Transfer Articulation Agreement
Between the Department of Manufacturing and Mechanical Engineering Technology, College of Engineering Technology
B.S. in Mechanical Engineering Technology,
B.S. in Mechatronics Engineering Technology, and
B.S. in Robotics and Manufacturing Engineering Technology
and the Department of Engineering Studies, National Technical Institute for the Deaf
A.A.S. in Applied Mechanical Technology

Purpose

This articulation agreement is established between the NTID Department of Engineering Studies and the Department of Manufacturing and Mechanical Engineering Technology in the College of Engineering Technology (CET) to assist in facilitating timely student progress from the A.A.S. degree level into a B.S. program, thereby attracting qualified students to CET and encouraging academic cooperation and exchange of information between NTID and CET. Students enrolled in the A.A.S. in Applied Mechanical Technology will work toward admission into the B.S. in Mechanical Engineering Technology, B.S. in Mechatronics Engineering Technology, or the B.S. in Robotics and Manufacturing Engineering Technology by successfully completing freshman- and sophomore-level science, mathematics, and core engineering coursework required for the baccalaureate program and by taking any necessary foundational coursework to prepare them for such courses. Students will also take all necessary liberal arts and English coursework to satisfy the requirements of the Associate of Applied Science degree in Applied Mechanical Technology.

Student Qualifications for Transfer from the A.A.S. In Applied Mechanical Technology to the B.S. in Mechanical Engineering Technology, B.S. in Mechatronics Engineering Technology, or B.S. in Robotics and Manufacturing Engineering Technology

Qualified students will:

- Be a graduate of the NTID A.A.S. in Applied Mechanical Technology program.
- Be a student in good standing per RIT Policy D05.1.
- Have earned a cumulative GPA of at least 3.0 while in the A.A.S. in Applied Mechanical Technology program. Students who do not meet this requirement will be considered on a case-by-case basis with particular emphasis on grades earned in their technical science and mathematics coursework.

Terms of the Agreement

I. Admissions process

a. The process for admission to the B.S. in Mechanical Engineering Technology (MCET-BS), B.S. in Mechatronics Engineering Technology (MECA-BS), or B.S. in Robotics and Manufacturing Engineering Technology (RMET-BS) can begin as early as the student's final term in the A.A.S. in Applied Mechanical Technology (AMECHT-AAS).

i. These three programs are referred to collectively as "these three CET programs" for the remainder of this document.

b. The steps in the process will be:

i. Student indicates to the NTID A.A.S. in Applied Mechanical Technology program coordinator an interest in applying to enter any of these three CET programs.

ii. The A.A.S. program coordinator will review the student's academic qualifications based on items listed in the *"Student Qualifications for Transfer"* section indicated above.

iii. If the student meets the qualifications listed, the NTID program coordinator or department chair will contact the chairperson or coordinator of these three CET programs for review of the student's qualifications.

1. If necessary, the head will call a meeting with the student and the A.A.S. program coordinator to review the student's record and to discuss the B.S. program in which the student is interested in entering.

iv. Upon review of the student's qualifications, the chairperson of the CET Department of Manufacturing and Mechanical Engineering Technology will inform the student and the A.A.S. program coordinator of the tentative acceptance decision.

v. The A.A.S. program coordinator and the CET chairperson will complete an Intent to Enroll form and submit it to the NTID and RIT admissions offices for review and final approval.

1. If the Intent to Enroll form receives all required approvals, the NTID department chair will inform the student, the A.A.S. program coordinator, and the CET chairperson of the decision.

II. Year Level and Credit Transfer

a. Students who transfer from the A.A.S. in Applied Mechanical Technology will do so at the third-year level into one of these three CET programs, with the placement decision being made based on the requirements listed in the *"Student Qualifications for Transfer"* section above.

b. Upon transfer into the B.S. program, students will be responsible for completing all remaining degree requirements in order to earn the baccalaureate degree.

c. Credit earned toward the A.A.S. degree is indicated in the student's RIT academic history and will therefore automatically populate the appropriate section within the Academic Advisement Report (AAR) for the B.S. degree once the student has been admitted to the B.S. program. Students who have earned a C- or lower in any course taken toward the A.A.S. degree and being applied to the B.S. degree may be advised to retake the course as a condition of being admitted to the B.S. program.

III. Program and Course changes

a. The A.A.S. in Applied Mechanical Technology, B.S. in Mechanical Engineering Technology, B.S. in Mechatronics Engineering Technology, and B.S. in Robotics and Manufacturing Engineering Technology programs will communicate any changes to their respective curricula and make any changes to this document to ensure continuation of the articulation agreement.

IV. Time limits

a. This agreement will be formally reviewed every five years from the date of signing, or at the time of any major curriculum change.

V. Autonomy

a. The A.A.S. in Applied Mechanical Technology program will be free to admit qualified non-matriculated, NTID-supported students who apply to the program through the normal RIT freshman admissions process. If students are deemed "underprepared" then a recommendation should be made to NTID for admissions opportunities.

