

Articulation Agreement Template is provided by the Maryland Higher Education Commission (MHEC) and is a resource for institutions. This template is not legal advice. Institutions should consult their own legal counsel regarding articulation agreements and other agreements, contracts, or institutional policies. Please provide a copy of all institutional articulation agreements to MHEC.

**ACADEMIC PROGRAM ARTICULATION AGREEMENT BETWEEN  
COLLEGE OF SOUTHERN MARYLAND  
AND  
FROSTBURG STATE UNIVERSITY REGARDING TRANSFER FROM ASSOCIATE  
OF SCIENCE IN ENGINEERING TO BACHELOR OF SCIENCE IN ENGINEERING**

This Academic Program Articulation Agreement (“Agreement”) is entered into by and between College of Southern Maryland (the “Sending Institution”) and Frostburg State University (the “Receiving Institution”) (collectively, the “Institutions”) to facilitate the transfer of academic credits from Associate of Science in Engineering for the completion of Bachelor of Science in Engineering (the “Program(s)").

**A. Qualifying Students**

This Agreement pertains to the transfer of “Qualifying Students”, *i.e.*, those students who:

1. Have successfully completed the program at the Sending Institution;
2. Are enrolled in the Sending Institution, in good standing; and
3. Are accepted for admission to the Receiving Institution.

**B. Responsibilities of the Institutions**

The Institutions agree to implement the transfer of Qualifying Students in accordance with applicable law and the following requirements and protocols:

1. A Qualifying Student may transfer into from the Transferring Institution into the Receiving Institution for the completion of the Program.
2. Courses that the Receiving School will accept credits for towards completion of the Program include:

SEMESTER 1						
COLLEGE OF SOUTHERN MARYLAND			Receiving Institution Comparable Course			
Course Number	Course Name	Credits	Course Number	Course Name	Credits	Applied to*
ENG-1010	Composition & Rhetoric (E)	3	ENGL-101	First-Year Composition	3	General Ed.
EGR-1100	Introduction to Engineering	3	ENES-100	Introduction to Engineering Design	3	Major
MTH-1200	Calculus I & Analytic Geometry (M)	4	MATH-236	Calculus I	4	Gen. Ed.
	Arts General Education (A)	3		The Fine and Performing Arts	3	Gen. Ed.
CHE-1350	Chemistry for Engineers (S)	3	CHEM-135	Chemistry for Engineers	3	Gen. Ed.

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SEMESTER 2						
COLLEGE OF SOUTHERN MARYLAND			Receiving Institution Comparable Course			
Course Number	Course Name	Credits	Course Number	Course Name	Credits	Applied to*
EGR-1210	Statics	3	ENES-102	Statistics	3	Major
MTH-1210	Calculus II (M)	4	MATH-237	Calculus II	4	Gen. Ed.
PHY-1310	Calculus-Based Physics I with Lab (S)	4	PHYS-261	Principles of Physics I	4	Gen. Ed.
Humanities General Education (H)		3	The Humanities		3	Gen. Ed.

SEMESTER 3						
COLLEGE OF SOUTHERN MARYLAND			Receiving Institution Comparable Course			
Course Number	Course Name	Credits	Course Number	Course Name	Credits	Applied to*
MTH-2200	Calculus III	4	MATH-238	Calculus III	4	Major
MTH-2210	Differential Equations	4	MATH-432	Differential Equations	3	Major
PHY-2300	Calculus-Based Physics II with Lab (S)	4	PHYS-262	Principles of Physics II	4	Gen. Ed. (Colloquia)
CSC-2020	Computing Fundamentals for Engineers (Elective)	3	ENME-271	Numerical Methods in Engineering	3	Major

SEMESTER 4						
COLLEGE OF SOUTHERN MARYLAND			Receiving Institution Comparable Course			
Course Number	Course Name	Credits	Course Number	Course Name	Credits	Applied to*
PHY-2320	Calculus-Based Physics III with Lab	4	PHYS-263	Principles of Physics III	4	Major
EGR-2720	Introduction to CAD	2	ENME-272	Intro. To Computer-Aided Design	2	Major
Technical Electives (see below)		Varies				
Social/Behavioral Science General Education (B)		3	The Social Sciences		3	Gen. Ed.
Social/Behavioral Science General Education with Cultural and Global Awareness (B)		3	The Social Sciences		3	Gen. Ed.

