

Agreement between College of Southern Maryland (CSM) and Capitol Technology University (Capitol Tech) for the Articulation of the following Associate of Science in Engineering at College of Southern Maryland (CSM) to the following B.S. degrees at Capitol Tech: Mechatronics Engineering

PURPOSE

This agreement facilitates the transfer of CSM students who graduate with an Associate of Science in Engineering to the B.S. in Mechatronics Engineering at Capitol Tech. This agreement defines the terms of the transfer agreement.

The goals inherent in the agreement are to:

1. Facilitate student admission into the B.S. in Mechatronics Engineering after completing the Associate of Science in Engineering.
2. Establish a clear set of understandings and expectations for institutions, students, and their respective degrees.
3. Establish a pathway for CSM Associate of Science in Engineering graduates to earn a B. S. degree in Mechatronics Engineering at Capitol Tech to advance their careers in the associated field.

ARTICULATION AGREEMENT

CSM and Capitol Tech agree that students from CSM, under the articulation agreement, may transfer credits earned for the Associate of Science in Engineering towards a B. S. degree in Mechatronics Engineering at Capitol Tech. The following general principles guide the implementation of this agreement:

1. The program is designed for graduates of the Associate of Science in Engineering at CSM to transfer specific courses in which they have earned the grade of C or higher. The number of courses transferred may not exceed 70 credit hours. However, students with transfer credits from 4-year institutions may request evaluation of those credits for additional transfer. The credit hours transferred from CSM contribute to the fulfillment of the 120/121 credit hours required for baccalaureate completion at Capitol Tech.
2. The course transfer tables included with this document specifies courses that may transfer from CSM to Capitol Tech.
3. Capitol will consider, on a case-by-case basis, accepting credit from non-direct classroom instruction (including CLEP, AP, and other nationally recognized standardized examination scores).
4. Students are advised to complete the A.S. degree prior to officially transferring to Capitol Tech.
5. CSM students who complete the Associate of Science in Engineering with a 2.5 grade point average will be automatically accepted into the B.S. in Mechatronics Engineering degree

program at Capitol Tech.

6. Students who complete the associates degree with a GPA of 3.0 or higher and subsequently attend Capitol in either an on campus or synchronous online program full-time will receive transfer scholarships of up to \$10,000 per year.
7. Students who transfer to Capitol's asynchronous eight-week term programs will qualify for the partner tuition rate (\$360 per credit hour for 2020-2021)
8. At the request of CSM, Capitol Tech will provide general information on the academic progress of CSM students enrolled in any of the Capitol Tech's B.S. programs. Any feedback must adhere to FERPA requirements.
9. The Capitol Tech BS in Construction Safety is a Board of Certified Safety Professionals (BCPS) QAP program. Upon graduation, graduates of a BCPS QAP program like this are eligible to apply for the Graduate Safety Practitioner® (GSP®), a BCSP-approved credential necessary to apply for the Certified Safety Professional® (CSP®). In order for Capitol Tech to obtain this status, all the safety, math, and science courses we offer in this program include their mandatory criteria.
10. CSM and Capitol Tech agree to monitor the performance of this agreement when any changes to program curriculum occur.
11. CSM and Capitol Tech agree to publicize this agreement on their web sites.
12. The course transfer tables are subject to a five-year review for updating and revising as necessary by the appropriate CSM and Capitol Tech officials without affecting the signed agreement.
13. Either party may terminate the agreement with 60 days advance written notice to the other. Termination of the agreement will not affect any students currently enrolled in the Associate of Science in Engineering who are taking courses at Capitol or who are accepted into the Mechatronics Engineering at Capitol Tech.
14. This agreement becomes effective on the date that the last authorizing party has signed the agreement. The last signer will write the date on the signature page.

