

DELAWARE STATE UNIVERSITY

and

UNIVERSITY OF DELAWARE

PROGRAM ARTICULATION AGREEMENT

Bachelor of Science in Engineering Physics

Master of Science in Electrical and Computer Engineering

Fall 2022 through Spring 2027

Baccalaureate-Master's Program Articulation Agreement

between

DELAWARE STATE UNIVERSITY

and

University of Delaware

for

Bachelor of Science in Engineering Physics

to

Master of Science in Electrical and Computer Engineering

AGREEMENT

WHEREAS Delaware State University (DSU) and University of Delaware (UD) are committed to expanding educational opportunities for the citizens of the State of Delaware, and

WHEREAS the two institutions are committed to providing a smooth transition for students wishing to earn a bachelor's degree and a master's degree, and

WHEREAS the intent of the two institutions is to avoid duplication of curricula where appropriate within articulated programs of studies, and

WHEREAS the two institutions better serve the educational growth of students and the economic development of the community through cooperative educational planning and optimal utilization of community resources,

BE IT HEREWITH RESOLVED that this agreement commits the partners to full support of an articulation process between similar academic programs offered by the two institutions.

PROVISIONS OF THE AGREEMENT

1. This program articulation agreement applies to the Delaware State University Bachelor of Science degree in Engineering Physics - Electrical Engineering concentration and the University of Delaware Master of Science in Electrical and Computer Engineering degree – any concentration.
2. The institutions agree to follow the connected degree curriculum delineated in this document, which will allow qualified students to earn a Bachelor of Science in Engineering Physics degree from Delaware State University and a Master of Science in Electrical and Computer Engineering degree from the University of Delaware.
3. Both institutions will cooperate toward developing, disseminating, and presenting the articulated program information to students.
4. DSU and UD will strive to create academic and co-curricular opportunities with DSU students selected for this program. This will include co-advisement by DSU-UD academic advising staff and other curricular/co-curricular activities such as: summer internships, research opportunities, invitations to select College and Department level events; and access to RISE Program services.
5. Delaware State University will develop and maintain a selection process for students who express an interest in this articulated degree that may involve achieving grades in specified courses, participation in a “first summer” experience, etc. Staff from the UD Electrical and Computer Engineering department will be jointly involved in the selection process.
6. Students will be accepted into the Master of Science in Electrical and Computer Engineering program at the University of Delaware under these conditions: completion of all articulated credits for the Bachelor of Science degree in Engineering Physics – Electrical Engineering concentration (96 credits) at DSU and earning a minimum cumulative GPA of 3.3. Upon the sole discretion of the Electrical and Computer Engineering Department at the University of Delaware, those who fail to meet the stated requirements may still be admitted based upon other appropriate strengths. DSU will provide confirmation of the completion of articulated coursework upon student’s final semester of coursework at DSU.
7. All articulated course credits earned at the University of Delaware with a grade of C or better will be accepted at Delaware State University for transfer and credit toward the Bachelor of Science in Engineering Physics degree according to the articulation agreement. Delaware State University requires 124 credits for the Bachelor of Science in Engineering Physics degree; therefore, a minimum of 28 credits will typically need to be transferred from the University of Delaware to meet this requirement. For this program, DSU’s last 30 credit hours will be

waived, and the transfer of these courses is under the discretion of the DSU's Dean for Agriculture, Science and Technology and the DSU Registrar.

8. Students who have attended a college or university other than DSU and transferred credits to DSU in pursuit of the bachelor's degree program will be evaluated on a case-by-case basis for eligibility into this program. In rare cases, students may be required to take additional courses to address any eligibility concerns. It is expected that students will complete all coursework in the UD portion of the agreement at UD.
9. The 6 credits of dual-counted UG/Master's coursework taken at UD must be completed with a B- or better grade to count toward the Master's degree.
10. Students intending to participate in this articulation program should complete the UD Graduate Admissions application during the Spring of their third year.
11. Students are subject to all specific policies pertaining to the Master of Electrical and Computer Engineering program at UD governed by the rules for the thesis or non-thesis option. Choosing the thesis option may extend time to degree completion. Matriculated students will be assigned an academic advisor upon matriculation at UD.
12. Students are subject to all the policies and procedures of both institutions and the specific policies of this articulation agreement. This includes applying for graduation at Delaware State University. Students must have earned the Bachelor's degree at DSU prior to applying for graduation at the University of Delaware.
13. Delaware State University will provide a letter when the Bachelor's degree requirements have been met. The letter will be required for the students to file an Application for Advanced Degree for the Master of Science Degree in Electrical and Computer Engineering at UD. Students will provide, via DSU, an official transcript to the University of Delaware Graduate College once the bachelor's degree has been awarded.
14. This articulation agreement is based on the present curricula contained in this document and it is effective as of the date of the final signature and shall remain in place through May 31, 2027. This agreement may be terminated in writing by either party with at least three months' notice. In such an event, students already accepted into the program by the date of termination will be permitted to progress through the program.
15. Changes made to the Delaware State University Engineering Physics curriculum articulated in this document will be evaluated by the Department of Electrical and Computer Engineering at the University of Delaware to ensure the suitability of any curriculum changes for the connected degree program. Any such changes

