

**Exhibit L**  
**Program Level Agreements**  
**Bachelors to Master’s Pathway**  
**B.Sc. in Physics to M.Sc in Mechanical Engineering (MSME)**

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 Dal Hyung Kim MSc ME Program Coordinator dkim97@kennesaw.edu	Oglethorpe University Mariel Meier Chair of the Division of Natural Sciences mmeier@oglethorpe.edu
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**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 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 GGC.

Kennesaw State University Course	Oglethorpe University
ENGR 6120: Applied Engineering Mathematics	Satisfies additional CSC (4 credit hour) elective course requirement for the Computational Physics track
<b>Choose two of the following:</b>	
ME 6220: Advanced Solid Mechanics	Satisfies additional PHY (4 credit hour) elective course requirement for the General Physics track or 3 hours of general elective credit
ME 6230: Advanced Engineering Thermodynamics	Satisfies additional PHY (4 credit hour) elective course requirement for the General Physics track or 3 hours of general elective credit
ME 6250: Advanced Dynamics and Vibrations	Satisfies additional PHY (4 credit hour) elective course requirement for the General Physics track or 3 hours of general elective credit

**Sample Plan of Study for B.Sc. in Physics to Master of Science Degree in Mechanical Engineering**

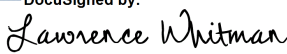
In year 3 of B.Sc in STEM at OU students should apply to the Bachelors to Master’s Pathway Program by the application deadline of July 1 or November 1 to begin taking KSU courses in Fall or Spring Semester of their senior year.

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

Pathway Program		
Year	KSU	OU

Year 3 Summer (Junior)	Apply to Pathway Program by July 1 for Fall	Courses as needed to complete degree
Year 4 Fall (Senior) 3-6 Credit Hours	ENGR 6120: Applied Engineering Mathematics and/or ME 6250: Advanced Dynamics and Vibrations	Courses as needed to complete degree
Year 4 Spring (Senior) 3-6 Credit Hours	ENGR 6120: Applied Engineering Mathematics (if not taken in fall) and/or ME 6220: Advanced Solid Mechanics ME 6230: Advanced Engineering Thermodynamics	Courses as needed to complete degree
Year 4 Summer 9 Credit Hours Completed	Apply for Graduate Admission to the MS in Mechanical Engineering 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: ME 6250: Advanced Dynamics and Vibrations (If not already taken) ME 6210: Advanced Manufacturing ME 6260: Advanced Engineering Heat Transfer ME 6270: Advanced Fluid Mechanics and Computational Fluid Dynamics ME 6710: Nanoscale Modeling SYE 6005: Introduction to Systems Engineering	
Year 5 Spring	Take 9 Credit Hours from the following: ME 6220: Advanced Solid Mechanics (If not already taken) ME 6230: Advanced Engineering Thermodynamics (If not already taken) ME 6290: Advanced System Modeling and Control ME 6302: Finite Element Applications EM 6602: Total Quality SYE 6005: Introduction to Systems Engineering. SYE 6010: Project Management Processes	
Year 5 Summer	Take 3 credit hours from the following: Any ME-6000-level courses (ME-6000-level summer offerings vary based on instructor availability) EM 6602: Total Quality	

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:  
  
 May 26, 2026  
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 Lawrence Whitman, Ph.D.  
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 Kennesaw State University  
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Signed by:  
  
 May 20, 2026  
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 Gabriel Barreneche, Ph.D.  
 Provost and Vice President for Academic Affairs  
 Oglethorpe University  
 gbarreneche@oglethorpe.edu