Course Transfer Table
A.S. Engineering at College of Southern Maryland to
B.S. Mechatronics Engineering at Capitol Technology University
Bachelor of Science (120 Credits)

COURSE NUMBER, TITLE and NUMBER of CREDITS			COURSE NUMBER, TITLE and NUMBER of CREDITS		
Mechatronics 33 Credits			Computer Science 6 Credits		
	MEC-155 Intro to Materials Science (3)			CS-150 Intro to Programming Using C (3)	CSC 1390 (3)
	MEC-210 Engineering Mechanics - Statics (3)	EGR-1210 (3)		CS-200 Programming in C++ (3)	
	MEC-215 Intro to Engineering Design CAD (3)				
	MEC-220 Principles of Mechatronics (3)				
	MEC-310 Engineering Mechanics – Dynamics (3)	EGR-2210 (3) (see Note 1)	Mathematics & Science 30 Credits		
	MEC-330 Fluid Mechanics (3)			CH-120 Chemistry (3)	CHE 1350 (3)
	MEC-370 Electronics and Instrumentation (3)			MA-261 Calculus I (4)	MTH 1200 (4)
	MEC-375 Engineering Safety (3)			MA-262 Calculus II (4)	MTH 1210 (4)
	MEC-410 Kinematics and Dynamics of Machinery (3)			MA-263 Calculus III (4)	MTH 2200 (4)
	MEC-455 Mechatronic System Design (3)			MA-340 Ordinary Differential Equations (3)	MTH 2210 (3)
	MEC-462 Automation Systems Design (3)			PH-261 Engineering Physics I (4)	PHY 1210 (3) + PHY 1210L (1)
				PH-262 Engineering Physics II (4)	PHY 2200 (3) + PHY 2200L (1)
				PH-263 Engineering Physics III (4)	PHY 2210 (3) + PHY 2210L (1)
Electronics & Engineering 27 Credits					
	EL-100 Intro to AC/DC Circuits (3)	EGR 1100 (2) + EGR 2310L (1)			
	EL-150 AC/DC Circuits and Analysis (3)	EGR 2310 (3)	Humanities, Management, and Social Sciences 24 Credits		
	EL-200 Electronic Device and Circuits (3)			BUS-301 Project Management (3)	ECN 1015 (3) (See Note 2)
	EL-204 Digital Electronics (3)	EGR 2440 (3)		EN-101 English Communications I (3)	ENG 1010 (3)
	EL-262 Microprocessors & Assembly (3)	EGR 1440 (3)		EN-102 English Communications II (3)	
	EE-285 Programmable Logic Controllers and Networks (3)			HU-331 Arts and Ideas (3)	
	EE-340 Systems Engineering (3)			SS-351 Ethics (3)	
	EE-353 Power Systems Engineering (3)			Social Sciences Elective (3)	Elective
	EE-453 Control I (3)			Humanities Elective (3)	Elective
				Humanities Elective (3)	Elective
			Total transfer credits = 66		
Note 1 Students who take EGR-2210 may substitute it for MEC-310 at Capitol.					
Note 2 Students do not have room for a second social science transfer; however students who take ECN 1015 may substitute it for BUS 301 at Capitol.					

Authorizing Signatures

This agreement is authorized for implementation on the _____ day of _____,
2020.

Jul 28, 2020

Bradford L. Sims

Bradford L. Sims (Jul 28, 2020 14:06 EDT)

Bradford L. Sims, PhD
President
Capitol Technology University

Eileen Abel

Eileen Abel (Jul 8, 2020 14:52 EDT)

Dr. Eileen Abel
Vice President of Academic Affairs
College of Southern Maryland

Steve McCaskey

Stephen J. McCaskey, PhD
VP for Academic Affairs
Capitol Technology University

Capitol Technology University AS Engineering to BS Mechatronics Engineering

Final Audit Report

2020-07-08

Created:	2020-07-02
By:	Jacquelyn Rogers (jgrogers@csmd.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAuBfGppg2RRq7IjW8vQd9cONEGnV_x5cZ

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2020-07-02 - 8:08:23 PM GMT- IP address: 24.233.210.107
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2020-07-02 - 8:08:45 PM GMT
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2020-07-08 - 6:51:32 PM GMT- IP address: 69.251.55.102
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2020-07-08 - 6:52:06 PM GMT

Capitol Technology University AS Engineering to BS Mechatronics Engineering - signed

Final Audit Report

2020-07-28

Created:	2020-07-28
By:	Jacquelyn Rogers (jgrogers@csmc.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAA81VRvcN8IfhJ8dxNR9Api8tozCIETBw

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2020-07-28 - 6:04:41 PM GMT- IP address: 96.244.7.205
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2020-07-28 - 6:06:23 PM GMT