A.A.S. in Applied Mechanical Technology
Transfer of Courses to B.S. in Mechanical Engineering Technology, B.S. in Mechatronics Engineering Technology, and B.S. in Robotics and Manufacturing Engineering Technology

COURSES IN A.A.S. DEGREE				COURSES ACCEPTED TOWARD B.S. DEGREE		
Course Number	**Course Title (A.A.S. Degree Requirement)**	**SCH**		**Course Number**	**Course Title (B.S. Degree Requirement)**	**SCH**
Major Courses (including major-related coursework that satisfies general education and open electives requirements)						
NETS-101	Fundamentals of Engineering (Major)	3		MCET-101	Fundamentals of Engineering (Major)	3
NETS-110	Foundations of Materials (Major)	2		MCET-110	Foundations of Metals (Major)	2
NETS-111	Foundations of Materials Lab (Major)	1		MCET-111	Characterization of Metals Lab (Major)	1
NETS-120	Manufacturing Processes (Major)	3		RMET-120	Manufacturing Processes (Major)	3
NETS-150	Mechanical Design & Fabrication (Major)	3		MCET-150	Engineering Communication and Tolerancing (Major)	3
NETS-151	Mechanical Design & Fabrication Lab (Major)	1		RMET-105	Machine Tools Lab (Major)	1
MCET-220	Principles of Statics (Major)	3		MCET-220	Principles of Statics (Major)	3
MCET-221 or MECA-290	Strength of Materials (Major; req. for MCET-BS) Mechanics for Mechatronics (Major; req. for MECA-BS and RMET-BS)	3		MCET-221 or MECA-290	Strength of Materials (Major – MCET-BS) Mechanics for Mechatronics (Major – MECA-BS and RMET-BS)	3
EEET-115	Circuits I (Major)	3		EEET-115	Circuits I (Major)	3
EEET-116	Circuits I Lab (Major)	1		EEET-116	Circuits I Lab (Major)	1
MATH-211	Elements of Multivariable Calculus and Differential Equations (Major)	3		MATH-211	Elements of Multivariable Calculus and Differential Equations (Prescribed General Education Elective)	3
Select One:	• MCET-210 Foundations of Non-Metallic Materials and MCET-211 Characterization of Non-Metallic Materials (req. for MCET-BS and RMET-BS); or • CPET-121 Computational Problem Solving I (req. for MECA-BS and RMET-BS); or • CPET-133 Introduction to Digital and Microcontroller Systems (req. for MECA-BS and RMET-BS; program elective for MCET-BS)	3		Select One:	• MCET-210 Foundations of Non-Metallic Materials and MCET-211 Characterization of Non-Metallic Materials (Major – MCET-BS and RMET-BS; Open Elective – MECA-BS); or • CPET-121 Computational Problem Solving I (Major – MECA-BS and RMET-BS; Open Elective – MCET-BS); or • CPET-133 Introduction to Digital and Microcontroller Systems (Major – MECA-BS and RMET-BS; Program Elective – MCET-BS)	3
	Program Elective* (Major)	3			General Education Elective* or Open Elective*	3
ENGT-095	Career Seminar (Major)	0		ENGT-095	Career Seminar	0
General Education Courses						
UWRT-150	FYW: Writing Seminar (General Education – First Year Writing)	3		UWRT-150	FYW: Writing Seminar (General Education - First Year Writing)	3
	General Education - Ethical Perspective	3			General Education - Ethical Perspective	3
	General Education - Artistic Perspective	3			General Education - Artistic Perspective	3
	General Education - Global Perspective	3			General Education - Global Perspective	3
	General Education - Social Perspective	3			General Education - Social Perspective	3
PHYS-111	College Physics I (General Education – Scientific Principles Perspective)	4		PHYS-111	College Physics I (General Education – Natural Science Inquiry Perspective)	4

PHYS-112	College Physics II (General Education Elective)	4		PHYS-112	College Physics II (Prescribed General Education Elective)	4
CHMG-131	General Chemistry for Engineers (General Education Elective)	3		CHMG-131	General Chemistry for Engineers (General Education – Scientific Principles Perspective)	3
MATH-171	Calculus A (General Education Elective)	3		MATH-171	Calculus A (General Education – Mathematical Perspective A)	3
MATH-172	Calculus B (General Education Elective)	3		MATH-172	Calculus B (General Education – Mathematical Perspective B)	3
Other Courses						
NCAR-010	Freshman Seminar	0		YOPS-010	RIT 365: RIT Connections	0
	Wellness course	0			Wellness course	0
					Total Transfer Credits	64
					Percent of A.A.S. Credits Transferred	100%

* The Program Elective is typically based on science, mathematics, or English placement. Students may select Critical Reading & Writing (UWRT-100), Precalculus (MATH-111), Accelerated Algebra II (NMTH-272), Advanced Mathematics (NMTH-275), Concepts of College Physics (NSCI-270), or another course as determined by the department chairperson. Students who need to take precalculus can take (NMTH-272 Accelerated Algebra II or NMTH-275 Advanced Mathematics) and NMTH-220 Trigonometry to satisfy the MATH-171 Calculus A pre-requisite.

S. Manian Ramkumar
Dean
College of Engineering Technology

Dated: _____

Gerard J. Buckley, President
RIT Vice President and Dean
National Technical Institute for the Deaf

Dated: 3/1/24

Beth Carle
Acting Chair
Department of Manufacturing and Mechanical Engineering Technology
College of Engineering Technology

Dated: 2/28/2024

Gary Behm
Associate Vice President for Academic Affairs
National Technical Institute for the Deaf

Dated: 3/1/24

Karen Beiter
Interim Chair
Dept. of Engineering Studies
National Technical Institute for the Deaf

Dated: _2/28/2024__