Technical Electives for Materials Engineering

COLLEGE OF SOUTHERN MARYLAND			Receiving Institution Comparable Course			
Course Number	Course Name	Credits	Course Number	Course Name	Credits	Applied to*
EGR-2200	Mechanics of Materials	3	ENES-220	Mechanics of Materials	3	Major

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EGR-2210	Dynamics	3	ENES-221	Dynamics	3	Major
EGR-2320	Thermodynamics	3	ENES-232	Thermodynamics	3	Major
Total Credits		9				

Technical Electives for Electrical Engineering

COLLEGE OF SOUTHERN MARYLAND			Receiving Institution Comparable Course			
Course Number	Course Name	Credits	Course Number	Course Name	Credits	Applied to*
EGR-2310/L	Circuit Analysis and Circuit Analysis Lab	4	ENEE-204 and 206	Basic Circuit Theory and Fundamental Electric and Digital Circuit Lab	4	Major
EGR-2440	Digital Logic Circuit Design	3	ENEE-244	Digital Logic Design	3	Major
EGR-2222	Elements of Discrete Signal Analysis with MATLAB	4	ENEE-322 and ENES-195	Signal and System Theory and 1 elective credit	4	Major
Total Credits		11				

Additional Coursework at Frostburg State University for Materials Engineering:

SEMESTER 5			SEMESTER 6		
ENME-331	Fluid Mechanics	3	ENME-332	Transfer Processes	3
ENME-350	Electronics and Instrumentation I	3	ENME-351	Electronics and Instrumentation II	3
Advanced Writing		3	ENME-382	Engineering Materials & Manufacturing Processes	3
The Humanities***		3	ENES-401	Fundamentals of Energy Engineering	3
Credits needed to equal 120 credits			Credits needed to equal 120 credits		
Total		12	Total		12

SEMESTER 7			SEMESTER 8		
ENME-405	Fundamentals of Materials Engineering	4	ENME-410	Capstone Design Project for Materials Engineering	3
ENME-425	Microfabrication	3	ENME-481	Project Development in Materials	3
Materials Engineering Elective (select from pre-approved list)		3	Materials Engineering Elective (select from pre-approved list)		3

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Identity and Difference	3	Credits needed to equal 120 credits	
Credits needed to equal 120 credits			
Total	13	Total	9

\*\*\*Students who wish to complete the Materials Engineering coursework at Cecil College must take an additional Humanities course at the College of Southern Maryland before transferring.

Additional Coursework at Frostburg State University for Electrical Engineering:

SEMESTER 5			SEMESTER 6		
ENEE-303	Analog and Digital Electronics	3	ENES-401	Fundamentals of Energy Engineering	3
ENEE-307	Electronic Circuits Design Laboratory	2	ENEE-445	Introduction to Communication Systems	4
ENEE-350	Computer Organization	4	ENEE-475	Power Electronics	3
ENEE-380	Electromagnetic Theory	3	Advanced Writing		3
The Humanities***		3	Credits needed to equal 120 credits		
Credits needed to equal 120 credits					
Total		15	Total		13

SEMESTER 7			SEMESTER 8		
ENEE-439	Topics in Signal Processing	1-3	ENEE-408	Capstone Design Project for Electrical Engineers	3
ENEE-481	Project Development in Electrical Engineering	3	ENEE-436	Introduction to Digital Signal Processing	3
Electrical Engineering Elective (select from pre-approved list)		3	Materials Engineering Elective (select from pre-approved list)		3
Identity and Difference		3			
Credits needed to equal 120 credits					
Total		10-12	Total		9

\*\*\*Students who wish to complete the Electrical Engineering coursework at the Arundel Mills location must take an additional Humanities course at the College of Southern Maryland before transferring.

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3. [Insert any additional pertinent provisions regarding the transfer of credits, e.g., residency requirements at the Receiving Institution.]
4. The Receiving Institution will share a list of graduates each semester with the Sending Institution. A representative from the Sending Institution will serve as the point of contact for this and will be required to complete a FERPA release form.
5. The Receiving Institution shall designate, and shall provide to the Sending Institution, the contact information for a staff person at the Receiving Institution who is responsible for the oversight of the transfer of Qualifying Students. The Sending Institution shall designate, and shall provide to the Receiving Institution, the contact information for a staff person at the Sending Institution who is responsible for the oversight of the transfer of Qualifying Students.

