CONCORDIA UNIVERSITY

WISCONSIN & ANN ARBOR

August 21, 2023

Gateway Technical College
Attention:
3520 30th Ave.
Kenosha, WI 53144

To Whom it May Concern:

Concordia University, Inc. (also known in previous agreements as Concordia University Wisconsin, Concordia University, and Concordia College), would like to officially sunset the following articulation agreements:

Agreement	Date of Original Signature
Gateway's Associate of Applied Science in IT-Data Analytics Specialist to Concordia University Inc.'s Bachelor of Arts in Business Analytics and Change Management	April 2022

We continue to very much value our partnership with Gateway Technical College, and look for additional ways to provide ease of transfer for students who complete their Associate's degree with Gateway to successfully transfer to Concordia University, Inc.

Respectfully,

Leah Dvorak

Leah Dvorak, Ph.D

Vice President for Academics
Chief Academic Officer
Concordia University, Inc.

12800 North Lake Shore Drive – Mequon, WI 53097-2402 | p 262.243.5700 | f 262.243.4351 |
cuw.edu
4090 Geddes Road – Ann Arbor, MI 48105-2750 | p 734.995.7300 | f 734.995.7506 | **cuaa.edu**

☒ New
☐ Renewal

STEM SCHOLARS PATHWAY

TRANSFER AGREEMENTS

GATEWAY TECHNICAL COLLEGE

And

CONCORDIA UNIVERSITY

This agreement applies to students completing associate's degrees at Gateway Technical College And entering Concordia University Wisconsin to complete Bachelor's degrees. All specific programs and transfer requirements are listed on pages 1 through 43.

PURPOSE

Students who successfully complete the program-specific degree of an Associate of Applied Science Programs at Gateway Technical College (Gateway) and who meet admission requirements at Concordia University (CUW) can earn a Bachelor's Degree at CUW by successfully completing two additional full-time years of study (or equivalent).

In particular, any Gateway student who

A) Successfully completes all courses in the specified programs at Gateway with a grade of D (1.7 out of 4.0) or better in each course, and

B) Meets the CUW admission requirements for transfer students into the specified program at CUW, with a cumulative GPA of 2.0 or greater for full acceptance, or with a GPA <2.0 if submitted with an appeal essay and individual candidate interview for consideration of acceptance on a conditional basis, shall be admitted with junior status into the specified program at CUW.

PROVISIONS

The following provisions specify the standard procedures and terms of this transfer agreement. Text in italics is intended to clarify the rationale behind the corresponding provision.
Non-compliance with any may result in the nullification of this transfer agreement.

Because these transfer agreement provisions are used in transfer agreements with several Wisconsin Technical College System (WTCS) colleges, the term "Technical College" will be used to refer to the specific WTCS college named at the beginning of this transfer agreement.

1. Each institution will obtain the express written approval for using the other institution's name in any promotional, advertising, and marketing media associated with this transfer agreement, with the exception that both institutions, by signing this agreement, acknowledge they may promote internally and externally the existence of this agreement between the institutions and for the benefit of each institution and its students. Any promotional literature or other media will indicate that the transfer is into the specified program at CUW. A specific person in each public relations department and a specific academic program person per institution will be designated for coordination and signoff, as listed on the "Institution-Specific Information" page in this transfer agreement. Guidelines for the use of Concordia University Wisconsin's name and/or logo are listed on the "Guidelines for use of Concordia University Wisconsin's name and/or logo" page in this transfer agreement.

The motivation for this provision is to ensure that each college complies with accreditation and institutional criteria in promotional, advertising, and marketing media.

2. An active agreement begins at the commencement of fall classes. The agreement must be actively reviewed by the program faculty of both colleges and renewed at least every two years to continue the agreement. Reasonable accommodations will be made for students if either program must be changed, but additional courses may be required of students if program changes occur. Students must be informed of this possibility "upfront."

   Both parties agree to provide at least one hundred eighty (180) days advance written notification of their intent to cancel this agreement. Gateway students who apply to CUW prior to the cancellation date will be permitted to transfer credits under the agreement terms. Both parties further agree that failure to maintain regional accreditation required by the specific academic program(s) referenced in this agreement will be grounds for exclusion of that program from the agreement.

This provision intends to recognize that changes in either or both of the two academic programs must be coordinated to accommodate the minimum two-year-long lag between when a student begins at the Technical College and begins at CUW. However, each institution must preserve the right to change its academic programs on a timely basis, such as due to an immediate change in accreditation requirements.

3. The specified program at CUW will be arranged so that the student who completes all of the Technical College courses specified in this agreement each year that the agreement is in force may enter the CUW program at the beginning of the subsequent academic year with junior status as outlined in this agreement. Exceptions to this clause are stated in provision 2. In the event that a Technical College student completes the specified courses over an extended period of time in excess of the standard full-time schedule, and during that time the specified courses and/or core curricula have changed, then reasonable efforts to accommodate this student in CUW will be made. However, junior status in the specified program at CUW is not guaranteed.

The intent of this provision is to promote curriculum stability yet to allow curriculum modifications that are required, such as per accreditation mandates.

4. Curriculum changes which impact the transfer agreement may not be enacted during the academic year in which the agreement is active unless both the Program Director of the program at CUW and the designated individual(s) in the corresponding transfer program at the Technical

2

College give their explicit consent, or unless curriculum changes are dictated by accreditation or institutional mandates. Minor revisions (such as course renumbering) are permitted but must be communicated to the other institution promptly via a memorandum of understanding. Curriculum changes that do not satisfy the transfer agreement provisions will nullify this transfer agreement.

This provision intends to protect the integrity of the transfer arrangements for transfer students. This provision should be superfluous. Curriculum changes should be enacted in concert with the yearly transfer agreement renewal process.

5. The Technical College will consent to the promotion of this transfer agreement by CUW personnel in the following event:
    - The Outreach Coordinator will connect directly with GTC faculty and staff to schedule in-class visits (virtual or otherwise) and to share with staff program & CUW updates.

CUW'S Outreach Coordinator will connect with Gateway's scheduling team (roomscheduling@gtc.edu) to reserve a table for campus visits, outside of the yearly transfer fair at Gateway Technical Campuses.

To connect directly with CUW students, currently enrolled or graduates, CUW's Outreach Coordinator will connect with the Director of Marketing and Communications.

Concordia University's Outreach Coordinator:
    - Ana Sanchez, 262-243-1814, ana.sanchez@cuw.edu.

6. Any formal presentations of this transfer agreement must be made by either Technical College representatives, who are approved by the individual designated on the "Institutional-Specific Information" page, or by CUW representatives who are knowledgeable of this transfer agreement. *See provision 1.*

This provision intends to ensure that the agreement is accurately communicated to interested parties.

