ARTICULATION AGREEMENT

Middlesex Community College and Wentworth Institute of Technology
Middlesex Associate of Science Programs to Programs in the School of Computing & Data Science
10/7/2026

SUMMARY

This agreement establishes the terms and conditions under which Middlesex Community College students who complete the Associate in Science in Mathematics, Computer Science, Digital Forensics, Information Technology – Cybersecurity, or Information Technology – Networking and User Support may transfer to one or more of the following programs at Wentworth Institute of Technology's School of Computing & Data Science Information Technology: Information Technology, Computer Science, Cybersecurity, Data Science, Applied Mathematics, and/or Applied Artificial Intelligence. There is the additional opportunity to pursue a graduate certificate/degree at Wentworth Institute of Technology's School of Computing & Data Science combined BS/MS degrees in Computer Science, Data Science, and Artificial Intelligence (when it becomes available). See Appendix A for course credit transfer and post-transfer requirements to earn the Bachelor of Science (BS) / Master of Science (MS) at WIT. Additional academic programs may be mapped and incorporated into this Agreement under the same terms and conditions. Such additions will be formalized through written addenda, mutually agreed upon and executed by both parties.

PURPOSE

The partnering schools seek to improve college completion rates among STEM students in Massachusetts and are pleased to offer this partnership agreement, subject to terms and conditions specified within it. This articulation agreement is intended to enhance transfer experience for students at Middlesex Community College and create an inclusive and supportive academic pathway for Computer Science Transfer degree program students.

TERMS OF AGREEMENT

WIT will offer guaranteed admission to students graduating from Middlesex Community College with a 2.5 GPA or higher on a 4.0 scale to Wentworth Institute of Technology, School of Computing & Data Science. WIT will waive the application fee and essay requirement for Middlesex Community College students participating in this agreement. Letters of recommendation are not required.

Students admitted to WIT using the provisions of this agreement will receive transfer credit(s) for college-level courses completed at Middlesex with a grade of "C" or better. A status of incomplete ("I") or Pass ("P") will not be considered for transfer. Science and technology courses completed more than seven years prior to the application date may be considered for transfer at WIT's discretion.

Students must complete greater than half the total credits for degree completion in residency at Wentworth Institute of Technology.

- Guaranteed admission to eligible undergraduate programs at Wentworth Institute of Technology, contingent upon successful completion of the associate degree and satisfaction of established academic criteria.
- A minimum 50% tuition scholarship applied to the enrollment at Wentworth, awarded in the form of institutional merit-based or need-based financial aid.

A minimum 50% tuition scholarship is awarded in the form of institutional merit-based aid and is renewable for up to seven semesters at Wentworth, 8 total semesters. The scholarship amount is fixed at the time of initial award and is not increased in response to subsequent tuition or fee increases.

Renewal is contingent upon the student maintaining financial aid eligibility, as defined by the academic catalog. All awards are based on full-time enrollment (12 or more credits per semester). Scholarship amounts will be prorated for students who enroll in fewer than 12 credits in any given semester.

Graduates of Middlesex's Computer Science Transfer, Digital Forensics, Information Technology-Networking and User Support, Information Technology-Cybersecurity, and Mathematics A.S. degrees who transfer to Wentworth Institute of Technology's School of Computing & Data Science's degree programs as part of this Agreement, aside from the abovementioned 50% tuition scholarship, will be eligible to receive the following scholarships if the students have GPAs of 3.0 or above:

1. Phi-Theta Kappa Transfer Scholarship.
2. Founder Transfer Award Scholarship

Middlesex graduates who complete an Institution/College baccalaureate degree with a minimum overall GPA of 3.0 on a 4.0 scale as part of this Agreement are eligible for general admission into WIT graduate programs. Specific graduate programs may require additional admissions criteria with specified application timelines. The application fee will be waived for program participants. Such graduates may qualify for scholarships to pursue their graduate studies.

Degree Completion
Successful completion of Middlesex Community College A.S. programs as evidenced by an official transcript reflecting a conferred associate degree.

