MONTGOMERY COLLEGE AND STEVENSON UNIVERSITY
INSTITUTIONAL ARTICULATED PATHWAY AGREEMENT

AGREEMENT

This Articulation Agreement serves as the formal collaboration document for Montgomery College (MC) and Stevenson University to deliver seamless pathways between Associate degree programs and Bachelor degree programs. The approved pathways are included as a separate appendix to this agreement.

PROVISIONS OF THE AGREEMENT

1. The institutions agree to follow the joint program curriculum and course-by-course articulation delineated in these documents.

2. Both educational institutions will cooperate toward developing, disseminating, and presenting the articulated program information to students.

3. Graduates of MC who have completed the approved degree programs with a 2.0 or higher will receive guaranteed admissions to Stevenson in accordance with Stevenson's Transfer Student Policy.

4. Students intending to transfer should apply for admission by the priority deadline for the semester for which they intend to enroll.

5. Students are subject to all the policies and procedures of both institutions.

6. This articulation agreement is based on the present curricula contained in the appendix. Changes to and the additional of new curriculum can be made without completing the signatory process. The degree requirements will be reviewed biennially; the agreement will be reviewed every five years at which time the agreement can be renewed or ended upon the mutual written consent of both parties.

7. Both institutions at any time may initiate changes to this articulation agreement. Changes should be shared in written format executed by both parties, via email or USPS, with at least 30-day's notice for implementation. The contact at MC will be the Office of the Senior Vice President for Academic Affairs; the contact at Stevenson will be the Assistant Vice President for Academic Affairs.

8. Notwithstanding any other provision of this articulation agreement, all information relating to student educational records shall be treated in accordance with the Federal Educational Rights and Privacy Act (FERPA).

9. This agreement goes into effect for the Fall 2019 semester.

APPENDIX

As part of this agreement, the following has been included:

1. Recommended Transfer Pathways for completion of MC and Stevenson requirements.
   A. AA in Business to BS in Business Administration
   B. AS in Science, Biological Science Area of Concentration to BS in Biology
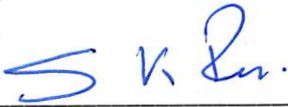   C. AAS in Cybersecurity to BS in Cybersecurity and Digital Forensics

SIGNATORIES

This agreement represents our understanding that students who adhere to the requirements will have the ability to transfer from MC to Stevenson in accordance with Stevenson's Transfer Student Policy.
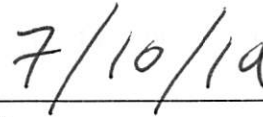
Approval is granted according to the terms of this agreement by:
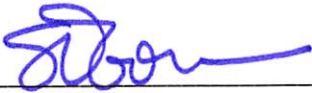
Montgomery College

By:

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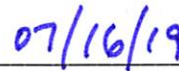Dr. Sanjay Rai
Senior Vice President for Academic Affairs

7/10/19

Date

Stevenson University

By:

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Susan Thompson Gorman, PhD
EVP Academic Affairs and Provost

07/16/19

Date

MC A.A.S. in Cybersecurity
to Stevenson B.S. in Cybersecurity and Digital Forensics

Total Credits: 60, Catalog Year 2019-2020

Name:	Date:	ID#		
Foundation Courses	**COURSE**	**HRS**	**GRADE**	
English Foundation (ENGL102 or ENGL102)	ENGL	3		
Math Foundation (MATH117 or higher)	MATH	3		
Distribution Courses	**COURSE**	**HRS**	**GRADE**	
Arts or Humanities Distribution		3		
Natural Science Distribution w/ Lab		4		
Behavioral and Social Sciences Distribution		3		
Program Requirements	**COURSE**	**HRS**	**GRADE**	
ENGL101 (if needed for ENGL102 or ENGL103)		(3)		
Intro to Scripting	CMSC135	3		
UNIX/LINUX System Administration	CMSC253	3		
Microcomputer Essentials	NWIT127	3		
Intro to Networking	NWIT151	3		
Network Security	NWIT173	3		
Intro to Cyber Ops	NWIT230	3		
Defending the Network	NWIT245	3		
Attacker Tools and Techniques	NWIT246	3		
Intro to Incident Response	NWIT247	3		
Cisco Networking 2	NWIT252	3		
Intro to Digital Forensics	NWIT263	3		
Wireless Security	NWIT275	3		
Cybersecurity Capstone	NWIT291	1		
General Education Elective	**COURSE**	**HRS**	**GRADE**	
Intro to the Study of Ethics	PHIL140	3		