7. The Technical College shall have access to appropriate electronic course materials (syllabi, exams, and laboratory manuals) representative of the first two years of the electronic courses in the pre-transfer agreement of the specified program. CUW shall have access to the actual exams and laboratory assignments given by the Technical College faculty to the students in electronic courses utilized in the transfer agreement. In the rare case that a faculty member does not cooperate with this provision, representative materials will be provided (see provision 11, also). Excessive denials of access to these materials may result in the non-renewal of this transfer agreement. Under no circumstances is either college allowed to reproduce these materials for distribution to anyone other than program faculty and administration involved with the courses in this transfer agreement, and accreditation agency visitors for reviewing while on a college's campus, without express written consent from the other college. In the event that permission to adapt (modify and use) CUW materials is granted, the materials must clearly be labeled with:

    Adapted from (name of work) © (year) CUW with permission of CUW.

Permission to use these materials begins with the signing of this transfer agreement and expires with the annual expiration of the transfer agreement.

The purpose of this access is to assist faculty from both colleges in developing and maintaining their coursework to ensure the equivalency and level of topical coverage for electronic courses utilized in the transfer agreement.

8. For the instruction of the designated transfer courses (see page 2), the Technical College will use faculty with at least one of the following: (a) an MS in a related field of study (as approved by CUW). (b) training as....A faculty member who meets the above-stated requirements will be designated as an "approved faculty" member.

9. The Technical College student must pass each course with a D or better in order for the course to receive transfer credit in the specified program at CUW. Any exceptions to this policy must be approved in writing by the program director at CUW. Under the condition that the student must retake one or more courses, the student is not guaranteed junior standing in the specified program at CUW.

This provision intends to allow an "early" course with a passing grade below a D to transfer if there is sufficient evidence in subsequent courses for which the course in the question is a prerequisite to warrant the exception.

10. The technical college and CUW shall cooperate on the assessment of student outcomes and develop a formal plan to ensure and improve the viability of this transfer agreement. The plan should include provisions whereby CUW may obtain samples of assessment materials to include graded examples of student writing, examinations, etc.

This provision intends to assess transfer student capabilities as they enter CUW and to satisfy the requirements of accreditation agencies. Also, the collection of this data will be useful for continuing the promotion of this transfer agreement.

11. CUW and the technical college desire to track the usage of the articulation agreements by students. If possible, CUW will send the technical college the total number of credits transferred from that technical college annually or other data that can be conveniently produced.
This provision intends to track the use of the agreement and it will help continue the promotion of the transfer agreement.

Institution-specific information

The purpose of this page is to provide information that is specific to each institution and is current as of the signing of this transfer agreement. Any changes to this information should be promptly communicated to the other institution.

At GTC:

Administrative person(s), title(s), phone number(s), and email address (es) directly responsible for the specified programs attached to this agreement:

- Mr. Raymond Koukari, Jr., Dean School of Manufacturing, Engineering, and Information Technology, 262-619-6712, koukarir@gtc.edu

Faculty, title(s), phone number(s), and email address (es) designated to sign off on curriculum changes:

- Mr. Robert Kaebisch, Program Chair, Civil Technology Faculty, 262-898-7474, kaebischr@gtc.edu
- Mr. Takis Kinis, Chair of all GTC IT programs and Information Technology Faculty, 262-564-2589, kinist@gtc.edu
- Mr. Steven Whitmoyer, Civil Technology Faculty. 262-898-7426, whitmoyers@gtc.edu

Person(s), title(s), phone number(s), and email address (es) designated to sign off on curriculum changes:

- Ms. Jaime Spaciel, Director of Career Pathways and Program Effectiveness, 262.564.3080, spacielj@gtc.edu

Person, title, phone number, and email address designated to approve individuals who will make formal presentations on the EET program:

- Mr. Raymond Koukari, Jr., Dean School of Manufacturing, Engineering, and Information Technology, 262-619-6712, koukarir@gtc.edu

Public relations/marketing and other person(s), title(s), phone number(s), and email address(es) designated for coordination and signoff of promotional materials:

- Ms. Kristin Gunia, Director, Marketing and Communications, 262-564-3044 GuniaK@gtc.edu

The website address for the institution: www.gtc.edu

At CUW:
Administrative person(s), title(s), phone number(s), and email address (es) directly responsible for the BACM program articulation agreement:

- Dr. Michael Uden, Vice Provost of Student Enrollment and Engagement, 262.243.2612, michael.uden@cuw.edu.

Faculty, title, phone number, and email address directly responsible for the EET program, including curriculum changes:

- Mr. John Fields, Assistant Professor of Business, 262.243.4204, john.fields@cuw.edu
- Dr. Matthew Hurttiene, Assistant Dean of the School of Business, matthew.hurttiene@cuw.edu
- Dr. Steven Montreal, Dean of the School of Arts and Science, Steven.Montreal@cuw.edu
- W. Clarke Griffin, EdD, MBA, CFBE, Assistant Dean of Undergraduate Programs – Batterman and Haab School of Business Walter.Griffin@cuw.edu
- Dr. Michael Litman, Department Chair-Computer Science, Michael.litman@cuw.edu

Public relations/marketing and other person(s), title(s), phone number(s), and email address(es) designated for coordination and signoff of promotional materials:

- Ms. Briena Jacob, Director of Marketing Strategy, 262.243.4390, briena.jacob@cuw.edu.

The website address for the institution: www.cuw.edu

Guidelines for use of Concordia University's name and/ or logo

The motivation for this addendum is to ensure that each college complies with accreditation and institutional criteria in all communication materials including, but not limited to, those generated or produced for marketing, advisement, and/ or legal purposes.

In an effort to meet standards set by our accreditation agencies, to minimize any confusion on the part of prospective or current students, and to protect the use of CUW's name and logo, it is imperative that use of or reference to our name or programs be limited to those deemed appropriate by CUW. As specified in the transfer agreement, CUW's Director of Marketing Strategy or the director's designee shall approve any and all narrative and graphic representation containing CUW's name, logo, or reference to our programs before it is published or distributed in any way.

To expedite the process of developing promotional or other communication materials before approval, the following minimum guidelines should be followed. Non-compliance will result in disapproval.

Any promotional literature or other media will indicate that the transfer, upon which this transfer agreement is based, is into the specified program at CUW.

Our preferred reference is Concordia University, however, the acronym CUW can be used after the first written occurrence of the full name in the same communication. Furthermore, CUW will be referred to as a university. In no instance shall CUW be referred to as a college or school.