Combined BS/ MS Pathway
Transferring to the School of Computing for a Bachelor of Science degree opens pathways to graduate programs according to the following table:

Bachelor's of Science Program	Eligible Accelerated Master's of Science Programs
Information Technology	Project Management or Business Analytics
Cybersecurity	Computer Science, Cybersecurity, and Artificial Intelligence (pending state approval)
Computer Science	Computer Science, Cybersecurity, Data Science, and Artificial Intelligence (pending state approval)
Data Science	Computer Science, Data Science, and Artificial Intelligence (pending state approval)
Applied Artificial Intelligence	Computer Science, Data Science, and Artificial Intelligence (pending state approval)
Applied Mathematics	Computer Science, Data Science, and Artificial Intelligence (pending state approval)

Students enrolled in the Bachelor of Science above are eligible for automatic admission into the identified MS programs, provided they meet the set conditions. Currently, the set condition for automatic admission is a minimum GPA of 3.0.

ADMINISTRATIVE MATTERS

WIT and Middlesex Community College mutually agree to support publicity, marketing, recruitment, and transfer efforts to ensure success, following a plan collaboratively developed and agreed upon by both parties.

Faculty and staff at both institutions will share information in this agreement with interested and qualified students, and both institutions will provide academic coaching and advising to current and prospective students to advance college completion rates for students.

The designated Administrator for this Articulation Agreement at Middlesex Community College is the Transfer Counselor, Nick Cloutier. The designated Administrator at WIT is Kiera Mahoney. Current contact information is listed below:

Middlesex Community College		Wentworth Institute of Technology
Nick Cloutier		Kiera Mahoney
Transfer Counselor		Director of Transfer & Part-time Admissions
CLOUTIERN@middlesex.edu		mahoneyk@wit.edu
781-280-3587		617-989-4598

TERM, AMENDMENTS, AND TERMINATION

This Agreement will continue in effect for an initial period of three (3) years.

Substantive changes in the courses or program of either institution will require a review of this articulation agreement. This Agreement becomes effective on the date of signature. This Agreement may be terminated or re-negotiated at the request of either institution while giving due protection to those students enrolled at either institution who expect to pursue this plan of study. Either institution may request the termination or change, with or without cause, by giving the other party written notice at least 90 days prior to the effective date of such termination or change. This Agreement does not preclude either institution from entering into agreements with others.

DATA SHARING AND EVALUATION

WIT agrees to provide Middlesex Community College with data on Middlesex Community College transfer students in the programs named in this agreement to evaluate the success rates of transfer students and the effectiveness of this agreement. Data shall be disaggregated to specifically identify student race and/or ethnicity, PELL grant eligibility, and gender. Disaggregated data to be shared with Middlesex Community College:

- Number of Middlesex Community College students who transferred to WIT pursuing programs identified in this agreement
- Date of enrollment at WIT
- Date of degree completion
- Number of credits applied toward WIT degree programs
- Number of credits completed at WIT

This data shall not contain any personal identifying information and will be used solely for the purposes described. With the exception of the Data Recipient of Middlesex Community College, the Coordinator of Transfer Affairs & Articulation, the data shall not be shared or made available to any unauthorized personnel or other third party unless otherwise specified in this agreement.

GENERAL PROVISIONS

This Agreement constitutes the entire understanding between the Parties and with respect to the subject matter governed herein and shall not be deemed to be waived, added to, or modified orally; and no waiver, addition, modification, or amendments shall be valid unless in writing, and signed by the authorized representatives of the parties hereto.

The laws of the Commonwealth of Massachusetts, without giving effect to its conflicts of law principles, govern all matters arising out of or relating to this Agreement and all of the transactions it contemplates, including, without limitation, its validity, interpretation, construction, performance, and enforcement.

Forum Selection. The Parties agree to bring any action arising out of or relating to this Agreement or the relationship between the Parties in the state courts of the Commonwealth of Massachusetts, Suffolk County, which shall have exclusive jurisdiction thereof. The Community College expressly consents to the jurisdiction of the state courts of the Commonwealth of Massachusetts, Suffolk County, in any action arising out of or relating to this Agreement or the relationship between the Parties, waiving any claim or defense that such forum is not convenient or proper. This paragraph shall not be construed to limit any other legal rights of the Parties.

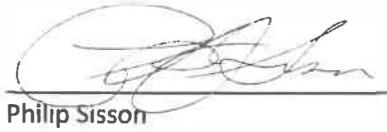
The Parties acknowledge that the University is an agency of the Commonwealth of Massachusetts. No provision (or lack of provision) shall be construed explicitly or implicitly to be a waiver or limitation of the University's sovereign immunity, or rights or defenses arising out or related to its sovereign immunity, including but not limited to its rights under the Massachusetts Tort Claims Act.

