   |
|          | PHY 106                                                | Engineering Physics II                           | 4  | PHYS 122/132 & PHYS 126/136                       | College/University Physics II & Physics Lab II       | 4   |
| Semester | Course #                                               | Course Name                                      | Cr | Course #                                          | Course Name                                          | Cr  |
| 3        | ENR 206                                                | Electric Circuits                                | 4  | ELEC 261                                          | Electricity                                          | 4   |
|          | ENR 107                                                | Intro to Programming for Engineers               | 3  | ENGS 102                                          | Programming for Engineers                            |     |
|          | MAT 204                                                | Calculus II                                      | 4  | MATH 162                                          | Calculus II                                          | 4   |
|          |                                                        |                                                  |    | MECH 241 & MECH 242                               | Fluid Mechanics & Fluid Power Lab                    | 4   |
|          | ENR 210                                                | Strength and Materials                           | 3  | CONS 272                                          | Strength of Materials for Technology                 | 3   |
| Semester | Course #                                               | Course Name                                      | Cr | Course #                                          | Course Name                                          | Cr  |
| 4        |                                                        |                                                  |    | MECH 220                                          | Engineering Materials                                | 3   |
|          |                                                        |                                                  |    | MECH 232                                          | Machine Design                                       | 3   |
|          | CHM 101                                                | Inorganic Chemistry I                            | 4  |                                                   | Program Elective                                     | 3   |
|          |                                                        |                                                  |    |                                                   | Program Elective                                     | 3   |
|          |                                                        | General Education Elective (GER 4, 5, 6, 8 or 9) | 3  |                                                   | GER Elective (3, 4, 5, 6, 7, 8, 9)                   | 3   |
| Semester | Course #                                               | Course Name                                      | Cr | Course #                                          | Course Name                                          | Cr  |
| 5        | MAT 206                                                | Differential Equations                           | 4  | MATH 364                                          | Differential Equations                               | 4   |
|          | ENR 204                                                | Engineering Dynamics (L/L course credit only)    | 3  | MECH 301                                          | Technical Dynamics                                   | 3   |
|          |                                                        |                                                  |    | MECH 342                                          | Thermodynamics                                       | 3   |
|          |                                                        |                                                  |    | SOET 377                                          | Engineering Ethics                                   | 1   |
|          | ENG 102                                                | College Writing II (GER 7)                       | 3  |                                                   | GER Elective (3, 4, 5, 6, 7, 8, 9)                   | 3   |
|          |                                                        |                                                  |    | U/L Program Elective                              | 3                                                    |     |
| Semester | Course #                                               | Course Name                                      | Cr | Course #                                          | Course Name                                          | Cr  |
| 6        |                                                        |                                                  |    | MATH 141                                          | Statistics                                           | 3   |
|          |                                                        |                                                  |    | MECH 343                                          | Heat Transfer                                        | 3   |
|          |                                                        |                                                  |    |                                                   | U/L Program Elective                                 | 3   |
|          |                                                        |                                                  |    |                                                   | U/L Program Elective                                 | 3   |
|          | MCS 101                                                | Introduction to Multicultural Studies (GER 3)    | 3  |                                                   | GER Elective (3, 4, 5, 6, 7, 8, 9)                   | 3   |
| Semester | Course #                                               | Course Name                                      | Cr | Course #                                          | Course Name                                          | Cr  |
| 7        |                                                        |                                                  |    | MECH 341                                          | Intermediate Fluid Mechanics                         | 3   |
|          |                                                        |                                                  |    | MECH 377                                          | Capstone Research and Proposal                       | 1   |
|          |                                                        |                                                  |    | SOET 361                                          | Project Management                                   | 3   |
|          |                                                        |                                                  |    |                                                   | U/L Program Elective                                 | 3   |
|          |                                                        |                                                  |    |                                                   | U/L Program Elective                                 | 3   |
|          |                                                        |                                                  |    | GER Elective (3, 4, 5, 6, 7, 8, 9)*               | 3                                                    |     |
| Semester | Course #                                               | Course Name                                      | Cr | Course #                                          | Course Name                                          | Cr  |
| 8        |                                                        |                                                  |    | MECH 477                                          | Capstone Project                                     | 3   |
|          |                                                        |                                                  |    | SOET 370                                          | Engineering Economics                                | 3   |
|          |                                                        |                                                  |    |                                                   | U/L Program Elective**                               | 3   |
|          |                                                        |                                                  |    |                                                   | U/L Program Elective**                               | 3   |
|          | Accepted Transfer Credit Total                         |                                                  | 65 | SUNY Program Credit Total                         |                                                      | 126 |

## *Appendix A: Transfer Course Equivalencies*

### **Additional Notes**

\* Fulfills writing intensive requirement

U/L = Upper Level Courses (300/400)

GER = General Education Requirement

NOTE: Mechanical Engineering Technology students must meet seven of ten General Education Requirements, 45 upper level credits.

Student Learning Outcomes can be found at [www.canton.edu/csoet/mech/](http://www.canton.edu/csoet/mech/).

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**STUDENT ELIGIBILITY:** Graduates of Associate of Science– Engineering Science: Aerospace/Mechanical Track program at Rockland Community College must possess a **minimum cumulative grade point average of 2.0 on a 4.0 scale**. SUNY Canton **assures acceptance for Rockland Community College students who have a cumulative GPA of 3.0 or better**. Students are encouraged to apply during their last semester at Rockland Community College.