In materials where the logo is needed, please contact the CUW director of marketing strategy for a specific format and file size. Many variations are available and will be provided based on the need.
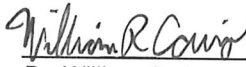
Given the absolute need to provide clarity as to the limitations of the transfer agreement and avoid potential misunderstandings, communication in the form of brochures, catalogs, letters, e-mail, posters, etc. must be carefully reviewed by CUW. CUW's logo may not appear on the cover of any literature unless approved by CUW.

A flyer can be developed by CUW that adequately describes the transfer agreement upon request. Contact the CUW marketing director or program director representative indicated on the institution-specific information page in this transfer agreement.

This signed agreement has been thoroughly reviewed and approved by both institutions.

This agreement is effective for two years from the date of the final signature.
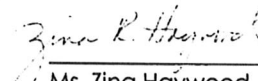
CONCORDIA UNIVERSITY

(signature) Date: 4-11-22
Dr. William Cario
Interim President

(signature) Date: 4/8/22
Dr. Michael Uden
Vice Provost, Student Enrollment & Engagement

GATEWAY TECHNICAL COLLEGE

(signature) Date: 3/10/2022
Dr. Bryan Albrecht
President

(signature) Date: 3/9/2022
Ms. Zina Haywood
Executive Vice President/Provost

Programs included in 2 +2 agreement as stated above:

Gateway Technical College	Concordia University Wisconsin	Page Number
Associate of Applied Science Architectural – Structural Engineering Technician	Bachelor of Arts in Construction and Trades Management	8
Associate of Applied Science Civil Engineering Technology – Highway Technology	Bachelor of Arts in Construction and Trades Management	11
Associate of Applied Science in IT-Data Analytics Specialist	Bachelor of Arts in Business Analytics and Change Management	14
Associate of Applied Science in IT-Data Analytics Specialist	Bachelor of Science in Business Analytics and Organizational Performance	17
Associate of Applied Science in IT-Cybersecurity Specialist	Bachelor of Arts in Applied Computer Science	20
Associate of Applied Science in IT-Cybersecurity Specialist	Bachelor of Science in Computer Science	23
Associate of Applied Science in IT-Network Specialist	Bachelor of Arts in Applied Computer Science	26
Associate of Applied Science in IT-Network Specialist	Bachelor of Science in Computer Science	29
Associate of Applied Science in IT-Web Software Developer	Bachelor of Arts in Applied Computer Science	32
Associate of Applied Science in IT-Web Software Developer	Bachelor of Science in Computer Science	35
Associate of Applied Science in IT- Web Software Developer	Bachelor of Arts in Applied Computer Science	38
Associate of Applied Science in IT- Web Software Developer	Bachelor of Science in Applied Computer Science	41

Note: Courses are offered in an accelerated/online; typically, students take one course at a time. However, to qualify for federal student aid, students must be enrolled at least half-time (or 6 credits) for Direct Loan Program funds.

Many students have more than the minimum 60 credits from GTC or another educational institution. CUW accepts up to 84 qualifying transfer credits. All students must have 120 credits to graduate. This plan is subject to change based on the number of qualified transfer credits.

GATEWAY TECHNICAL COLLEGE

Architectural – Structural Engineering Technician (AAS-ASET)

And

CONCORDIA UNIVERSITY

Bachelor of Arts in Construction and Trades Management (BA-CTM)

(reviewed pathway 21/22)

Topical Areas for Competencies Required for Admission into the CUW +2 BA-Construction and Trade Management Program (reviewed pathway 21/22)

CUW BA-Construction &Trade Mgmt. Course #'s   GTC AAS-Architectural-Structural Engineering Technician Course #'s

Major: CTM (48 credits total required by CUW)

CUW	GTC	
BCOM 247 Business Writing	801-197 Technical Reporting	3 crs.
CTM 200 Codes & Computer Const. Trades	614-108 Res Code	1 crs.
	614-114 Commer Code	2 crs.
CTM 210 Intro Const Mthds/Matls & Systems	607-104 Building Mat & Const. Methods	3 crs.
BUS 240 Project Management	607-136 Construct Project Mgt	2 crs.
	614-102 Const Project Mgt 2	1 crs.**
CTM 220 Architectural Design & Tech	607-187 3D Terrain	2 crs.
	614-150 3D CAD Info Modeling	1 crs.**
		15 credits Completed

Additional Core Requirements (30 credits total required by CUW)

CUW	GTC	
Communication & Language		
ENG 210 College Writing	801-136 English Comp.	3crs.
Society & Culture:	809-195 Economics,	3 crs.
Human Beings & Being Human (Social World):	809-198 Intro Psychology,	3 crs.
Human Creativity & Expression:	614-110 (Arch Drafting Residential,	3 crs.
		12 credits Completed

Elective Requirements (42 credits total required by CUW)
GTC course #'s

890-155	Gateway to Success	1
607-141 **OR** 607-103	Construction Basics or Intro to Civil Engineering and Architecture	2
804-135	Quantitative Reasoning	3
607-169	Surveying Basics	2
607-102	Conflict Resolution in CET	2
607-132	Structural Mechanics	3
607-170	AutoCAD for Construction Science	2
614-102**	Const Proj Management 2	1

607-128	Construction Estimating	3
607-129	Future Trends Civil/Arch Tech	2
607-148	Wood-Design & Detailing	1
614-150**	3D CAD: Building Info Modeling	1
607-134	Steel – Design & Detailing	2
614-140	Mechanical Systems for Buildings	3
607-135	Reinforced Concrete-Design & Detailing	2
614-107	Residential & Commercial Inspection	3
614-115	Architectural Drafting – Commercial	3
614-123	Capstone – Architectural Structural Tech	1
614-138	3D Modeling and Virtualization	1

38 credits completed
65 total credits

**Course 614-150 is a 2-credit course. However; in this agreement, 1 credit will fall under the major core, while the second credit will fall under an elective.
**Course 614-102 is a 2-credit course. However; in this agreement, 1 credit will fall under the major core, while the second credit will fall under an elective.

Concordia University's Course Listing (Draft)

Term 1

Faith Core Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Natural World – Science Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Elective Course	Online course	1 credits
		13 total credits

Term 2

Faith Core Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Comm & Language – Speech Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
		15 total credits

Term 3

Natural World – Mathematics BUS 315 Bus Stats	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Elective Course	Online course	3 credits
		15 total credits

Term 4

Society and Culture	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
		12 total credits

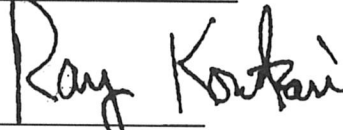|	
GTC Associates in Architectural/Structural Engineering Technology	**65 credits**
Concordia's Construction and Trade Management Degree	**55 credits**
Total	**120 credits**

This signed agreement has been thoroughly reviewed and approved by both institutions.