Signature page to follow.

SIGNATURES

We, the undersigned, have read and agree with this Articulation Agreement.

Middlesex Community College



Philip Sisson
President, Middlesex Community College

10/16/2026
Date



Dr. Susan Maggioni
Provost and Vice President of Academic Affairs

10/16/2026
Date



Melissa Chardonnet
Dean of K-16 Partnerships

10/16/26
Date



Marie Tupaj
Dean of Science, Technology, Engineering and Mathematics (STEM)

10/16/2026
Date

Wentworth Institute of Technology



Dr. Mark Thompson
President, Wentworth Institute of Technology

10/24/26
Date



Dr. Sophia Maggelakis
Executive Vice President and Provost

10/23/2026
Date



Dr. Michael Farmer
Dean, School of Computing and Data Science

10/20/2026
Date

APPENDIX A

A-1: Mapping of A.S. Computer Science to B.S. Computer Science

WIT course	WIT credits	Middlesex course (Computer Science Transfer)	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4	CSC 151 Programming I	4	
COMP 1050 – Computer Science II	4	CSC 252 Programming II	4	
COMP 1200 – Computer Organization	4	CSC 202 Computer Organization/Assembly Language	4	
MATH 2300 – Discrete Math	4	MAT 250 Discrete Math	3	
MATH 1776/1777 – Calculus 1A/1B	4	MAT 290 Calculus I for Engineering and Science	4	
MATH 1876/1877 – Calculus 2A/2B	4	MAT 291 Calculus II for Engineering and Science	4	
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
FYS 1000 First Year Seminar	1			
Year 2				
COMP 2000 – Data Structures	4	CSC 258 Data Structures	4	
COMP 2100 – Network Programming	4			
COMP 2350 – Algorithms	4			
COMP 2650 – Databases	4			
MATH 2100 – Probability & Statistics for Engineers	4			
MATH 2860 – Linear Algebra & Matrix Theory	4			
HSS Elective	4	ETH 103 Technology and Society	3	PHIL 4501 Ethics
General Elective	4			
Year 3				
COMP 3350 – Programming Languages	4			
COMP 3400 – Operating Systems	4			
COMP 3450 – Parallel & Distributed Computing	4			
COMP Elective	4	CSC Programming III	4	
COMP Elective	4			
SCI Elective	4	Gen Ed Lab Science	4	
SCI Elective	4	Gen Ed Lab Science	4	
HSS Elective	4	Gen Ed Behavioral Science	3	
Year 4				
COMP 4960 – Software Engineering	4			
COMP 5500 – Senior Project	4			
COMP Elective	4			
COMP Elective	4			
General Elective	4	CSC 156 Operating Systems Basics and Security	3	
HSS Elective	4	COM 103 Public Speaking and Professional Presentations	3	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement
		Gen Ed Social Science Elective	3	This additional course only brings HSS to 18 so still need 2 additional HSS credits at WIT
Total credits	**121**		**60**	

A-2: Mapping of A.S. Computer Science to B.S. Data Science

WIT course	WIT credits	Middlesex course (CS)	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4	CSC 151 Programming I	4	C++
COMP 1050 – Computer Science II	4	CSC 252 Programming II	4	Java
MATH 1550 – Foundations of Applied Mathematics	4			
MATH 2300 – Discrete Math	4			
MATH 1776/1777 – Calculus 1A/1B	4	MAT 290 Calculus I for Engineering and Science	4	
MATH 1876/1877 – Calculus 2A/2B	4	MAT 291 Calculus II for Engineering and Science	4	
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
FYS 1000 First Year Seminar	1			
Year 2				
COMP 2000 – Data Structures	4	CSC 258 Data Structures	4	
COMP 2350 – Algorithms	4			
COMP 3125 – Data Science Fundamentals	4			
MATH 2100 – Probability & Statistics for Engineers	4			
MATH 2200 – Advanced Statistics	4			
MATH 2860 – Linear Algebra & Matrix Theory	4	MAT 295 Linear Algebra	3	
HSS Elective	4	ETH 103 Technology and Society	3	PHIL 4501 Ethics
General Elective	4	CSC 156 Operating Systems Basics and Security	3	
Year 3				
COMP 2650 – Databases	4			
DATA 3010 – Data Mining	4			
MATH 2025 – Multivariable Calculus	4			
DATA Elective	4	CSC 255 Programming III	4	
General Elective	4			
HSS Elective	4	Gen Education Social Science	3	
Science Elective	4	Lab Science	4	
Science Elective	4	Lab Science	4	
Year 4				
DATA 5500 – Senior Project	4			
COMP/MATH 4050 – Machine Learning	4			
DATA Elective	4	CSC 202 Computer Organization/Assembly Language	4	As COMP 1200
DATA Elective	4			
DATA Elective	4			
HSS Elective	4	COM 103 Public Speaking and Professional Presentations	3	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement and this is 15 credits
		Gen Education Behavioral Science	3	This course placed here brings to 18 credits so 2 more credits needed at WIT
Total credits	**121**		**60**	

