



## MEMORANDUM OF UNDERSTANDING

### Associate in Science in Industrial Automation and Robotics (LRCC) and Bachelor of Science in Robotics (PSU) BLOCK TRANSFER AGREEMENT

Lakes Region Community College (LRCC) and Plymouth State University (PSU) recognize the value of partnering to provide students seeking higher education a variety of accessible pathways toward achieving their goals.

The Program Coordinator of Industrial Automation and Robotics (LRCC), a program faculty member (PSU) and the Assistant Director of Transfer Operations (PSU) have reviewed the courses from LRCC and have determined their applicability to Plymouth State University's academic requirements. The Provost at Plymouth State University has reviewed and approved this application of transfer credit.

PSU will honor the credits earned from an Associate Degree in Industrial Automation and Robotics at LRCC and apply them to PSU's Bachelor of Science in Robotics. This program provides qualified students entry to PSU as a Junior from LRCC in a supportive and transparent pathway that will strengthen accessibility to higher education. In all of its policies and procedures the program, will aim toward simplicity, efficiency, and affordability for participating students.

It is recognized that this program continues the missions of LRCC and PSU in recognition of the mutual benefit we bring to New Hampshire students and their families. As such, it is understood that the provisions of this agreement will continuously improve and evolve under the guidance and oversight of a LRCC/PSU.

#### **LRCC'S RESPONSIBILITIES:**

1. A single application (with only one, if any, fee) completed from LRCC.
2. Bi-annual review, which will take place in fall semester, of the program which will examine the value of the program to each institution. This includes but is not limited to, assessment of number of students participating, effectiveness of policies and procedures of agreement, and effectiveness of the program creating successful students. Review will be conducted by an academic representative from each institution, and/or the designated program coordinator.

3. Updates will be completed by Plymouth State's Assistant Director of Transfer Operations and the designated program coordinators at LRCC and PSU. These three individuals will make up the steering committee.
4. LRCC will promote this transfer agreement with all students earning an Associate of Science in Industrial Automation and Robotics.
5. Comprehensive academic advising to make sure students know the terms and conditions of the program and that they start and stay on track.
6. The program requires completion of an Associate Degree in Industrial Automation and Robotics at LRCC .
7. Sharing and exchange of information where appropriate with metrics to measure success.

#### **PSU'S RESPONSIBILITIES:**

1. Bi-annual review, which will take place in the fall semester, of the program which will examine the value of the program to each institution. This includes but is not limited to, assessment of number of students participating, effectiveness of policies and procedures of agreement, and effectiveness of the program creating successful students. Review will be conducted by an academic representative from each institution, and/or the designated program coordinator.
2. Updates will be completed by Plymouth State's Assistant Director of Transfer Operations and the designated program coordinators at PSU and LRCC. These three individuals will make up the steering committee.
3. PSU will promote this transfer agreement with all prospective students during recruitment travel who demonstrate interest in beginning their collegiate education at a community college.
4. Comprehensive academic advising to make sure students know the terms and conditions of the program and that they start and stay on track.
5. A communication plan to keep students informed on important matters from the point of inquiry through PSU enrollment.
6. Sharing and exchange of information where appropriate with metrics to measure success.

This Transfer Agreement will officially begin Spring 2024 and will remain in effect until a written notification is sent from either party to the other party. At the time the written notification is sent, both institutions will indicate how students currently in the pipeline will be handled. This program will be available for entry immediately and will be available to students enrolled at LRCC.

#### **BLOCK TRANSFER COURSE DETAILS:**

LRCC Industrial Automation and Robotics Block Transfer students will transfer 66 credits to PSU as follows:

- ENGL100 English Composition (4)
- MATH211 College Algebra (4)
- CIS136 Fundamentals of Information Technology (3)
- CIS248 Introduction to Networks (3)

- ESNT120 College Essentials (1)
- MATH216 Statistics (4)
- IARO116 Fabrication Technologies (4)
- IARO126 Introduction to Electronics (4)
- CIS140 Introduction to Programming (4)
- MATH235 Pre-Calculus (4)
- CIS215 Intermediate Programming (4)
- IARO236 Introduction to Microcontrollers (4)
- Science Elective (3)
- MATH270 Calculus I (4)
- CIS275 Object-Oriented Programming C++ (3)
- IARO276 Industrial Robotics and Automation (4)
- Social Science Elective (3)
- Humanities/Fine Arts/Foreign Language Elective (3)

LRCC Industrial Automation and Robotics Block transfer students will complete 57 credits at PSU:

Course	Credits	Offered
MA2450 Mathematical Reasoning	4	Falls
CS3420 Introduction to Cybersecurity	3	Falls
CS3890 Engineering Design	3	Spring
Foreign Language	3-4	Falls and Springs
CS4520 Cyber Ethics	3	Falls
Choose one: CS3902 Robots in Science and Scientific Inquiry CS3905 Robotics in Aviation and Spaceflight CS3970 Current Events, Topics, and Issues in Robotics	4	Even Springs Odd Falls Even Falls
CS4790 Robotics Capstone	4	Falls and Springs
Major electives (3000/4000 level in BI, BU, BUA, BUS, CH, CS, DAT, EC, ECN, ENT, FIN, GE, LAW, MGM, MKT, MT, PH, TH)	9-12	Falls and Springs
Free Electives	20-24	Falls and Springs

Participating colleges include:

Elman Bashar

11/02/2023

A M A Elman Bashar  
Program Coordinator, Computer Science & Technology  
Plymouth State University

Date

Carlene Rose

11/2/2023

Carlene Rose  
Interim Vice President of Academic & Student Affairs

Date

[Signature]

11/16/2023

Nathaniel Bowditch, Ph.D.  
Provost and Vice President for Academic Affairs

Date

*Authorized Signatory:*

Marcy L. Claybaugh

11/17/2023

VP for Finance and Administration  
Plymouth State University

Date