CONCORDIA UNIVERSITY

Dr. W. Clarke Griffin
Assistant Dean of Batterman and
Haab School of Business

GATEWAY TECHNICAL COLLEGE

Mr. Raymond Koukari, Jr.
Dean, School of Manufacturing
Engineering and Information Technology

GATEWAY TECHNICAL COLLEGE

Civil Engineering Technology – Highway Technology (AAS-CETHT)

And

CONCORDIA UNIVERSITY

Bachelor of Arts in Construction and Trades Management (BA-CTM)

(reviewed pathway 21/22)

Topical Areas for Competencies Required for Admission into the CUW +2 BA-Construction and Trade Management Program (reviewed pathway 21/22)

CUW BA-Construction &Trade Mgmt. Course #'s

GTC AAS-Civil Engineering Technology Highway Tech Course #'s

Major: CTM (48 credits total required by CUW)

CUW Courses	GTC Course	
BCOM 247 Business Writing	801-197 Technical Reporting	3 crs.
CTM 210 Intro Const Mthds/Matls & Systems	607-104 Building Mat & Const. Methods	3 crs.
BUS 240 Project Management	607-136 Construct Project Mgt	2 crs.
	614-102 Const Project Mgt 2*	1 crs.
CTM 220 Architectural Design & Tech	607-187 3D Terrain	2 crs.
	614-150 3D CAD Info Modeling**	1 crs.
		12 credits Completed

Additional Core Requirements (30 credits total required by CUW)

CUW Courses	GTC Course	
Communication & Language:		
ENG 210 College Writing	801-136 (English Comp.,	3 crs.
Society & Culture:	809-195 (Economics,	3 crs.
Human Beings & Being Human (Social World):	809-198 Intro Psychology,	3 crs.
Human Creativity & Expression:	607-170 (Auto CAD for Construction Science, 2 crs. OR	
	614-138 3D Modeling,	1 crs.
		12 credits Completed

Elective Requirements (42 credits total required by CUW)

GTC course #'s

890-155 Gateway to Success	1
607-141 Construction Basics or 607-104 Intro to Civil Engineering and Architecture	2
804-135 Quantitative Reasoning	3
607-169 Surveying Basics	2
607-102 Conflict Resolution in CET	2
607-132 Structural Mechanics	3
607-139 Material Testing and Inspection	4

607-128 Construction Estimating	3
614-150 3D CAD: Building Info Modeling	1
607-127 Civil Engineering Drafting	3
607-173 Surveying Fundamentals	3
607-189 Geospatial Data Processing	2
607-150 Survey Construction/Route/Highway	4
607-154 Sewer and Water Systems	2
607-166 Capstone: CET – Highway Technology	1
607-129 Future Trends in Construction Science	2
614-102 Construction Project Management 2	1
607-117 Geographical Info Systems	2

41 credits Completed
65 total credits

*Course 614-150 is a 2-credit course. However; in this agreement, 1 credit will fall under the major core, while the second credit will fall under an elective.
**Course 614-102 is a 2-credit course. However; in this agreement, 1 credit will fall under the major core, while the second credit will fall under an elective.

Concordia University's Course Listing (Draft)

Term 1

Faith Core Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Natural World – Science Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Elective Course	Online course	1 credits
		13 total credits

Term 2

Faith Core Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Comm & Language – Speech Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
		15 total credits

Term 3

Natural World – Mathematics BUS 315 Bus Stats	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
		15 total credits

Term 4

Society and Culture	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
Major Course	6 weeks	3 credits
		12 total credits

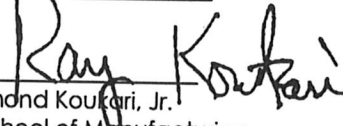|	
GTC Associates in Civil Engineering Technology - Highway Technology	65 credits
Concordia's Construction and Trade Management Degree	55 credits

Total   **120 credits**

This signed agreement has been thoroughly reviewed and approved by both institutions.

<u>**Concordia University**</u>

Dr. W. Clarke Griffin
Assistant Dean of Batterman and
Haab School of Business

<u>**Gateway Technical College**</u>

Mr. Raymond Koukari, Jr.
Dean, School of Manufacturing
Engineering and Information Technology

GATEWAY TECHNICAL COLLEGE

Associate of Applied Science in IT-Data Analytics Specialist (AAS-ITDAS)

And

CONCORDIA UNIVERSITY

Bachelor of Arts in Business Analytics and Change Management (BA-BACM)

(reviewed pathway 21/22)

Topical Areas for Competencies Required for Admission into the CUW +2 BA- Business Analytics & Change Management Program

CUW BA-Business Analytics & Change Management Course #'s

GTC AAS-IT- Data Analytics Specialist Course #'s

Major: Business Analytics & Change Management (57 credits total required by CUW, BUAN 415 Data Analytics: Integrative Project needs to be taken at CUW)

CUW:	GTC:	
DSAA 200 Intro to Data Science & Analytics	156-120 Programming in R.	3 crs.
CSC 200 Foundations of Programming	152-081 Programming in Python	3 crs.
CSC 430 Database Fundamentals	152-080 Databases	3 crs.
DSAA 310 Visual Analytics	156-125 Business Intelligence & Visualization	3 crs.
BUS 355 Management Info Systems	156-019 Intro to MIS	3 crs.
		15 credits Completed

Additional Core Requirements (30 credits total required by CUW)

CUW:	GTC:	
Communication & Language:		
ENG 210 College Writing	801-136 English Comp.	3crs.
COMM 112 Speech Communication	801-196 Oral/Interpersonal Communication	3 crs.
Natural World – Mathematics:		
BUS 315 Business Statistics	804-189 Statistics`	3 crs.
Society & Culture:		
ECON 222 Macroeconomics	809-195 Economics	3 crs.
Human Beings & Being Human:	809-198 Intro to Psychology	3 crs.
		15 credits Completed

Elective Requirements (33 credits total required by CUW)

GTC course #'s

156-018	Fundamentals of IT	3 credits
156-100	Data Analytics 1	3 credits
150-182	IoT: Connecting Devices	3 credits
150-194	Network Security	3 credits
804-135	Quantitative Reasoning	3 credits
156-101	Data Analytics 2	3 credits
150-115	IoT: Securing Devices	3 credits
801-197	Technical Reporting	3 credits
156-130	Data Analytics Capstone	3 credits

890-155	Gateway to Success	1 credit
Elective		3 credits

31 credits completed
61 total credits completed

Concordia University's Course Listing (Draft)

Term 1

Faith Core Course	3 credits
Major Course	3 credits
Natural World – Science Course	3 credits
Society and Culture Course	3 credits
Major Course	3 credits
	15 total credits