A-3: Mapping of A.S. Computer Science to B.S. Cybersecurity

WIT course	WIT credits	Middlesex course (CS)	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4	CSC 151 Programming I	4	
COMP 1050 – Computer Science II	4	CSC 252 Programming II	4	
COMP 1100 – Intro. to Networks	4			
CYBR 2500 – Security Principles	4			
MATH 2300 – Discrete Math	4	MAT 250 Discrete Math	3	
MATH 1776/1777 – Calculus 1A/1B	4	MAT 290 Calculus I for Engineering and Science	4	
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
FYS 1000 First Year Seminar	1			
Year 2				
COMP 1200 – Computer Organization	4	CSC 202 Computer Organization/Assembly Language	4	
COMP 2000 – Data Structures	4	CSC 258 Data Structures	4	
COMP 2150 – Network Administration	4			
COMP 2350 – Algorithms	4			
MATH 1876/1877 – Calculus 2A/2B	4	MAT 291 Calculus II for Engineering and Science	4	
MATH 2860 – Linear Algebra & Matrix Theory	4			
MGMT 2560 – Cybersecurity Law & Policy	4			
HSS Elective	4	ETH 103 Technology and Society	3	PHIL 4501 Ethics
Year 3				
COMP 3100 – System Administration	4			
COMP 3400 – Operating Systems	4			
CYBR 3550 – Computer Security	4			
CYBR 3500 – Network Security	4			
CYBR 3590 – Applied Cryptography	4			
MATH 2100 – Probability & Statistics for Engineers	4			
Math/Sci Elective	4	General Education Laboratory Science Elective	4	
HSS Elective	4	Gen Ed Behavioral Science	3	
Year 4				
CYBR 4500 – Offensive Security	4			
CYBR 4550 – Incident Response & Business Continuity	4			
CYBR 5500 – Senior Project	4			
Cybersecurity Elective	4			
Cybersecurity Elective	4	CSC 156 Operating Systems Basics and Security	3	
Math/Sci Elective	4	General Education Laboratory Science Elective	4	
HSS Elective	4	COM 103 Public Speaking and Professional Presentations	3	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement and only have 15 in this program so 5 credits needed at WIT in HSS
Free Elective	4	CSC 255 Programming III	3	
		Gen Ed Social Science Elective	3	This additional course only brings HSS to 18 so still need 2 additional HSS credits at WIT
Total credits	**129**		**59**	

A-4: Mapping of A.S. Computer Science to B.S. Applied Artificial Intelligence

WIT course	WIT credits	Middlesex course	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4	CSC 151 Programming I	4	
AAIN 1000 Introduction to Applied AI	4	CSC 111 Introduction to Generative AI	3	One of these *
MATH 2300 – Discrete Math	4	MAT 250 Discrete Math	0	One of these *
MATH 1825 Calculus for Computing and AI	4	MAT 291 Calculus II for Engineering and Science	4	
MATH 2825 Linear Algebra for Computing and AI	4	MAT 295 Linear Algebra	0	One of these *
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
Domain Elective	4	CSC 252 Programming II	4	COMP 1050 Computer Science II
FYS 1000 First Year Seminar	1			
Year 2				
AAIN 3000 Applications of AI	4			
PHIL 4525 AI Ethics	4	ETH 103 Technology and Society	3	
COMP 3125 Data Science Fundamentals	4			
MATH 2100 Probability & Stats for Engineers	4			
Domain Elective	4	CSC 255 Programming III	4	COMP/DATA/MATH Elective
HSS Elective	4	COM 103 Public Speaking and Professional Presentations	3	
Free Elective	4	CSC 156 Operating Systems Basics and Security	3	
Free Elective	4	MAT 290 Calculus I for Engineering and Science	4	
Year 3				
AAIN 3001 Foundations of Agentic Prompt Engineering	4			
CSAS 4000 Responsible Applications of Generative AI	4			
DATA 3333 Practical Deep Learning	4			
Domain Elective	4	CSC 202 Computer Organization/Assembly Language	4	COMP/DATA/MATH Elective
Domain Elective	4	CSC 258 Data Structures	4	COMP 2000 Data Structures
HSS Elective	4	Behavioral Science Elective	3	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement and only have 15 in this program so 5 credits needed at WIT in HSS
Free Elective	4	Lab Science II	4	
Science Elective	4	Lab Science I	4	
Year 4				
COMP 4726 Applied Large Language Models	4			
AAIN 5500 Senior Design	4			
HSS Elective	4	Social Science Elective	3	
Domain Elective	4			
Domain Elective	4			
Free Elective	4			
Total credits	**121**		**60**	