Stevenson Contact Information:
Alan Carswell, Chair of Department of Information Systems
443-352-4690
acarswell@stevenson.edu

www.stevenson.edu/academics/undergraduate-programs/cybersecurity-digital-forensics

Suggested Transfer Pathway
Montgomery College A.A.S. in Cybersecurity to
Stevenson University B.S. in Cybersecurity and Digital Forensics

Total Credits: 60, Catalog Year: 2019-2020

0 - 31 Credits – Montgomery College

	Cr
ENGL101 (if needed for ENGL102/103, NWIT/CMSC elective if not)	3
Behavioral and Social Sciences Distribution	3
NWIT127 Microcomputer Essentials	3
NWIT151 Intro to Networking	3
Math Foundation (MATH117 or higher)	3
Total Credits	**15**

	Cr
English Foundation: ENGL102 or ENGL103	3
CMSC253 UNIX/LINUX System Administration	4
NWIT173 Network Security	3
CMSC135 Intro to Scripting	3
NWIT252 Cisco Networking 2	3
Total Credits	**16**

32 - 60 Credits – Montgomery College

	Cr
NWIT245 Defending the Network	3
PHIL140 Intro to the Study of Ethics	3
NWIT263 Intro to Digital Forensics	3
Natural Science Distribution with Lab	4
Arts or Humanities Distribution	3
Total Credits	**16**

	Cr
NWIT230 Intro to Cyber Ops	3
NWIT246 Attacker Tools and Techniques	3
NWIT247 Intro to Incident Response	3
NWIT291 Cybersecurity Capstone	1
NWIT275 Wireless Security	3
Total Credits	**13**

Apply to graduate from Montgomery College with an AAS in Cybersecurity

Year Three – Stevenson University

Fall Semester	Cr
CDF-290 Legal Aspects of Cybersecurity	3
CDF-391 Incident Response and Investigation Methods	3
CDF-392 Information Systems Forensics Internals-Auditing	3
IS-331 CISCO TCP and IP Routing	3
English 151 or elective if requirement filled by ENG 101 or AP scores	3
Total Credits	**15**

Spring Semester	Cr
CDF-393 Forensic Evidence Collection Tools and Techniques	3
CDF-475 Advanced Digital Forensics	3
IS-232 TCP and IP Communication Protocols for Windows and UNIX	3
IS-365 Writing for IS Applications	3
MGT 210 Business Writing	3
Total Credits	**15**

Year Four – Stevenson University

Fall Semester	Cr
IS-235 Advanced Windows Server Architecture & Administration	3
IS-432 Network Security-Firewalls, IDS, and Counter Measures	3
Humanities General Education Course	3
Fine Arts General Education Course	3
Scientific Reasoning General Education Course	3
Total Credits	**15**

Spring Semester	Cr
CDF-480 Cybersecurity Capstone	3
Humanities General Education Course	3
Communication Intensive General Education Course	3
Behavioral Science General Education Course	3
Elective	3
Total Credits	**15**

MC A.A. in Business to Stevenson B.S. in Business Administration

Total Credits: 60, Catalog Year 2019-2020

Name:	Date:		ID#	
Foundation Courses	**COURSE**	**HRS**	**GRADE**	
English Foundation (ENGL102 or ENGL103)	ENGL	3		
Math Foundation (MATH117 or higher)	MATH	3		
Distribution Courses	**COURSE**	**HRS**	**GRADE**	
Arts Distribution *		3		
Humanities Distribution *		3		
GEIR – Arts, Humanities or Health *		3		
Behavioral & Social Science Distribution, Principles of Economics I	ECON201	3		
Behavioral & Social Science Distribution * (Not ECON)		3		
Natural Sciences Distribution with Lab		4		
Natural Sciences Distribution, Lab or non-Lab		3		
General Education Institutional Requirements	**COURSE**	**HRS**	**GRADE**	
COMM108 or COMM112 (GEIR)	COMM	3		
Arts Distribution or Humanities Distribution or HLTH Course		3		
Program Requirements	**COURSE**	**HRS**	**GRADE**	
ENGL101 Intro College Writing (if needed for ENGL102/103, elective if not)		3		
Introduction to Business	BSAD101	3		
Principles of Accounting I	ACCT221	4		
Principles of Accounting II	ACCT222	4		
BSAD210 Statistics for Business Admin. or MATH117 Elements of Statistics		3		
CMAP120 Intro to Computer Applications or CMSC110 Computer Concepts		3		
Principles of Economics II	ECON202	3		
MGMT201 Business Law or Elective		3		
Elective		3		