Term 2

Faith Core Course	3 credits
Major Course	3 credits
Major Course	3 credits
Human Creativity & Expression	3 credits
Major Course	3 credits
	15 total credits

Term 3

Major Course	3 credits
Major Course	3 credits
Major Course	3 credits
Major Course	3 credits
Major Course	3 credits
	15 total credits

Term 4

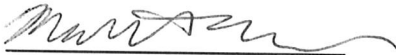|	
Major Course	3 credits
Major Course	3 credits
Major Course	3 credits
Elective Course	2 credits
BUAN 415 Data Analytics: Integrative Project (Major Course)	3 credits
	14 total credits

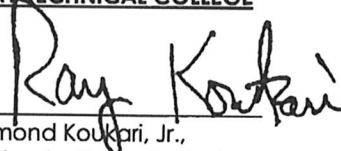|	
GTC Associates in IT -Data Analytics Specialist	61 credits
Concordia's Business Analytics and Change Management	59 credits
Total	**120 credits**

This signed agreement has been thoroughly reviewed and approved by both institutions.

CONCORDIA UNIVERSITY

Dr. Matthew Hurtienne
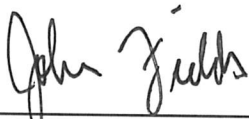Assistant Dean, School of Business

Mr. John Fields,
Program Director,
Business Analytics and Change Management

GATEWAY TECHNICAL COLLEGE

Mr. Raymond Koukari, Jr.,
Dean School of Manufacturing, Engineering, and
Information Technology

GATEWAY TECHNICAL COLLEGE

Associate of Applied Science in IT-Data Analytics Specialist (AAS- ITDAS)

And

CONCORDIA UNIVERSITY

Bachelor of Science in Business Analytics and Organizational Performance (BA-BAOP)

(reviewed pathway 21/22)

Topical Areas for Competencies Required for Admission into the CUW + 2 BS-BAOP

CUW   BS-BAOP   Bachelor of Science in Business Analytics and Organizational Performance

Gateway   AAS-ASET   Associate of Applied Science in IT-Data Analytics Specialist

Major Requirements: Business Analytics and Organizational Performance (39 credits required by CUW):

Gateway Course	CUW Course	
156-120 Programming in R	Intro to Data and Analytics	3 credits
152-081 Programming in Python	Coding I Fundamentals	3 credits
156-125 Business Intel and Visual	Visual Analytics	3 credits
152-080 Databases	Database Fundamentals	<u>3 credits</u>
		12 credits Completed

Business CORE Requirements

Gateway Course	CUW Course	
801-197 Technical Reporting	Business Essentials	3 credits
156-019 Intro to MIS	Management Info Systems	<u>3 credits</u>
		6 credits Completed

Additional Core Requirements (27 credits total required by CUW)

Gateway Course	CUW Course	
801-196 Oral/Interpersonal Comm	Public Speaking	3 credits
809-195 Economics	Macroeconomics	3 credits
804-189 Statistics	Business Statistics	3 credits
809-198 Psychology, Intro	Intro to Psych	3 credits
801-136 English Composition 1	College Writing	<u>3 credits</u>
		15 credits Completed

Elective Requirements (14 credits total required by CUW)

GTC	Course Name	Credits
890-155	Gateway to Success	1
156-018	Fundamentals of IT	3
150-182	IoT: Connecting Devices	3
150-194	Network Security	3
804-135	Quantitative Reasoning	3
156-100	Data Analytics 1	3
156-130	Data Analytics Capstone	3
156-101	Data Analytics 2	3
150-115	IoT: Securing Devices	3
	Elective Course	3

28 (14 needed) credits completed
47 Total credits complete

Concordia University's Course Listing (Draft)

Term 1

Faith Core Course	3 credits
Major Course	3 credits
Major Course	3 credits
Society/Citizenship & Culture	3 credits
Business CORE course	3 credits
	15 total credits

Term 2

Faith Core Course	3 credits
Science lab	4 credits
Major Course	3 credits
Major Course	3 credits
Business CORE course	3 credits
	16 total credits

Term 3

Major Course	3 credits
Major Course	3 credits
Major Course	3 credits
Business CORE course	3 credits
Business CORE course	3 credits
	15 total credits

Term 4

Business CORE Course	3 credits
Business CORE Course	3 credits
Business CORE course	3 credits
Business CORE course	3 credits
Human Creativity and Expression Course	3 credits
	15 total credits

Term 5

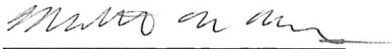|	
Business CORE course	3 credits
Business CORE course	3 credits
Business CORE course	3 credits
Major Course	3 credits
Major Course	3 credits
	15 total credits

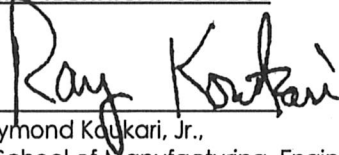|	
Gateway's Associate's Degree in IT-Data Analytics Specialist	**47 credits**
Concordia's Business Analytics and Organizational Performance	**76 credits**
Total	**123 credits**

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CONCORDIA UNIVERSITY

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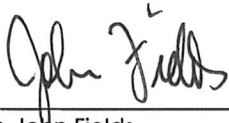Assistant Dean, School of Business

Mr. John Fields,
Program Director,
Business Analytics and Change Management

GATEWAY TECHNICAL COLLEGE

Mr. Raymond Koukari, Jr.,
Dean School of Manufacturing, Engineering, and
Information Technology

GATEWAY TECHNICAL COLLEGE

Associate of Applied Science in IT-Cybersecurity Specialist (AAS-ITCS)

And

CONCORDIA UNIVERSITY

Bachelor of Arts in Applied Computer Science (BA-ACS)

(reviewed pathway 21/22)

Topical Areas for Competencies Required for Admission into the CUW +2 BA-ACS

CUW   BA-ACS   Bachelor of Arts in Applied Computer Science

Gateway   AAS-ITCS Associate of Applied Science in IT-Cybersecurity Specialist

Major Core: Applied Computer Science (36 credits total required by CUW)

Gateway Course	CUW Course	
151-123 Cybersecurity	CSC 426 Cybersecurity	3 credits
		3 credits Completed

Transfer Core Requirements (30 credits total required by CUW)

Gateway Course	CUW Course	
809-196 Sociology	Society & Culture	3 credits
809-198 Psychology	Human Being and Being Human	3 credits
804-135 Quantitative Reasoning	Natural World – Mathematics	3 credits
801-136 English Composition 1	Comm. & Language	3 credits
		12 credits Completed