Domain Electives for Computing Track are:

- COMP 1050 – Computer Science II
- COMP 2000 – Data Structures
- MATH 2100 – Probability and Statistics for Engineers
- COMP 2350 – Algorithms
- COMP 4700 or COMP 5700 – Classical Artificial Intelligence
- MATH 4050 – Machine Learning
- COMP/Data/Math Elective (student-selected)
- COMP/Data/Math Elective (student-selected)

A-5: Mapping of A.S. Information Technology – Networking and User Support to B.S. Information Technology

WIT course	WIT credits	Middlesex course (IT-Networking)	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4			
COMP 1050 – Computer Science II	4			
COMP 1010 – Fundamentals of IT	4	NST 121 Computer Systems Fundamentals	4	
COMP 1100 – Intro. to Networks	4	NST 181 Networks I	3	
MATH 2300 – Discrete Math	4			
MATH 1500 – Pre-Calculus	4			
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
FYS 1000 First Year Seminar	1	IDS 101 – First Year Experience	1	
Year 2				
COMP 2010 – Systems Analysis and Design	4			
CYBR 2500 – Security Principles	4	ITC 281 Cybersecurity I	3	
COMP 1150 – Routing and Switching	4	NST 231 Networks II	3	
COMP 2160 – Wireless Networks	4			
COMP 2650 – Databases	4			
MATH 1030 – Statistics and Applications	4	MAT 177 Statistics	3	
HSS Elective	4	ETH 101 Ethics and Society	3	PHIL 4501 Ethics
Sci Elective	4	Science Elective with Lab	4	
Year 3				
Conc. 1 – COMP 2150 – Network Administration	4	NST 235 Networking III	4	
Conc. 2 – COMP 3100 – System Administration	4			
COMP 4650 – Web Development	4			
IT Elective	4	ITC 111 Scripting for Security	4	
General Elective	4			
General Elective	4	Science Elective	3	
General Elective	4	BUS 213 Business Communications or ITC 290 Information Technology Internship	3	
HSS Elective	4	ECO 140 or 150 Macro or Micro Economics	3	
Year 4				
COMP 4950 – Project Management	4			
COMP 5500 – Senior Project	4			
Conc. 3 – See below	4			
Conc. 4 – See below	4			
IT Elective	4	ITC 101 IT Support	3	
HSS Elective	4	COM 116 Interpersonal Communication	3	COMM 4210 Intro. to Communication Theory
		Humanities Elective	3	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement
		Behavioral Science Elective	3	Makes up credits needed to get to 20 HSS (ends up 21 credits)
Total credits	**121**		**59**	

Concentration Electives:

Select (1, 2) or (3, 4)

1. COMP 3510 Internet of Things
2. CYBR 3500 Network Security
3. DATA 3125 Data Science Fundamentals
4. COMP 3010 Software Devel & Management

A-6: Mapping of A.S. Information Technology – Cybersecurity to B.S. Information Technology

