

**Agreement between College of Southern Maryland (CSM) and Capitol Technology University (Capitol Tech) for the Articulation of the following Associate of Science in Business Administration with a Concentration in Business Analytics at College of Southern Maryland (CSM) to the following B.S. degrees at Capitol Tech: Data Science**

**PURPOSE**

This agreement facilitates the transfer of CSM students who graduate with an Associate of Science in Business Administration with a Concentration in Business Analytics to the B.S. in Data Science 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 Data Science after completing the Associate of Science in Business Administration with a Concentration in Business Analytics.
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 Business Administration with a Concentration in Business Analytics graduates to earn a B. S. degree Data Science 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 Business Administration with a Concentration in Business Analytics towards a B. S. degree in Data Science 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 Business Administration with a Concentration in Business Analytics 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 Business Administration with a Concentration in Business Analytics with a 2.5 grade point average will be automatically accepted into the B.S. in Data Science 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 Business Administration with a Concentration in Business Analytics who are taking courses at Capitol or who are accepted into the Data Science 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 Requirements for  
BACHELOR OF SCIENCE in DATA SCIENCE Degree**

Bachelor of Science (122 Credits)

COURSE NUMBER, TITLE and NUMBER of CREDITS			COURSE NUMBER, TITLE and NUMBER of CREDITS		
<b>Business Management</b>		<b>33 Credits</b>	<b>Analytics</b>		<b>42 Credits</b>
	BUS-270 Financial Accounting (3)	ACC-2010		CS-120 Intro to Programming Using Python (3)	
	BUS-275 Human Resource Management (3)			CS-150 Programming in C (3)	
	BUS-279 Introduction to Leadership (3)			BUS-101 Introduction to Data Science (3)	
	BUS-289 Entrepreneurship & Small Business Management (3)			CS-220 Database Management (3)	ITS-1120
	BUS-301 Project Management (3)			CS-240 Introduction to Data Mining (3)	
	BUS-358 Internship (3)			BUS-240 Statistical Methods in Data Science (3)	
	BUS-378 Legal Environment of Business (3)	BAD-2070		BUS-245 Writing and Communication in Data Science (3)	
	BUS-386 Organizational Theory/Behavior (3)			BUS-284 Data Identification & Collection Strategies (3)	
	BUS-410 Strategic Management (3)			BUS 310 Data Mining for Effective Decision Making (3)	
	CS-457 Senior Design Project I (3)			CS-350 Data Visualization (3)	
	CS-458 Senior Design Project II (3)			CS-360 Text Mining and Natural Language Processing (3)	
				CS-370 Computer Vision (3)	
				BUS-443 Marketing Analytics: Decision Making in the Information Age (3)	
				CS-440 Advanced Machine Learning (3)	
			<b>Electives</b>		<b>6 Credits</b>
				1.Elective	FYS-1010
				2.CT-102	ITS-1050
<b>Mathematics &amp; Science</b>		<b>20 Credits</b>			
	MA-112 Intermediate Algebra (3)	*	<b>Humanities &amp; Social Sciences</b>		<b>21 Credits</b>
	MA-114 Algebra & Trigonometry (4)	*		BUS-174 Intro to Business and Management (3)	BAD-1015/ ECN-1015
	MA-128 Statistics (3)	MTH-1015		EN-101 English Communications I (3)	ENG-1010
	MA-261 Calculus I (4)	MTH-1200 or 1560		EN-102 English Communications II (3)	ENG-1020
	BUS-247 Quantitative Methods for Business Analytics (3)			HU-331 OR HU-332 Arts and Ideas (3)	
	Science Elective (3)	SCE-1010		Humanities Elective (3)	COM-1010 or 1650
<b>Evaluated by (list below):</b>		<b>Date:</b>		SS-351 Ethics (3)	PHL 1150 or 1430
1.				Social Science Elective (3)	Social Sciences
2.			<b>Schools transferred in from:</b>		
3.			T <sub>1</sub> =	T <sub>3</sub> =	
			T <sub>2</sub> =	T <sub>4</sub> =	
<b>Student's First Name:</b>		<b>Initial:</b>	<b>Comments: * Elective credit will be used in place of these courses. ECN-2020 &amp; ECN-2025</b>		
<b>Student's Last Name:</b>					

**Students are required to complete FS-100 (Freshman Seminar) unless the student has transferred 24 credit hours or greater. A student may be required to complete MA-005, and/or EN-001, and/or CS-100 based on placement test results.**

## Authorizing Signatures

This agreement is authorized for implementation on the Aug 2, 2021.

*Bradford Sims*

Bradford Sims (Aug 2, 2021 19:25 EDT)

Bradford L. Sims, PhD  
President  
Capitol Technology University

*Rodney Redmond*

Rodney Redmond (Aug 2, 2021 21:43 EDT)

Dr. Rodney Redmond  
Provost & Vice President of Learning  
College of Southern Maryland

*Richard E. Baker*

Richard E. Baker (Aug 3, 2021 09:40 EDT)

Richard Baker, PhD  
Interim Vice President for Academic Affairs  
Capitol Technology University