Elective Requirements (54 credits total required by CUW)
GTC course #'s

890-155	Gateway to Success	1
150-182	IoT: Connecting Devices	3
150-194	Network Security	3
150-114	Network Concepts – CCNA	3
150-106	Intrusion Detection Systems	3
150-150	Red Hat Enterprise Linux I	3
150-145	IT Scripting	3
150-115	IoT: Securing Devices	3
151-121	Cloud Data Security	3
151-130	Cisco Cyber Ops	3
151-131	Managing and Configuring Firewalls	3
801-197	Technical Reporting	3
150-151	Red Hat Enterprise Linux II	3
150-122	Computer Security/Pen Test	3
151-132	SOC: Monitor/Secure the Infrastructure	3
150-124	Routing – CCNA 2	3
150-119	Network Admin MS	3

49 credits completed
64 total credits Completed

Concordia University's Course Listing (Draft)

Semester 1

Faith Course	3 credits
Major Course	3 credits
Major Course	3 credits
Natural World – Science Course	3 credits
Major Course	3 credits
	15 total credits

Semester 2

Faith Course	3 credits
Communication & Language – Communication	3 credits
Major Course	3 credits
Major Course	3 credits
Major Course	3 credits
	15 total credits

Semester 3

Human Creativity & Expression Course	3 credits
Society & Culture Course	3 credits
Elective Course	3 credits
Major Course	3 credits
Major Course	3 credits
	15 total credits

Term 4

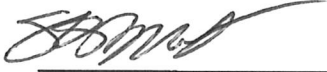|	
Elective Course	2 credit
Major Course	3 credits
Major Course	3 credits
Major Course (CSC 491 Capstone Project)	3 credits
	11 total credits

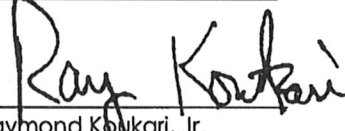|	
Gateway's Associates Degree in IT- Cybersecurity Specialist	**64 credits**
Concordia's Applied Computer Science	**56 credits**
Total	**120 credits**

This signed agreement has been thoroughly reviewed and approved by both institutions.

CONCORDIA UNIVERSITY
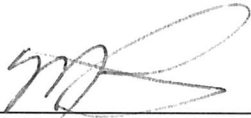
Dr. Steven Montreal
Dean, School of Arts and Sciences

Dr. Michael Litman
Department Chair
Computer Science

GATEWAY TECHNICAL COLLEGE

Mr. Raymond Koukari, Jr.
Dean, School of Manufacturing, Engineering, and
Information Technology

GATEWAY TECHNICAL COLLEGE

Associate of Applied Science in IT-Cybersecurity Specialist (AAS-ITCS)

And

CONCORDIA UNIVERSITY

Bachelor of Science in Computer Science (BS-CS)

(reviewed pathway 21/22)

Topical Areas for Competencies Required for Admission into the CUW + 2 BS-CS

CUW   BS-CS   Bachelor of Science in Computer Science

Gateway   AAS-ITCS   Associate of Applied Science in IT-Cybersecurity Specialist

Tech Core: Computer Science (36 credits total required by CUW)

Gateway Course	CUW Course	
150-114 Network Concepts –CCNA1	CSC 175 Theory & Fund CS	3 credits
150-145 IT Scripting	CSC 200 Coding Fund	3 credits
804-135 Quantitative Reasoning	CSC 410 Computer Dilemmas	3 credits
801-197 Technical Reporting	CSC 420 User Exp & Int Sys	3 credits
		12 credits Completed

Additional Transfer Core Requirements (31 credits total required by CUW)

Gateway Course	CUW Course	
809-196 Sociology	Society & Culture	3 credits
801-136 English Composition 1	Comm. & Language	3 credits
		6 credits Completed

Concentration (18 credits required by CUW)

Cyber Security Concentration

Gateway Course	CUW Course	
151-123 Cybersecurity	CSC 426 Cybersecurity	3 credits
151-121 Cloud Data Security	CSC 440 Networks & Security	3 credits
150-106 Intrusion Detect System	CSC 428 Penetration Test	3 credits
		9 credits Completed

Elective Requirements (21 credits CUW)

GTC course #'s

151-130	Cisco Cyber Ops.	3
151-131	Managing and Configuring Firewalls	3
151-122	Computer Security/Pen Test	3
151-132	SOC: Monitor/Secure the Infrastructure	3
890-155	Gateway to Success	1
150-182	IoT: Connecting Devices	3
150-194	Network Security	3
150-119	Network Admin MS-2019	3
150-115	IoT: Securing Devices	3
150-124	Routing – CCNA 2	3
809-198	Psychology-Introduction	3
150-150	Red Hat Enterprise Linux I	3
150-151	Red Hat Enterprise Linux II	3

37 credits Completed
62 total credits Completed

Concordia University's Course Listing (Draft)

Semester 1

Faith Course	3 credits
Tech Core Course	3 credits
Natural World Course - Science	4 credits
Communication and Language	3 credits
	13 total credits

Semester 2

Tech Core Course	3 credits
Society and Culture	3 credits
Tech Core Course	3 credits
Human Being and Being Human	3 credits
Tech Core Course	3 credits
	15 total credits

Semester 3

Human Creativity and Expression	3 credits
Tech Core Course	3 credits
Tech Core Course (Stats)	3 credits
Concentration Course	3 credits
Tech Core Course	3 credits
	15 total credits

Semester 4

Faith Course	3 credits
Tech Core Course (Capstone)	3 credits
Natural World Course - Math	3 credits
Concentration Elective	3 credits
Concentration Core (Internship)	3 credits
	15 total credits

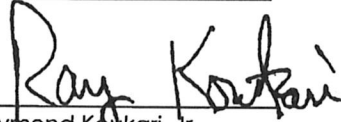|	
Gateway's Associates Degree in IT-Cybersecurity Specialist	**62 credits**
Concordia's Computer Science	**58 credits**
Total	**120 credits**

This signed agreement has been thoroughly reviewed and approved by both institutions.

