

**Exhibit I**  
**Program Level Agreement**  
**Bachelor’s to Master’s Pathway**  
**B.Sc. in Physics to M.Sc in Intelligent Robotics Systems**

This Program Level Agreement is intended to amend and be appended to, and operates in conjunction with the institutional MOU between KSU and Oglethorpe University dated May 20, 2026.

**Program Content Point of Contact:**

|  |   |
|--|---|
| Kennesaw State University<br>Ying Wang<br>MSc IRS Program Coordinator<br>msrobotics@kennesaw.edu | Oglethorpe University<br>Mariel Meier<br>Chair of the Division of Natural Sciences<br>mmeier@oglethorpe.edu |
|--|---|

**Pathway Admission / Eligibility Requirements**

1. The student may apply in the spring semester of the junior year or after completing 80 hours at the Partner Institution.
2. Undergraduate GPA of 3.25
3. The student may begin to take courses at KSU upon completion of 96 hours at the Partner Institution.
4. The student must be in good academic standing as defined by the Partner Institution.

**Pre-requisite Requirements**

MAT-131 Calculus I, MAT-132 Calculus II, and PHY-201 College Physics must be completed at Oglethorpe University prior to taking courses as part of this pathway.

**Transfer Articulation**

The following master’s level courses taken at KSU have been deemed as appropriate for reverse transfer to complete the B.Sc. in Physics undergraduate degree at Oglethorpe University:

| <b>Kennesaw State University Course</b>  | <b>Oglethorpe University</b>  |
|--|---|
| MTRE 6100 Advanced Robot Programming (offered fall and spring)                         | Satisfies additional PHY/CSC (4 credit hour) elective course requirement for the General Physics and Computational Physics tracks |
| Choose two of the following:   | 6 hours of General Elective Hours   |
| MTRE 6300 Robot Simulation, Communications, and ROS (fall)                             |   |
| MTRE 6740 Soft Robotics (fall)   |   |
| MTRE 6750 Ethics in Robotics: The Ethical and Social Implications of Robotics (spring) |   |

**Sample Plan of Study:**

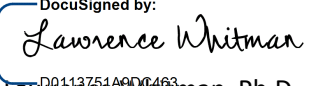
In year 3 of B.Sc in STEM at OU students should apply to the Bachelors to Master’s Pathway Program by the application deadline of July 1 or November 1 to begin taking KSU courses in Fall or Spring Semester of their senior year.

Plan of Study – Based on full-time graduate credit hours once admitted to the MS program.

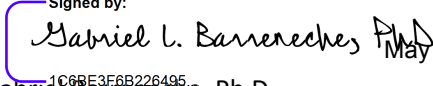
| <b>Pathway Program</b> |            |           |
|------------------------|------------|-----------|
| <b>Year</b>            | <b>KSU</b> | <b>OU</b> |
|                        |            |           |

|  |   |   |
|--|---|---|
| Year 3 Summer (Junior)                     | Apply to Pathway Program by July 1 for Fall   | Courses as needed to complete degree            |
| Year 4 Fall (Senior)<br>3-6 Credit Hours   | MTRE 6100 – Advanced Robotic Programming and/or<br>MTRE 6300 Robot Simulation, Communications, and ROS  | Courses as needed to complete degree            |
| Year 4 Spring (Senior)<br>3-6 Credit Hours | MTRE 6750 – Ethics in Robotics and/or<br>MTRE 6100 – Advanced Robotic Programming (If not already taken)  | Courses as needed to complete degree            |
| Year 4 Summer<br>9 Credit Hours Completed  | Apply for Graduate Admission to the MS in Intelligent Robotic Systems by July 1 for Fall, November 1 for Spring   | Transfer KSU coursework back to OU to graduate. |
| <b>Admission into the MS Program</b>       |   |   |
| Year 5 Fall                                | Take 9 Credit Hours from the following: <ul style="list-style-type: none"> <li>• MTRE 6300 – Robot Simulation, Communications, and ROS (If not already taken)</li> <li>• MTRE 6740 – Soft Robotics (If not already taken)</li> <li>• CS 7267 – Machine Learning</li> <li>• CS 7375 – Artificial Intelligence (Elective - Only Take 1 Elective)</li> </ul>   |   |
| Year 5 Spring                              | Take 6 Credit Hours from the following: <ul style="list-style-type: none"> <li>• CS 7367 – Machine Vision</li> <li>• MTRE 6400 - Perception, Navigation, and Path Planning of Mobile Robots</li> <li>• MTRE 6720 - Digital Manufacturing and Robotic Automation</li> <li>• MTRE 6800 – Master’s Project (Elective - Only Take 1 Elective)</li> <li>• MTRE 6750 Ethics in Robotics: The Ethical and Social Implications of Robotics (If no already taken)</li> </ul> |   |
| Year 5 Summer                              | Take 6 credit hours from the following: <ul style="list-style-type: none"> <li>• MTRE 6200 – Modeling and Control of Robotic Manipulators</li> <li>• MTRE 6710 – Manipulation of 3D Point Cloud Data (Elective - Only Take 1 Elective)</li> </ul>   |   |

By signing, the signatory affirms participation by their institution in this MOU and Transfer Articulation Agreement based on the terms and conditions identified above.

DocuSigned by:  
  
 Lawrence Whitman, Ph.D.  
 Dean, Southern Polytechnic College of Engineering and Engineering Technology  
 Kennesaw State University  
 lwhitma5@kennesaw.edu

May 26, 2026

Signed by:  
  
 Gabriel Barreneche, Ph.D.  
 Provost and Vice President for Academic Affairs  
 Oglethorpe University  
 gbarreneche@oglethorpe.edu

May 20, 2026