WIT course	WIT credits	Middlesex course (IT-Cyber)	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4			
COMP 1050 – Computer Science II	4			
COMP 1010 – Fundamentals of IT	4	NST 121 Computer Systems Fundamentals	4	
COMP 1100 – Intro. to Networks	4	NST 181 Networks I	3	
MATH 2300 – Discrete Math	4			
MATH 1500 – Pre-Calculus	4			
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
FYS 1000 First Year Seminar	1	IDS 1011 First Year Experience	1	
Year 2				
COMP 2010 – Systems Analysis and Design	4			
CYBR 2500 – Security Principles	4	ITC 281 – Cybersecurity I	3	
COMP 1150 – Routing and Switching	4	NST 231 Networks II	3	
COMP 2160 – Wireless Networks	4			
COMP 2650 – Databases	4	ITC 221 Database Systems and Security	4	
MATH 1030 – Statistics and Applications	4	MAT 177 Statistics	3	
HSS Elective	4	ETH 101 Ethics and Society	3	PHIL 4501 Ethics
Sci Elective	4	Science Elective with Lab	4	
Year 3				
Conc. 1 – COMP 2150 – Network Administration	4			
Conc. 2 – COMP 3100 – System Administration	4			
COMP 4650 – Web Development	4			
IT Elective	4	ITC 201 Virtualization and Cloud Computing Security	4	
General Elective	4	ITC 282 Cybersecurity II	3	
General Elective	4	ITC 240 Ethical Hacking	4	
General Elective	4	ITC 101 IT Support	3	
HSS Elective	4	Behavioral Science Elective	3	
Year 4				
COMP 4950 – Project Management	4			
COMP 5500 – Senior Project	4			
Conc. 3 – See below	4			
Conc. 4 – See below	4			
IT Elective	4	ITC 111 Scripting for Security	3	
HSS Elective	4	Social Science Elective	3	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement, and this program completes 15 credits so need 5 more at WIT
Total credits	**121**		**57**	

Concentration Electives:

Select (1, 2) or (3, 4)

1. COMP 3510 Internet of Things
2. CYBR 3500 Network Security
3. DATA 3125 Data Science Fundamentals
4. COMP 3010 Software Devel & Management

A-7: Mapping of A.S. Information Technology – Cybersecurity to B.S. Cybersecurity

WIT course	WIT credits	Middlesex course (IT-Cyber)	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4			
COMP 1050 – Computer Science II	4			
COMP 1100 – Intro. to Networks	4	NST 181 Networks I	3	
CYBR 2500 – Security Principles	4	ITC 281 Cybersecurity I	3	
MATH 2300 – Discrete Math	4			
MATH 1776/1777 – Calculus 1A/1B	4			
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
FYS 1000 First Year Seminar	1	IDS 101 – First Year Experience	1	
Year 2				
COMP 1200 – Computer Organization	4			
COMP 2000 – Data Structures	4			
COMP 2150 – Network Administration	4			
COMP 2350 – Algorithms	4			
MATH 1876/1877 – Calculus 2A/2B	4			
MATH 2860 – Linear Algebra & Matrix Theory	4			
MGMT 2560 – Cybersecurity Law & Policy	4			
HSS Elective	4	ETH 101 Ethics and Society	3	PHIL 4501 Ethics
Year 3				
COMP 3100 – System Administration	4			
COMP 3400 – Operating Systems	4			
CYBR 3550 – Computer Security	4			
CYBR 3500 – Network Security	4			
CYBR 3590 – Applied Cryptography	4			
MATH 2100 – Probability & Statistics for Engineers	4			
Math/Sci Elective	4	Science Elective with Lab	4	
HSS Elective	4			
Year 4				
CYBR 4500 – Offensive Security	4			
CYBR 4550 – Incident Response & Business Continuity	4			
CYBR 5500 – Senior Project	4			
Cybersecurity Elective	4	ITC 201 Virtualization and Cloud Computing Security	4	
Cybersecurity Elective	4	ITC 240 Ethical Hacking	4	
Math/Sci Elective	4			
HSS Elective	4	Social Science Elective	3	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement and only have 12 in this program so 8 credits needed at WIT in HSS
Free Elective	4	ITC 111 Scripting for Security	3	
Total credits	**129**		**28**	