CONCORDIA UNIVERSITY

_____
Dr. Steven Montreal
Dean, School of Arts and Sciences

_____
Dr. Michael Litman
Department Chair
Computer Science

GATEWAY TECHNICAL COLLEGE

_____
Mr. Raymond Koukari, Jr.
Dean, School of Manufacturing, Engineering, and
Information Technology

GATEWAY TECHNICAL COLLEGE

Associate of Applied Science in IT-Network Specialist (AAS-ITNS)

And

CONCORDIA UNIVERSITY

Bachelor of Arts in Applied Computer Science (BA-ACS)

(reviewed pathway 21/22)

Topical Areas for Competencies Required for Admission into the CUW +2 BA-ACS

CUW   BA-ACS   Bachelor of Art in Applied Computer Science

Gateway   AAS-ITNS Associate of Applied Science in IT-Network Specialist

Gateway Course	**CUW Course**	
107-193 IT Essentials	CSC 175 Theory & Fund	3 credits
150-194 Network Security	CSC 426 Cybersecurity	3 credits
150-181 Cloud Technologies	CSC 460 Adv Database & Development	3 credits
		9 credits Completed

Transfer Core Requirements (30 credits total required by CUW)

Gateway Course	**CUW Course**	
809-196 Sociology	Society & Culture	3 credits
809-198 Psychology	Human Being and Being Human	3 credits
804-135 Quantitative Reasoning	Natural World – Mathematics	3 credits
801-136 English Composition 1	Comm. & Language	3 credits
		12 credits Completed

Elective Requirements (54 credits total required by CUW)

890-155	Gateway to Success	1
107-011	IT in Business	3
150-114	Network Concepts – CCNA 1	3
150-182	IoT: Connecting Devices	3
150-119	Network Admin MS 1 2019	3
150-145	IT Scripting	3
150-120	Network Admin MS 2 2019	3
150-124	Routing – CCNA 2	3
801-197	Technical Reporting	3
150-150	Red Hat Enterprise Linux I	3
150-183	VCP – Virtualization	3
150-136	Server Technologies	3
107-013	IT Job Skills	1
150-151	Red Hat Enterprise Linux II	3
Additional credit	150-181 Cloud Technologies	1

39 credits
60 total credits

Course 150-181 is a 4-credit course. However; in this agreement, 3 credit will fall under the major core, while one credit will fall under an elective.

Concordia University's Course Listing (Draft)

Semester 1

Faith Course	3 credits
Major Course	3 credits
Major Course	3 credits
Natural World – Science Course	3 credits
Elective Course	3 credits
	15 total credits

Semester 2

Faith Course	3 credits
Communication & Language – Communication	3 credits
Elective Course	3 credits
Major Course	3 credits
Major Course	3 credits
	15 total credits

Semester 3

Human Creativity & Expression Course	3 credits
Society & Culture Course	3 credits
Elective Course	3 credits
Major Course	3 credits
Major Course	3 credits
	15 total credits

Semester 4

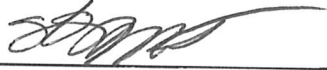|	
Elective Course	3 credit
Elective Course	3 credits
Major Course	3 credits
Major Course	3 credits
Major Course (CSC 491 Capstone Project)	3 credits
	15 total credits

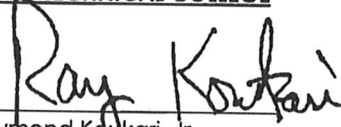|	
Gateway's Associates Degree in IT-Network Specialist	**60 credits**
Concordia's Applied Computer Science	**60 credits**
Total	**120 credits**

This signed agreement has been thoroughly reviewed and approved by both institutions.

CONCORDIA UNIVERSITY

Dr. Steven Montreal
Dean, School of Arts and Sciences

Dr. Michael Litman
Department Chair
Computer Science

GATEWAY TECHNICAL COLLEGE

Mr. Raymond Koukari, Jr.
Dean, School of Manufacturing, Engineering, and
Information Technology

GATEWAY TECHNICAL COLLEGE

Associate of Applied Science in IT-Network Specialist (AAS-ITNS)

And

CONCORDIA UNIVERSITY

Bachelor of Science in Computer Science (BS-CS)

(reviewed pathway 21/22)

Topical Areas for Competencies Required for Admission into the CUW +2 BS-CS

CUW   BS-CS   Bachelor of Science Computer Science

Gateway   AAS-ITNS Associate of Applied Science in IT-Network Specialist

Tech Core: Computer Science (36 credits total required by CUW)

Gateway Course	CUW Course	
107-193 IT Essentials	CSC 175 Theory &Fund CS	3 credits
150-181 Cloud Technologies	CSC 460 Adv. Data & WebD	3 credits
150-145 IT Scripting	CSC 200 Coding I Fund	3 credits
804-135 Quantitative Reasoning	CSC 410 Computer Dilemma	3 credits
801-197 Technical Reporting	CSC 420 User Exper & Int Sy	3 credits
		15 credits Completed

Additional Transfer Core Requirements (31 credits total required by CUW)

Gateway Course	CUW Course	
809-196 Sociology	Society & Culture	3 credits
801-136 English Composition 1	Comm. & Language	3 credits
		6 credits Completed

Concentration (18 credits required by CUW)

Cyber Security Concentration or Information Systems

Gateway Course	CUW Course	
150-194 Network Security	CSC 426 Cybersecurity	3 credits
150-114 Network Concepts	CSC 440 Networks & Security	3 credits
		6 credits Completed

Elective Requirements

150-119	Network Admin MS I 2019	3
150-120	Network Admin MS II 2019	3
150-124	Routing CCNA	3
150-150	Red Hat Enterprise Linux I	3
150-183	VCP – Virtualization	3
150-136	Server Technologies	3
890-155	Gateway to Success	1
107-011	IT in Business	3

150-182	IoT: Connecting Devices	3
150-151	Red Hat Enterprise Linux II	3
107-013	IT Job Skills	1
809-198	Intro to Psychology	3
150-181	Cloud Technologies	1

33 credits
60 total credits

Course 150-181 is a 4-credit course. However; in this agreement, 3 credit will fall under the major core, while one credit will fall under an elective.

Concordia University's Course Listing (Draft)

Semester 1

Faith Core Course	3 credits
Tech Core Course	3 credits
Natural World Course - Math	3 credits
Concentration Course	3 credits
Society & Culture Course	3 credits
	15 total credits

Semester 2

Human Beings and Being Human	3 credits
Tech Core Course (Stats)	3 credits
Communication and Language	3 credits
Concentration Course	3 credits
Concentration Elective Course	3 credits
	15 total credits

Semester 3

Faith Course	3 credits
Tech Core Course	3 credits
Tech Core Course	3 credits
Natural World Course - Science	4 credits
Elective Course	2 credits
	15 total credits

Semester 4

Human Creativity and Expression	3 credits
Tech Core Course	3 credits
Tech Core Course	3 credits
Tech Core Course	3 credits
Concentration Course (Internship)	3 credits
	15 total credits

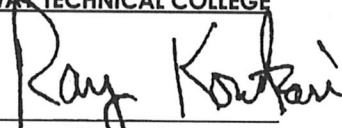|	
Gateway's Associates Degree in read IT-Web Software Developer	**60 credits**
Concordia's Computer Science	**60 credits**
Total	**120 credits**

This signed agreement has been thoroughly reviewed and approved by both institutions.

