Agreement between Cecil College (Cecil) and Capitol Technology University (Capitol Tech) for the Articulation of the attached degree programs

PURPOSE

This agreement facilitates the transfer of Cecil College (Cecil) students who graduate with an A.S. or A.A.S. degree to a B.S. program at Capitol Technology University (Capitol Tech). This agreement defines the terms of the transfer agreement.

Articulated Degrees		
Cecil College	**Capitol Tech**	
A.S. in Computer Science	BS in Computer Science	54 CREDITS
A.A.S in Cybersecurity	BS in Cybersecurity	60 CREDITS

Admission Information:

The program is designed for Cecil graduates to transfer specific courses in which they have earned a 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 an evaluation of those credits for an additional transfer. The credit hours transferred from Cecil contribute to fulfilling the 120 credit hours required for baccalaureate completion at Capitol Tech.

1. The course transfer tables listed in the Appendices specify courses that may transfer from Cecil to Capitol Tech.
2. On a case-by-case basis, Capitol Tech will consider accepting credit from non-direct classroom instruction (including CLEP, A.P., and other nationally recognized standardized examination scores).
3. Students are advised to complete the A.S. or A.A.S. degree before officially transferring to Capitol Tech.
4. Cecil students who complete the A.S. or A.A.S. with a 2.5 grade point average will be automatically accepted into the bachelor's degree programs at Capitol Tech.
5. Students who complete the associate 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 $12,000 per year.
6. Students who transfer to Capitol Tech's asynchronous eight-week term programs will qualify for the partner tuition rate ($360 per credit hour for 2024-2025)
7. Cecil students can join Capitol Tech activities such as Cyber Saturday events and monthly Webinars. Upon request, specific events such as campus tours, on-site competitions, or Cyber Saturday exclusive events can be scheduled for Cecil student groups.

APPENDIX A: COMPUTER SCIENCE

Cecil College	Capitol Tech
A.S. in Computer Science	BS in Computer Science

COURSE NUMBER, TITLE and NUMBER of CREDITS			COURSE NUMBER, TITLE and NUMBER of CREDITS		
Computer Science		**60 Credits** Transferred Course	**Science**		**6 Credits** Transferred Course
	CS-120 Intro to Programming Using Python (3)	CSC-109		PH-201 General Physics I (3)	
	CS-130 Intro to Programming Using Java (3)	CSC-205		Science Elective (3)	S/SLELE 1/2
	CS-150 Programming in C (3)				
	CS-200 Programming in C++ (3)	CSC-205	**Humanities/Social Sciences/English**		**18 Credits**
	CS-220 Database Management (3)			EN-101 English Communications I (3)	EGL-101
	CS-225 Intermediate Java Programming (3)	CSC-218		EN-102 English Communications II (3)	EGL-211or -102
	CS-230 Data Structures (3)			HU-331 Arts and Ideas (3)	
	DS-235 Intro to Data Mining (3)			SS-351 Ethics (3)	CSC-110
	CS-310 Computer Algorithms (3)			Social Science Elective (3)	SOC SCI 1/2
	CS-330 IPhone App Development (3) OR CS 305 Android App Development (3)			Humanities Elective (3)	SPH-121
	AIT-360 Text Mining & Natural Lang Proc (3)		**Mathematics**		**17 Credits**
	AIT-370 Computer Vision (3)			MA-124 Discrete Mathematics (3)	Note I: One Math
	CS-405 Intro/Software Design w/UML (3)			MA-128 Intro/Statistics (3)	Note I
	AIT-440 Advanced Machine Learning (3)			MA-261 Calculus I (4)	Note 1
	CS-418 Operating Systems (3)	CSC-206		MA-262 Calculus II (4)	Note I
	CT-152 introduction to Unix (3)	CSC-130		MA-330 Linear Algebra (3)	Note I
	CT-376 JavaScript (3)		**Computer Science Electives**		**6 Credits**
	CS 250 Intro Net Programming with C (3) OR CS 356 Dynamic Web Page Development (3) OR CT 406 WEB Programming Languages (3)	CSC-182 = CT-406 0R VCP-144=CS-356		1. CSC-104	3
				2. CSC-103	3
	SDE-457 Senior Design Project I (3)		General Electives		**6 Credits**
	SDE-458 Senior Design Project II (3)			**1.** SPH-141	3
				2. SOC SC1 2/2	3
Technical		**9 Credits**	**6 credits of computer science or technical courses.**		
	EL-204 Digital Electronics (3)		a. NT-100, NT-150, CT-240 are recommended for students interested in networking courses.		
	EL-262 Microprocessors/Micro assembly (3)		b. CT-102, CS-356 and CT-406 are recommended for students interested in constructing and maintaining websites.		
	EE-364 Computer Architecture (3)		c. See department for other suggestions of electives.		
			d. Computer Science electives means any course with "CS" prefix		