A-8: Mapping of A.S. Digital Forensics to B.S. Cybersecurity

WIT course	WIT credits	Middlesex course (Dig. For.)	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4	CSC 151 Programming I	4	Approved Program Electives
COMP 1050 – Computer Science II	4	CSC 252 – Programming 2	4	Approved Program Electives
COMP 1100 – Intro. to Networks	4			
CYBR 2500 – Security Principles	4	ITS 281 – CyberSecurity 1	3	Approved Program Electives
MATH 2300 – Discrete Math	4			
MATH 1776/1777 – Calculus 1A/1B	4			
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
FYS 1000 First Year Seminar	1	IDS 101 – First Year Experience	1	
Year 2				
COMP 1200 – Computer Organization	4	CSC 202 – Computer Organization and Assembly Language	4	Approved Program Electives
COMP 2000 – Data Structures	4			
COMP 2150 – Network Administration	4			
COMP 2350 – Algorithms	4			
MATH 1876/1877 – Calculus 2A/2B	4			
MATH 2860 – Linear Algebra & Matrix Theory	4			
MGMT 2560 – Cybersecurity Law & Policy	4			
HSS Elective	4	ETH 103 Technology and Society	3	PHIL 4501 Ethics
Year 3				
COMP 3100 – System Administration	4			
COMP 3400 – Operating Systems	4			
CYBR 3550 – Computer Security	4			
CYBR 3500 – Network Security	4			
CYBR 3590 – Applied Cryptography	4			
MATH 2100 – Probability & Statistics for Engineers	4			
Math/Sci Elective	4			
HSS Elective	4	Gen Ed Behavioral Science	3	
Year 4				
CYBR 4500 – Offensive Security	4			
CYBR 4550 – Incident Response & Business Continuity	4			
CYBR 5500 – Senior Project	4			
Cybersecurity Elective	4	CSC 170 Digital Forensics 1	3	
Cybersecurity Elective	4	CSC 272 Digital Forensics 2	3	
Math/Sci Elective	4	SCI 130 Forensic Science	4	
HSS Elective	4	CRJ 112 Criminal Law	3	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement and only 15 met
Free Elective	4	CSC 188 Intro to Computer Security	3	
		CRJ 241 Criminal Investigation	3	This additional course brings the gen ed to 18 credits so 2 more needed at WIT
Total credits	**129**		**44**	

A-9: Mapping of A.S. Mathematics to B.S. Applied Mathematics

WIT course	WIT credits	Middlesex course (Math)	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4	CSC 151 Programming I	4	
COMP 1050 – Computer Science II	4			
MATH 1550 – Foundations of Applied Mathematics	4			
MATH 2300 – Discrete Math	4	MAT 250 Discrete Math	3	
MATH 1776/1777 – Calculus 1A/1B	4	MAT 290 Calculus I	4	
MATH 1876/1877 – Calculus 2A/2B	4	MAT 291 Calculus II	4	
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
FYS 1000 First Year Seminar	1	IDS 101 – First Year Experience	1	
Year 2				
MATH 2025 Multivariable Calculus	4	MAT 292 Calculus III	4	
MATH 2860 – Linear Algebra & Matrix Theory	4	MAT 295 Linear Algebra I	4	
MATH 2600 Differential Equations & Lin. Sys	4	MAT 298 Differential Equations	4	
MATH 2550 Transition to Advanced Math	4			
Science Elective	4	PHY 171 Physics I	4	
Science Elective	4	PHY 172 Physics II	4	
HSS Elective	4	Humanities Elective I	3	
Non-Tech Elective	4	Social Science Elective	3	
Year 3				
MATH 2100 Prob & Stats for Engineers	4	MAT 297 Probability and Stat for Scientists	3	
MATH 3900 Numerical Analysis I	4			
MATH 4050 Machine Learning	4			
MATH 2200 Advanced Statistics	4			
HSS Elective	4	Behavioral Science Elective	3	
Technical Elective	4			
Technical Elective	4			
Non-Tech Elective	4			
Year 4				
MATH 3700 Operations Research	4			
MATH 4900 Partial Differential Equations	4			
MATH 5000 Applied Math Final Year Design I	4			
Technical Elective	4			
Technical Elective	4			
HSS Elective	4	Humanities Elective II	3	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement and only have 15 in this program so 5 credits needed at WIT in HSS
Total credits	**121**		**57**	