by Delaware State University and acceptance of those changes by the University of Delaware will be documented in an addendum to this agreement

16. Both institutions at any time may initiate changes to this articulation agreement. Both institutions reserve the right to modify the programs as deemed necessary and agree to inform the appropriate individuals of said changes. The DSU-UD Dual Degree Steering Committee will review all agreements and proposed curricular changes to be presented by the respective departments by July 1 of each year. Any outcomes requiring academic approval will be managed by the respective Deans. The University of Delaware will honor this articulation agreement for any DSU student who enrolls in the Bachelor of Science in Engineering Physics degree program during the period specified in this agreement and matriculates at UD for the Master of Science program within eight (8) years of the signing of this agreement by both parties.
17. Students who apply to this program are responsible for all tuition, fees, and living expenses that are applicable to their curriculum and enrollment. These charges may be partially or wholly reduced by scholarships, grants, or other financial tools.
18. The parties agree to continue their respective policies of nondiscrimination based on Title VI of the Civil Rights Act of 1964 in regard to sex, age, race, color, creed, and national origin, Title IX of the Education Amendments of 1972 and other applicable laws, as well as the provisions of the Americans with Disabilities Act.
19. The relationship between the parties to this Agreement to each other is that of independent contractors. The relationship of the parties to this contract to each other shall not be construed to constitute a partnership, joint venture or any other relationship, other than that of independent contractors.
20. This Agreement is not intended to and does not create any contractual rights or obligations with respect to the signatory agencies or any other parties. Any dispute arising hereunder shall be submitted to the Presidents of the respective universities for final resolution.
21. This Agreement represents the entire understanding between the parties. This Agreement shall only be modified in writing with the same formality as the original Agreement.

CONNECTED DEGREE CURRICULUM

Suggested Course Sequence

Bachelor's Degree Program: Bachelor of Science in Engineering Physics, Electrical Engineering conc., DSU

Master's Degree Program: Master of Science in Electrical and Computer Engineering, UD

FRESHMAN FALL SEMESTER (DSU)			SENIOR FALL SEMESTER (UD)		
Course	Course Name	CR	Course	Course Name	CR
PHYS 201	General Physics I	4	ELEG 305	Signals and Systems (<i>Signals and Systems, ENGR 302 DSU</i>) (Transfer)	4
MTSC 251	Calculus I	4	ELEG 498	Senior Design I (<i>Introduction to Research I, PHYS 451 DSU, DSU Capstone</i>) (Transfer)	3
PHYS 200	Ana. and Quant. Analysis	3	ELEG/CPEG* 6XX/8XX	UD Dual Count (MS) Course (<i>Technical Elective I, EENGR XXX DSU</i>) (Transfer)	3
ENGL 121	Introduction to Composition I (8-weeks)	2	XXXX XXX	Social Science Elective (Transfer)	3
ENGL 122	Introduction to Composition II (8-weeks)	2	XXXX XXX	Arts and Humanities Elective (Transfer)	3
PHYS 191	University Seminar I	1			
	Total Credits	16		Total Credits	16
FRESHMAN SPRING SEMESTER (DSU)			SENIOR SPRING SEMESTER (UD)		
Course	Course Name	CR	Course	Course Name	CR
PHYS 202	General Physics II	4	ELEG 310	Random Signals and Noise (<i>Technical Elective II, XXXX XXX DSU</i>) (Transfer)	3
MTSC 252	Calculus II	4	ELEG 499	Senior Design II (<i>Introduction to Research II, PHYS 418 DSU, DSU Capstone</i>) (Transfer)	3
ENGL 124	Intro to Speech and Composition IV (8-weeks)	2	ELEG/CPEG* 6XX/8XX	UD Dual Count (MS) Course	3