APPENDIX B: CYBERSECURITY

Cecil College	Capitol Tech
A.A.S in Cybersecurity	BS in Cybersecurity

Programming and Computer Courses	**33 Credits**	**English, Humanities, & Social Scie11ces**	**21 Credits**
CS-120 Intro to Programming Using Python (3)	CSC-109	EN-101 English Communications I (3)	EGL 101
CS-150 Intro to Programming Using C (3)		EN-I02 English Communications II (3)	EGL 102 or EGL211
CS-200 Intro to Object Oriented Prog C++ (3)	CSC-205	HU-331 Arts and Ideas (3)	
CS-220 Database Management (3)		SS-351 Ethics (3)	CSC-110
CS-230 Data Structures (3)		Humanities Elective (3)	Art/Hum Elect
CS-250 Intro to Network Programming Using C (3)		Humanities Elective (3)	PSY 101
CS-300 Secure Coding (3)		Social Science Elective (3)	Soc Sci Elect
CS-418 Operating Systems (3)	Note 2		
CT-152 Introduction to Unix (3)	Note 2	Management Courses	**9 Credits**
CT-240 Internetworking w/Routers/Switches (3)	CSC-266	BUS-IOI: Introduction to Data Science (3)	Note 2
NT-150 Introduction to Networking (3)	CSC-140	BUS-174 Introduction to Business and Management (3)	
		BUS-301 Project Management (3)	
Information Assurance Courses	**33 Credits**		
IAE-201 Introduction to IA Concepts (3)	CSC-141	Mathematics & Science Courses	**12 Credits**
IAE-250 Comprehensive Computer/Network Security (3) *(Formerly IAE-30/l*	CSC-225	MA-112 Intermediate Algebra (3)	
IAE-260 Secure Sys Admin & Operation (UNIX 0/S) (3) *(Formerly IAE-315)*		MA-124 Discrete Math (3)	Note 1
IAE-321 Applied Wireless Network Security (3)		MA-128 Introduction to Statistics (3)	Note 1
IAE-325 Secure Data Communications and Cryptography (3)	CSC-225	Science Elective (3) (AE-150, CH-120, PH-201)	BIO or PHY
IAE-390 Penetration Testing (3) *(Former/v IAE-4/0)*	CSC-235		
IAEA02 Intro to Incident Handling/Malicious Code (3)		General Electives	**12 Credits**
IAE-405 Malware Analysis/Reverse Engineering (3)		1. CSC 104 (3)	
IAE-406 Digital Forensics and the Investigative Process (3)	CSC-151	2. CSC or Math Ele (3)	
SDE-457 Senior Design Project I (3)		3. CSC or Math Ele (3)	
SDE-458 Senior Design Project II (3)		4. CSC or Math Ele (3)	
		Note 1: Math Electives: MAT-127= MA-128, MAT-236=MA-124 **Note 2:** CSC Electives: CSC 218=CS-225, CSC-130=CT-152, CSC-206=CS-418, DSC-20l=BUS-101	

APPENDIX D:

DOD CYBERSECURITY SCHOLARSHIP PROGRAM (CYSP) SCHOLARSHIP ANNOUNCEMENT (Dates vary from year to year)

Cyber Scholarship Program: Don't Miss This Prestigious Opportunity for Students

Picture this: a full scholarship package enabling you to complete your cybersecurity education without being hampered by financial burdens.
In addition, a generous stipend covers room and board.
And the assurance of federal government employment after graduation.
All this is possible through the Cyber Scholarship Program (CySP), available to students at DHS and NSA-designated Centers of Excellence in cybersecurity education, including Capitol. But don't let time slip by: the application deadline is soon. Here's how the CySP works.

Students chosen for this prestigious opportunity receive **full scholarship packages, including undergraduate or graduation tuition and a stipend ($27,000 undergraduate and $32,000 graduate) for room and board.**
In exchange for each year, they receive the scholarship, recipients agree to provide one year of paid cybersecurity work for the federal government after graduation.
You must apply through the university and complete the CySP application online. The required CySP application form will be provided in January 2023. The deadline for completed CySP applications is Tuesday, February 1, 2023. Completed applications to Capitol must be submitted with unofficial transcripts and 2 letters of reference from faculty or employers. The application includes a competency statement related to six areas of cybersecurity competency. The Capitol online application is located at (**https://mycapitol.captechu.edu/lCS/Admissions/)**

All applicants will present on their knowledge and ability in the six competency areas via Zoom. The selection panel representatives will interview all applicants immediately following their presentation. Presentation/Interview sessions will occur between February 6, 2023, and February 10, 2023. Notification of selection for nomination will be made to students by February 17, 2023.
The nominated student list will be forwarded to NSA by February 28, 2023. NSA will make the final selections and notification by April 1, 2023.
Completed applications should be received by midnight on February 1, 2023.
DoD Cyber Scholarship Program (DoD CySP) link: https://public.cyber.mil/cw/cdp/dcysp/

Interested in applying? For more information on CySP and the application process, contact Dr. Kellep Charles at **kacharles@captechu.edu** or Dr. William Butler at whbutler@captechu.edu