Stevenson Contact Information:

Dr. Zamira Simkins, Chair of Business Administration
zsimkins@stevenson.edu
(443)352-4374

www.stevenson.edu/academics/undergraduate-programs/business-administration

STEVENSON
U N I V E R S I T Y

Montgomery College
Biology

This transfer plan is intended for students pursuing an Associate of Science, Biological Science Area of Concentration at Montgomery College who are interested in pursuing a Bachelor of Science in Biology at Stevenson University in catalog year 2019-2020. The equivalencies below demonstrate how a student can meet both the requirements of the associate degree and prepare for a seamless transfer to Stevenson. Stevenson participates in reverse transfer should students transfer after completing 15 credits at Montgomery but before completing the full associate's degree. Any student who enters Stevenson with an A.A. or A.S. degree will have completed all general education requirements. Please note:

- Only courses that have course equivalencies are displayed. This guide does not show all transferable courses from this college. It also does not display all Stevenson University courses that will fulfill a specific requirement.
- Program requirements must be completed with a grade of C or better, and general education courses must be passed with a grade of D or better.
- Transfer plans are intended to be used as planning tools. If you need additional assistance in selecting courses to take prior to transferring to Stevenson University, contact Stevenson Admissions at 443-352-4450.

	Montgomery College	Stevenson University	Credits
Associate of Science, Biological Science Area of Concentration Program Requirements	• BIOL 151 - Principles of Biology II	• BIO 115 General Biology III: Ecology and Evolution (Biology Program requirement)	4
	• CHEM 132 - Principles of Chemistry II	• CHEM 116 General Chemistry II and CHEM 116 General Chemistry II Lab, and CHEM 116S General Chemistry SoLVE (Biology Program requirement)	4
	• BIOL 222 Principles of Genetics	• BIO 230 Genetics (Biology Program requirement)	4
	Program electives: • BIOL 252 Principles of Biology III	• BIO 114 General Biology II: Structure and Function of Organisms, and BIO 114L General Biology II Laboratory (Biology Program requirement)	4
	• CHEM 203 Organic Chemistry I	• CHEM 210 Organic Chemistry I and CHEM 210L Organic Chemistry I Lab (Biology Program requirement)	5
	Choose from: (total of 7 semester hours) • BIOL 217 Ecology • BIOL 210 Microbiology • BIOL 212 Human Anatomy and Physiology I and BIO 213 Human Anatomy and Physiology II (Must complete both BIOL 212 and BIOL 213 for credit) • BIOL 230 Molecular Cell Biology • BIOL 228 Pathophysiology • SCIR 297 Fundamentals of Scientific Research I	Biology Program electives: • ENV 213 Ecology • BIO 203 Microbiology • BIO 298 Human Anatomy & Physiology I and BIO 299 Human Anatomy & Physiology II transfer credit • BIO 310 Cell Biology • BIO 199 TR Biology elective • BIO 365 Laboratory Research in Biology	6/8
		Program Requirements Total	26-28

GENERAL EDUCATION REQUIREMENTS			
English Composition	ENGL 101 - Introduction to College Writing	ENG 151: English Composition	3
	ENGL 102 Critical Reading, Writing, and Research	ENG 152: Writing about Literature	3
Arts	Arts Distribution course	*Fine Arts Requirement*	3
Communication	COMM 108 Foundations of Human Communication/112 - Business and Professional Speech Communication	*Communication-Intensive Requirement*	3
Humanities	Humanities Distribution	*Humanities requirement*	3
Natural Sciences	• BIOL 150 - Principles of Biology	• BIO 113 General Biology I: Cell Biology and Genetics and BIO 113L General Biology I Lab *(Program Requirement and Lab Science Requirement)*	4
	• CHEM 131 - Principles of Chemistry I	• CHEM 115 General Chemistry I and CHEM 115L General Chemistry I Lab, and CHEM 115S General Chemistry I SoLVE *(Program Requirement and Lab Science Requirement)*	4
Mathematics	MATH 181 Calculus I	*Mathematics requirement*	4
Behavioral and Social Sciences	• Behavioral and Social Science Distribution • Behavioral and Social Science Distribution	• Social Science Requirement • Social Science Requirement	6
		General Education Total	33

Total credits: 59-61

Remaining Courses to be taken at Stevenson

Students who complete the plan above (including recommended courses) and earn the Associate of Science, Biological Science Area of Concentration at Montgomery College will take the following courses at Stevenson to meet the B.S. requirements. Students who transfer before completing the AS may have more general education and program requirements to take and fewer free electives.