	Sending Institution	Receiving Institution
Name of staff person responsible for oversight	Byron Brezina	Jamil Abdo
Title of staff person	Program Coordinator	Chair of Physics and Engineering
Email address	<a href="mailto:btbrezina@csmd.edu">btbrezina@csmd.edu</a>	<a href="mailto:jabdo@frostburg.edu">jabdo@frostburg.edu</a>
Telephone Number	301-539-4749	301-687-4298

Should the staff person or position change, the institution will promptly provide new contact information to the partner institution and inform the Maryland Higher Education Commission of the change.

Additional contact information:

	Sending Institution	Receiving Institution
Name of person	Jacqui Rogers-Frere	Natalie Wagoner
Title of person	Assistant Director, Registrar's Office	Director of Admissions
Email address	<a href="mailto:jgrogers@csmd.edu">jgrogers@csmd.edu</a>	<a href="mailto:nmwagoner@frostburg.edu">nmwagoner@frostburg.edu</a>
Telephone Number	301-934-7571	301-687-4406

6. If the Qualifying Student is using federal Title 38 VA Education Benefits (GI Bill® Education Benefits), the Institutions shall adhere to all applicable U.S. Department of Veterans Affairs' regulations, including the regulations governing the awarding prior credit, as regulated under Title 38, Code of Federal Regulations, Sections 21.4253(d)(3) and 21.4254(c)(4).

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7. Each Institution shall adhere to all applicable transfer requirements set forth in the Annotated Code of Maryland and the Code of Maryland Regulations.
8. Each Institution shall advise students regarding transfer opportunities under this Agreement, and shall advise students of financial aid opportunities and implications associated with the transfer.
9. Should either Institution make changes to program requirements, the institution will inform the partner institution immediately. The articulation agreement should be updated to reflect the changes and forwarded to the Maryland Higher Education Commission.
10. Curricular changes (including non0substantial changes) to an academic program in

### **C. Term and Termination**

1. This agreement shall be effective on the date that it is signed by the appropriate and authorized representatives of each Institution.
2. Either Institution may, at its sole discretion, terminate this Agreement upon delivering 60 days written notice to the other Institution and the Maryland Higher Education Commission.
3. Both Institutions agree to meet every year to review the terms of this agreement.

### **D. Amendment**

1. This Agreement constitutes the entire understanding and agreement of the Institutions with respect to their rights and obligations in carrying out the terms of the Agreement, and supersedes any prior or contemporaneous agreements or understandings.
2. This Agreement may be modified only by written amendment executed by both Institutions.

### **E. Governing Law**

This Agreement shall be governed by, and construed in accordance with, the laws of the State of Maryland.

### **F. Counterparts**

This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same agreement.

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### G. Notice of Agreement

1. The Institutions agree to provide a copy of this Agreement, with any amendments, to the Maryland Higher Education Commission.
2. The Institutions agree to provide copies of this Agreement to all relevant individuals and departments of the Institutions, including but not limited to students, academic department chairs participating in the transfer, offices of the president, registrar's offices, and financial aid offices.

### H. No Third-Party Beneficiaries

There are no third-party beneficiaries to this Agreement.

### I. Representations and Warranties of the Parties

Both Institutions represent and warrant that the following shall be true and correct as of the Effective Date of this Agreement, and shall continue to be true and correct during the term of this Agreement:

1. The Institutions are and shall remain in compliance with all applicable federal, state, and local statutes, laws, ordinances, and regulations relating to this Agreement, as amended from time to time.
2. Each Institution has taken all action necessary for the approval and execution of this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized representatives.

College of Southern Maryland

By: \_\_\_\_\_  
Dr. Yolanda Wilson  
President

\_\_\_\_\_  
Date

Frostburg State University

By:  \_\_\_\_\_  
Ronald Nowaczyk  
President *ACTING PRESIDENT*

*12.1.23*  
\_\_\_\_\_  
Date

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College of Southern Maryland

Frostburg State University

By: \_\_\_\_\_  
Dr. Jacquelyn Madry-Taylor  
Interim Vice President of Learning

By:  ON BEHALF OF T. TAYLOR  
Traki L. Taylor SHARMA SIBBENTHAL ADAMS  
Provost & Vice President for Academic Affairs 11/30/23


\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

College of Southern Maryland

Frostburg State University

By: \_\_\_\_\_  
Bernice Brezina  
Dean, School of Professional &  
Technical Studies

By:  \_\_\_\_\_  
Sudhir Singh  
Dean, College of Business, Engineering,  
Computational and Mathematical  
Sciences

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

November 16, 2023