				(Technical Elective III DSU EENGR XXX) (Transfer)	
PHYS 192	University Seminar II	1	XXXX XXX	Arts and Humanities Elective (Transfer)	3
PHYS 220	Scientific Programming	3			
KINE 100	Lifetime Fit. and Wellness	2			
	Total Credits	16		Total Credits	12
SOPHOMORE FALL SEMESTER (DSU)			MASTER'S DEGREE FIRST SEMESTER (UD)		
Course	Course Name	CR	Course	Course Name	CR
PHYS 313	Mechanics I: Statics	3	ELEG/CPEG* 6XX/8XX or ELEG/CPEG 869	Master's Degree Course or Master's Thesis	3
CHEM 101	Gen. & Elem. Chemistry I	4	ELEG/CPEG* 6XX/8XX	Master's Degree Course	3
ENGR 210	Digital Logic Design	4	ELEG/CPEG* 6XX/8XX	Master's Degree Course	3
MTSC 313	Linear Algebra	3	ELEG/CPEG* 6XX/8XX	Master's Degree Course	3
ENGL XXX	World Literature Elective	3			
	Total Credits	17		Total Credits	12
SOPHOMORE SPRING SEMESTER (DSU)			MASTER'S DEGREE SECOND SEMESTER (UD)		
Course	Course Name	CR	Course	Course Name	CR
PHYS 314	Mechanics II: Dynamics	3	ELEG/CPEG* 6XX/8XX or ELEG/CPEG 869	Master's Degree Course or Master's Thesis	3
ENGR 205	Electrical Circuit Analysis	4	ELEG/CPEG* 6XX/8XX	Master's Degree Course	3
MTSC 253	Calculus III	4	ELEG/CPEG* 6XX/8XX	Master's Degree Course	3
ENGL 123	Intro to Composition and Speech III (8-weeks)	3	ELEG/CPEG* 6XX/8XX	Master's Degree Course	3
	Total Credits	14		Total Credits	12
JUNIOR FALL SEMESTER (DSU)			*Refer to UD Graduate Catalog for specific course requirements.		
Course	Course Name	CR			
PHYS 341	Electricity and Magnetism I	3			
ENGR 309	Electronic Circuit Analysis	4			
PHYS 305	Thermal Physics	3			
PHYS 361	Modern Physics	4			
MTSC 351	Differential Equation	3			

	Total Credits	17			
JUNIOR SPRING SEMESTER (DSU)					
Course	Course Name	CR			
PHYS 342	Electricity & Magnetism II	3			
ENGR 342	Materials Science for Engineers	4			
ENGR 340	Solid State Electronics	3			
GLOB 395	Global Societies	3			
XXXX XXX	World History Elective	3			
	Total Credits	16			
	TOTAL DSU UG CREDITS	96		TOTAL UD CREDITS	52
				TOTAL DUAL DEGREE CREDITS	148

APPROVAL

This program articulation agreement is between DSU’s Bachelor of Science in Engineering Physics and UD’s Master of Science in Electrical and Computer Engineering.

Approval is granted for a period of five years effective on the date both parties have signed this agreement


DELAWARE STATE UNIVERSITY	UNIVERSITY OF DELAWARE
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DocuSigned by:


 Dr. Sandra F. DeLauder, Provost

August 3, 2022

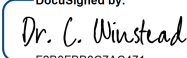
 Date



 Dr. Laura Carlson, Provost

8/4/2022 | 8:22 AM


 Date

DocuSigned by:


 Dr. Cherese Winstead, Dean, College of Agriculture, Science and Technology

August 2, 2022

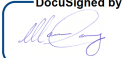
 Date



 Dr. Levi T. Thompson, Dean, College of Engineering, and Elizabeth Inez Kelley Professor, Chemical & Biomolecular Engineering

8/4/2022 | 8:22 AM

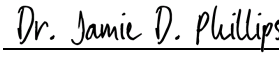
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DocuSigned by:


 Dr. Marwan Rasamny, Chair Physics, Engineering, Mathematics and Computer Science

July 11, 2022

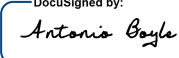
 Date



 Dr. Jamie Phillips, Chair Electrical and Computer Engineering

8/4/2022 | 8:22 AM


 Date

DocuSigned by:


 Dr. Antonio Boyle, Vice President Enrollment Management

August 2, 2022

 Date

DS
 August 3, 2022