General Education (0 credits)

Program Requirements (27-35 credits)

BIO 218   Career Connections in the Life Sciences 1 credit
BIO 235L   Diversity of Life 2 credits
MATH   136 Statistics 4 credits
SCI 215   Writing in the Sciences 3 credits

Senior Capstone Experience (5-9 credits)

Program Electives (12-16 credits)
One biology elective at the 200-level (3-4 credits)
Three biology electives at the 300-400 level (9-12 credits)

Additional Requirements

General Electives: (23-32 credits if needed to reach the required 120 credits)

Total credits to be taken at Stevenson:59-60

Suggested Course Sequence

YEAR 3				
SEMESTER	**FALL**		**SPRING**	
RECOMMENDED COURSES	BIO 235L	2	BIO 218 Career Connections in the Life Sciences	1
	SCI 215 Writing in the Sciences	3	300-level Biology elective	3/4
	MATH 136	4	300-level Biology elective	3/4
	200-level Biology elective	3/4	General elective	3
	General elective	3	General elective	3
CREDITS	**16-17** CREDITS		**13-15** CREDITS	
YEAR 4				
SEMESTER	**FALL**		**SPRING**	
RECOMMENDED COURSES	Senior Capstone	5/9	300-level Biology elective	3/4
	General elective	3/4	General elective	3/4
	General elective	3/4	General elective	3/4
	General elective	3/4	General elective	3/4
CREDITS	**14-18** CREDITS		**12-16** CREDITS	

Suggested Transfer Pathway
Montgomery College A.A. in Business to
Stevenson University B.S. in Business Administration

Total Credits: 60, Catalog Year: 2019-2020

0 – 30 Credits – Montgomery College

(Courses may be taken in any order, pending prerequisites)

	Cr
ENGL101 (if needed for ENGL102/3, or Elective)	3
MATH117 or higher	3
BSAD101 Introduction to Business	3
CMAP120 or CMSC110	3
Behavioral & Social Science Dist. (Not ECON) *	3
Total Credits	**15**

	Cr
ENGL102 or ENGL103 English Foundation	3
Natural Sciences Lab Distribution	4
COMM108 or COMM112 (GEIR)	3
BSAD210 or MATH117	3
Arts Distribution *	3
Total Credits	**16**

31 – 60 Credits – Montgomery College

	Cr
ACCT221 Accounting I	4
ECON201 Principles of Economics I	3
MGMT201 Business Law or Elective	3
Humanities Distribution *	3
Total Credits	**13**

	Cr
ACCT222 Accounting II	4
ECON202 Principles of Economics II	3
GEIR Arts, Humanities or Health	3
Natural Sciences Distribution, Lab or non-Lab	3
Elective	3
Total Credits	**16**

Apply to graduate from Montgomery College with an Associate of Arts in Business

* Choose one course from the Gen Ed List to fulfill the Global & Cultural Perspectives Requirement

Year Three – Stevenson University

Fall Semester	Cr
FIN 300 Principles of Finance	3
English 151 or elective if requirement filled by ENG 101 or AP scores	3
IS 135 MS Office Applications	3
MGT 210 Business Writing	3
MGT 204 Principles of Management	3
Total Credits	**15**

Spring Semester	Cr
IS 201 Management Information Systems OR IS 260 Presentation Theory	3
MGT 308 Business Ethics	3
MGT 310 Organizational Behavior	3
MGT 313 Operations Management	3
MKT 206 Principles of Marketing	3
Total Credits	**15**

Year Four – Stevenson University

Fall Semester	Cr
MGT 422 Strategic Management	3
MGT417/MKT417/FIN417 Internship	3
Track (General, Entrepreneurship, Sports MGT, Finance, or International Business) requirement	3
Track (General, Entrepreneurship, Sports MGT, Finance, or International Business) requirement	3
General elective	3
Total Credits	**15**

Spring Semester	Cr
MGT 430 Business Capstone Seminar	3
Track (General, Entrepreneurship, Sports MGT, Finance, or International Business) requirement	3
Track (General, Entrepreneurship, Sports MGT, Finance, or International Business) requirement	3
Any International Business Course	3
General elective	3
Total Credits	**15**