### **Program Contact**

Dr. Lucas Craig, Curriculum Coordinator, Mechanical Engineering Technology

SUNY Canton

34 Cornell Drive, NN 105

Canton, New York 13617

(315)386-7384

[craigl@canton.edu](mailto:craigl@canton.edu)

## Appendix A: Transfer Course Equivalencies

### APPROVALS

Rockland Community College:



Dr. Michael A. Baston  
President

12/17/19

Date



Dr. Susan Deer  
Provost and Vice President of Academic Affairs and Student Services

12/17/19

Date

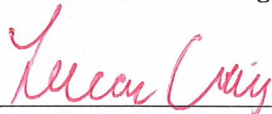
SUNY Canton:



Michael Newtown  
Dean, Canino School of Engineering Technology

11/5/19

Date



Dr. Lucas Craig  
Curriculum Coordinator, Mechanical Engineering  
Technology

11/11/19

Date



**Master Articulation Agreement Between  
State University of New York (SUNY) Canton  
and  
Rockland Community College**

**Effective date: November 1, 2014**

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This articulation agreement is intended to facilitate the transfer of graduates from **Rockland Community College** to SUNY Canton. The objectives, terms and conditions of this agreement are set forth as follows:

**OBJECTIVES**

1. To attract qualified students to Rockland Community College and SUNY Canton.
2. To facilitate upward educational and career mobility by increasing accessibility to baccalaureate education for qualified individuals.
3. To provide students with advisement in academic and career planning throughout their program of study.
4. To reduce unnecessary repetition of general education and curricular content by providing seamless articulation opportunities.
5. To facilitate communication and academic coordination between faculty, students, and administrators at each institution.

**ELIGIBILITY/ADMISSION REQUIREMENTS**

1. Students must complete the admission process at SUNY Canton.
2. Students must meet the academic requirements listed in the "*Terms of Agreement*".

**TERMS OF AGREEMENT**

Students who have completed an Associates program at Herkimer County Community College will be accepted into a baccalaureate program at SUNY Canton.

**STUDENT ELIGIBILITY:** Graduates of Herkimer County Community College must possess a **minimum cumulative grade point average of 2.0 on a 4.0 scale**. SUNY Canton **assures acceptance for Herkimer County Community College students who have a cumulative GPA of 2.5 or better**.<sup>1</sup> Students are encouraged to apply during their last semester at Herkimer County Community College.

**TRANSFER CREDIT:** A grade of C or better must be earned for each transfer credit of courses applicable to the Bachelor's Degree. (See *Appendix A* for list of specific college level courses.)

**DEGREE REQUIREMENTS:** SUNY Canton requires that **120 or more**<sup>1</sup> credits be completed in order to earn a Bachelor's Degree. To be eligible for graduation with a Bachelor's Degree, a minimum of **30** credits must be taken in residence at SUNY Canton. **15** credits must be taken in the major, or acceptable cognates as determined by the department at SUNY Canton. Students will be required to matriculate in accordance with the guidelines as specified in the policies of the academic catalog.

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<sup>1</sup> Exceptions may apply. Program-specific requirements are stated on the individual program's current course equivalency chart on file.



**2+2 Program Articulations:** The following SUNY Canton programs accept a corresponding Associate's degree as the first two years of the baccalaureate program. Specific requirements apply. Students are encouraged to apply during their last semester at Rockland Community College.

**Nursing** (Online program)

- Students must be able to provide proof of US Citizenship, legal residence or valid work visa.
- Proof of licensure as a Registered Nurse (RN). This must be submitted to the SUNY Canton Nursing Curriculum Coordinator by October 1 (for fall semester enrollment) or March 1 (for spring semester enrollment). Students who do not submit proof of licensure by the above listed date will be moved to non-matriculated status and withdrawn from the program at the end of the semester. (Students may reapply to the program once they supply proof of Registered Nurse License.)

**IMPLEMENTATION:** Students transferring under this agreement into SUNY Canton will, whenever possible, be provided with a projected outline of their individual requirements for the Bachelor's Degree.

**LOCATION:** SUNY Canton reserves the right to use classroom space at alternative locations and to offer all, or part, of this degree program online.

**FINANCIAL AID:** A student accepted into SUNY Canton under this agreement is eligible to participate in all financial aid, grants, and scholarship programs customarily open to transfer students.

**PROGRAM CHANGES:** If either SUNY Canton or Rockland Community College makes changes to their respective program(s), those changes will be communicated to the other college for review of the respective course equivalency chart.

**SUNY Canton Contact Information:**

Office of the Provost/VP of Academic Affairs  
Erin Voisin, Special Projects Coordinator to the Provost  
34 Cornell Drive  
Canton, NY 13617  
p 315.386.7838  
f 315.386.7945  
[articulations@canton.edu](mailto:articulations@canton.edu)  
[www.canton.edu](http://www.canton.edu)

**Rockland Community College Contact Information:**

Patricia Kobes, Assistant to the VP for Academic Affairs  
145 College Road  
Suffern, NY 10901  
p 845.574.4765  
[pkobes@sunyrockland.edu](mailto:pkobes@sunyrockland.edu)  
[www.sunyrockland.edu](http://www.sunyrockland.edu)



## APPROVALS

We, the undersigned, agree to the above conditions established for the articulation agreement between *Rockland Community College* and *SUNY Canton*.

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### Representatives of Rockland Community College:

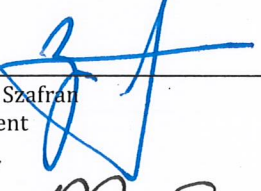
  
\_\_\_\_\_  
Dr. Cliff L. Wood  
President

11-4-14  
Date

  
\_\_\_\_\_  
Dr. Susan Deer  
Provost and Vice President of Academic Affairs and Student Services

11/3/14  
Date

### Representatives of SUNY Canton:

  
\_\_\_\_\_  
Dr. Zvi Szafran  
President

10-21-14  
Date

  
\_\_\_\_\_  
Karen Spellacy  
Interim Provost/VP of Academic Affairs

10-21-14  
Date