A-10: Mapping of A.S. Mathematics to B.S. Data Science

WIT course	WIT credits	Middlesex course (Math)	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4	CSC 151 Programming I	4	
COMP 1050 – Computer Science II	4			
MATH 1550 – Foundations of Applied Mathematics	4			
MATH 2300 – Discrete Math	4	MAT 250 Discrete Math	3	
MATH 1776/1777 – Calculus 1A/1B	4	MAT 290 – Calculus I	4	
MATH 1876/1877 – Calculus 2A/2B	4	MAT 291 – Calculus II	4	
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
FYS 1000 First Year Seminar	1	IDS 101 – First Year Experience	1	
Year 2				
COMP 2000 – Data Structures	4			
COMP 2350 – Algorithms	4			
DATA 3125 – Data Science Fundamentals	4			
MATH 2100 – Probability & Statistics for Engineers	4	MAT 297 Probability and Stats for Engineers	3	
MATH 2200 – Advanced Statistics	4			
MATH 2860 – Linear Algebra & Matrix Theory	4	MAT 295 Linear Algebra	3	
HSS Elective	4	Behavioral Science Elective	3	
General Elective	4	Science Elective	4	
Year 3				
COMP 2650 – Databases	4			
DATA 3010 – Data Mining	4			
MATH 2025 – Multivariable Calculus	4	MAT 292 Calculus III	4	
DATA Elective	4			
General Elective	4	Science Elective	4	
HSS Elective	4	Humanities Elective	3	
Science Elective	4	PHY 171 Physics I	4	
Science Elective	4	PHY 172 Physics II	4	
Year 4				
DATA 5500 – Senior Project	4			
COMP/MATH 4050 – Machine Learning	4			
DATA Elective	4	MAT 298 Differential Equations	3	
DATA Elective	4			
DATA Elective	4			
HSS Elective	4	Humanities Elective II / Social Science Elective	6	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement and only have 15 in this program so 5 credits needed at WIT in HSS
Total credits	**121**		**63**	

A-11: Mapping of A.S. Mathematics to B.S. Applied Artificial Intelligence

WIT course	WIT credits	Middlesex course	Middlesex credits	Comment
Year 1				
COMP 1000 – Computer Science I	4	CSC 151 Programming I	4	
AAIN 1000 Introduction to Applied AI	4	CSC 111 Intro to Generative AI	3	
MATH 2300 – Discrete Math	4	MAT 250 Discrete Math	3	
MATH 1825 Calculus for Computing and AI	4	MAT 291 Calculus II for Engineering and Science	4	
MATH 2825 Linear Algebra for Computing and AI	4	MAT 295 Linear Algebra I	3	
ENGL 1100 – English I	4	ENG 101 English Composition I	3	
ENGL 2200 – English II	4	ENG 102 English Composition II	3	
Domain Elective	4	MAT 292 Calculus III for Engineering and Statistics	4	
FYS 1000 First Year Seminar	1	IDS 101 – First-year Experience	1	
Year 2				
COMP 3000 Applications of AI	4			
PHIL 4525 AI Ethics	4	ETH 103 Technology and Society	3	
DATA 3125 Data Science Fundamentals	4			
MATH 2100 Probability & Stats for Engineers	4	MAT 297 Probability and Statistics for Scientists	3	
Domain Elective	4	MAT 298 Differential Equations	3	
HSS Elective	4	Humanities Elective	3	
Free Elective	4	PHY 172 Physics for Engineering and	4	
Free Elective	4	MAT 290 Calculus I for Engineering and Science	4	
Year 3				
AAIN 3001 Foundations of Agentic Prompt Engineering	4			
CSAS 4000 Responsible Applications of Generative AI	4			
DATA 3333 Practical Deep Learning	4			
Domain Elective	4			
Domain Elective	4			
HSS Elective	4	Behavioral Science Elective	3	A minimum of 20 credits total, including English, humanities, and social science credit, is required to complete the HSS requirement and only have 15 in this program so 5 credits needed at WIT in HSS
Free Elective	4	Lab Science II	3	
Science Elective	4	PHY 171 Physics for Engineering and Science	4	
Year 4				
COMP 4726 Applied Large Language Models	4			
AAIN 5500 Senior Design	4			
Domain Elective	4			
Domain Elective	4			
Domain Elective	4			
Free Elective	4	Humanities Elective II and Social Science Elective	6	
Total credits	**121**		**64**	

Domain Electives for Computing Track are:

- COMP 1050 – Computer Science II
- COMP 2000 – Data Structures
- MATH 2100 – Probability and Statistics for Engineers
- COMP 2350 – Algorithms
- COMP 4700 or COMP 5700 – Classical Artificial Intelligence
- MATH 4050 – Machine Learning
- COMP/Data/Math Elective (student-selected)
- COMP/Data/Math Elective (student-selected)