

Articulation Agreement for Advanced Credit
Roxbury Community College
and
Benjamin Franklin Institute of Technology
Area of Articulation: Electrical Engineering

Benjamin Franklin Institute of Technology recognizes the Bachelor of Science in Electrical Engineering degree program as a need in the region and the College desires to support transfer into the program for graduates of quality associate degree programs in Engineering, such as that offered by **Roxbury Community College**. In turn, Roxbury Community College recognizes that entry-level positions are available in a wide range of disciplines in the Engineering Industry. Accordingly, Roxbury Community College desires to develop articulation agreements with four-year colleges and universities to serve and facilitate transfer opportunities for its graduates who wish to pursue a four-year degree in order to enter, or advance in, this employment market.

Given the potential of the labor market and the similar missions of the two colleges, Benjamin Franklin Institute of Technology and Roxbury Community College agree to enter into an articulation agreement to support the above efforts. Both institutions are regionally accredited with long histories in higher education. This agreement will maintain the opportunities for continuation and/or advancement in Electrical Engineering accessible to a wider student population in the New England region.

SUMMARY OF AGREEMENT

This agreement will provide graduates whom have earned an Associate in Science in Engineering from Roxbury Community College with an opportunity to complete the Bachelor of Science in Electrical Engineering at Benjamin Franklin Institute of Technology within the equivalent of five (5) semester terms of full-time study in the program that blends professional studies with the liberal arts.

TERMS AND CONDITIONS

Administrative Matters:

At least one academic, administrator, or faculty member from each institution will be appointed to act as agents for the implementation of this agreement, to serve as primary contact persons, and to communicate any changes to this agreement to the respective faculty members, advisors, admissions counselors, and others to whom the information is pertinent. Responsibility for oversight of this agreement rests with the

Dean of Academic Affairs or designee at Benjamin Franklin Institute of Technology and the Dean of STEM or designee at Roxbury Community College.

Both parties agree to communicate annually regarding any changes in their respective programs that may affect this agreement.

Benjamin Franklin Institute of Technology and Roxbury Community College agree to collaborate in the areas of publicity, marketing, recruitment and transfer efforts as follows:

- All announcements, publicity, marketing, and recruitment activities by either institution relative to the articulation agreement will be done so in a manner approved by both institutions.
- To facilitate both student services and program planning, both institutions will develop a process that enables the identification of students who plan to transfer under this agreement.
- Faculty and staff at both institutions will share information in this agreement with interested and qualified students; additionally, both institutions will provide counseling or advising to students and prospective students.

Admissions and Enrollment Guidelines:

All Roxbury Community College graduates of the Engineering Associate in Science program must complete the Benjamin Franklin Institute of Technology admissions process, including filling out an application for admission, as well as providing official transcripts from all post-secondary institutions attended. An interview, letter of recommendation, and any other documents that may be required based on performance on college transcript.

Benjamin Franklin Institute of Technology will accept the completion of an Associate in Science in Engineering from Roxbury Community College as the equivalent of the first two years of required coursework of a Bachelor of Science in Electrical Engineering—from Benjamin Franklin Institute of Technology. Credit will be awarded for the completion of the first two years of required coursework for the Electrical Engineering degree provided the student earns an average G.P.A. of 2.0, or higher overall, and an average of 2.0, or higher, in all Math related courses.

Additional Guidelines

Roxbury Community College students are expected to have completed the following courses prior to starting the program at BFIT; Calculus I, II, III, Statistics, Physics I and II, a science course (Chemistry, Biology, or Environmental Science), Circuits I, and an introduction to computer programming course. Additionally, students who are interested in expediting the path to graduation may request to take Circuits I and II at BFIT while still attending RCC free of charge.

Degree Offered: Bachelor of Science in Electrical Engineering

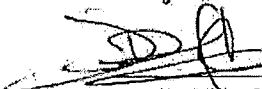
Curriculum of Study Summary: See Attachment

TERMS, AMENDMENTS, AND TERMINATION

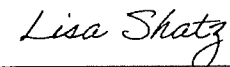
This agreement will be valid for a period of three (3) academic years, effective Fall 2019, and will be reviewed for renewal during the course of the 2020/21 academic year with the mutual consent of the above mentioned parties. This agreement may be terminated by either party for any reason upon written notice to the other with at least one semester notice prior to the effective date of termination or, if a violation of the agreement occurs, may be terminated immediately upon written notice. This agreement is not assignable and may not be amended, revised, or modified, except in writing executed by all parties. If the agreement is terminated for any reason prior to the end of the effective period, Roxbury Community College students who were previously accepted into or enrolled in the articulated program prior to the termination of this agreement will be given three (3) additional years to enroll in, or complete, the Bachelor of Science in Electrical Engineering program at Benjamin Franklin Institute of Technology under this agreement.

APPROVED:

Benjamin Franklin Institute of Technology

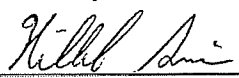
 9/20/19

Dr. Dennis Camacho Date
Dean of Academic Affairs

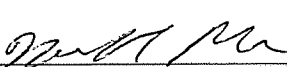
 9/21/19

Dr. Lisa Shatz Date
Department Chair of Electrical Engineering

Roxbury Community College

 9/23/19

Dr. Hillel Sims Date
Dean of STEM

 9/30/2019

Dr. Javad Maulai Date
Professor of Engineering

Curriculum of Study Summary

Roxbury Community College				Benjamin Franklin Institute of Technology			
	Course Number	Course Title	Credits		Course Number	Course Title	Credits
General Education & Elective				Technical Courses			
	ENG101	College Composition I	3		ECE225	Linear Systems with Differential Equations	4
	ENG102	College Composition II	3		ECE306	Power Systems I	4
	SSI	Social Science Elective	3		ECE311	Embedded Systems	4
	HUM/ENG/LAN	Humanities, English or Language Elective	3		ENS311	Engineering Technical Communications	4
	HUM/ENG/LAN	Humanities, English or Language Elective	3		ECE307	Power Systems II	4
	EGR121	Engineering Design	3		ECE403	Electromagnetic Theory	4
	SSI	Social Science Electives	3		ECE430	Digital Signal Processing	4
Concentration Courses					ECE414	Engineering Senior Project I	1
	EGR120	Engineering Computations I	3		ECE335	Control Systems	4
	MAT120	Statistics	3		ECE415	Engineering Senior Project II	4
	SSI	Social Science Elective	3		ECE410	Communications Systems	4
	MAT103	Pre-Calculus	4		ECE	Elective	4
	MAT201	Calculus I	4	General Education Elective			
	MAT203	Calculus II	4		BS310	Project Management	3
	MAT205	Calculus III	4		MA279	Statistics for Engineering Lab	1
	SCI143	Principles of Physics I	4		SS265	Exploring Ethical Issues	3
	SCI144	Principles of Physics II	4		SK200	Career Seminar	1
Career Electives				Additional Courses			
	SCI123	Principles of Chemistry I	4		ECE205	Circuit Theory II	4
					ECE101	Digital Electronics	4
	All students must take a Circuits I course in the summer prior to fall enrollment at BFIT.				ECE206	Solid State Devices	4
					ECE105L	Circuit Theory I Lab	1
Total Credits			58		Total Credits		66