CONCORDIA UNIVERSITY

Dr. Steven Montreal
Dean, School of Arts and Sciences

Dr. Michael Litman
Department Chair
Computer Science

GATEWAY TECHNICAL COLLEGE

Mr. Raymond Koukari, Jr.
Dean, School of Manufacturing, Engineering, and
Information Technology

GATEWAY TECHNICAL COLLEGE

Associate of Applied Science in IT-Web Software Developer (AAS-ITWSD)

And

CONCORDIA UNIVERSITY

Bachelor of Arts in Applied Computer Science (BA-ACS)

(reviewed pathway 21/22)

Topical Areas for Competencies Required for Admission into the CUW +2 BA-ACS

CUW   BA-ACS Bachelor of Arts in Applied in Computer Science

Gateway   AAS-IT WSD Associate of Applied Science in IT-Web Software Developer

Major Core: Applied Computer Science (36 credits total required by CUW)

Gateway Course	CUW Course	
152-182 Web Programming I	CSC 175 Theory &Fund CS	3 credits
152-081 Programming in Python	CSC 200 Coding I-Fund	3 credits
152-184 Java Programming I	CSC 250 Coding II Alg	3 credits
152-174 Java Programming 2	CSC 300 Coding III–Data	3 credits
152-178 Dev ASP.NET web apps	CSC 370 Software Engineer	3 credits
152-080 Databases	CSC 430 Database Fund	<u>3 credits</u>
		18 credits Completed

Transfer Core Requirements (30 credits total required by CUW)

Gateway Course	CUW Course	
809-195 Economics	Society & Culture	3 credits
809-198 Psychology	Human Being and Being Human	3 credits
804-135 Quantitative Reasoning OR		
804-115 OR		
College Tech Math:	Natural World – Mathematics	3 credits
801-136 English Composition 1	Comm. & Language	<u>3 credits</u>
		12 credits Completed

Elective Requirements (54 credits total required by CUW)

890-155	Gateway to Success	1
152-082	Web Developer Orientation	1
152-097	JavaScript	3
152-188	PHP Web Programming	3
152-150	Web Programming 2	3
152-185	Advanced PHP	3
801-197	Technical Reporting	3
Elective		3
152-096	Developing ASP.NET Web Apps 2	3
152-083	Web Developer Project	3
152-164	Mobile Device Programming	3
Elective		3

32 credits
62 total credits

Concordia University's Course Listing (Draft)

Semester 1

Faith Course	3 credits
Major Course	3 credits
Elective Course	3 credits
Natural World – Science Course	3 credits
Elective Course	3 credits
	15 total credits

Semester 2

Faith Course	3 credits
Communication & Language – Communication	3 credits
Major Course	3 credits
Elective Course	3 credits
Elective Course	3 credits
	15 total credits

Semester 3

Human Creativity & Expression Course	3 credits
Society & Culture Course	3 credits
Elective Course	3 credits
Elective Course	3 credits
Major Course	3 credits
Elective Course	1 credits
	16 total credits

Term 4

Elective Course	3 credit
Major Course	3 credits
Major Course	3 credits
Major Course (CSC 491 Capstone Project)	3 credits
	12 total credits

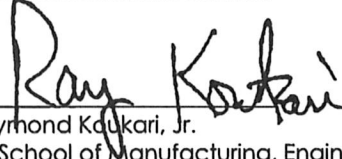|	
Gateway's Associates Degree in IT- Software Developer	**62 credits**
Concordia's Applied Computer Science	**58 credits**
Total	**120 credits**

This signed agreement has been thoroughly reviewed and approved by both institutions.

CONCORDIA UNIVERSITY
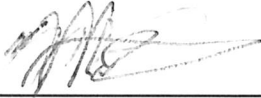
Dr. Steven Montreal
Dean, School of Arts and Sciences

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Department Chair
Computer Science

GATEWAY TECHNICAL COLLEGE

Mr. Raymond Koukari, Jr.
Dean, School of Manufacturing, Engineering, and
Information Technology

GATEWAY TECHNICAL COLLEGE

Associate of Applied Science in IT-Web Software Developer (AAS-ITWSD)

And

CONCORDIA UNIVERSITY

Bachelor of Science in Computer Science (BS-CS)

(reviewed pathway 21/22)

Topical Areas for Competencies Required for Admission into the CUW +2 BS-CS

CUW   BS-SCS   Bachelor of Science in Computer Science

Gateway   AAS-IT WSD Associate of Applied Science in IT-Web Software Developer

Tech Core: Computer Science (36 credits total required by CUW)

Gateway Course	CUW Course	
152-182 Web Programming I	CSC 175 Theory &Fund CS	3 credits
152-081 Programming in Python	CSC 200 Coding I-Fund	3 credits
152-184 Java Programming I	CSC 250 Coding II Alg	3 credits
152-178 Dev ASP.NET web apps	CSC 370 Software Engineer	3 credits
152-080 Databases	CSC 430 Database Fund	3 credits
801-197 Technical Reporting	CSC 420 User Exp&Int Sys	3 credits
804-135 Quantitative Reasoning	CSC 410 Computer Dilemmas	3 credits
		21 credits Completed

Additional Transfer Core Requirements (31 credits total required by CUW)

Gateway Course	CUW Course	
809-195 or 809-143 Econ/Micro	Society & Culture	3 credits
801-136 English Composition 1	Comm. & Language	3 credits
		6 credits Completed

Concentration (18 credits required by CUW)
AI Robotics or Software Engineering

Gateway Course	CUW Course	
152-174 Java Program II	CSC 300 Coding III-Data	3 credits
		3 credits Completed

Elective Requirements

152-082	Web Developer Orientation	1
152-097	JavaScript	3
152-188	PHP Web Programming	3
152-150	Web Programming II	3
152-185	Advanced PHP	3
152-096	Develop APS.NET Web Apps II	3

152-083	Web Developer Project	3
152-164	Mobile Device Programming	3
890-155	Gateway to success	1
809-196	Psychology	3
	Elective course	3
	Elective course	3

32 credits
62 total credits

Concordia University's Course Listing (Draft)

Semester 1
Faith Core Course	3 credits
Tech Core Course	3 credits
Natural World Course	3 credits
Concentration Course	3 credits
Elective Course	3 credits
	15 total credits

Semester 2
Math 205	3 credits
Phil 211	3 credits
Tech Core Course	3 credits
Public Speaking	3 credits
Concentration Course	3 credits
	15 total credits

Semester 3

Faith Course	3 credits
Tech Core Course	3 credits
Natural World Course	4 credits
Concentration Course	3 credits
	13 total credits

Term 4
Human Creativity and Expression	3 credits
Tech Core Course	3 credits
Concentration Course	3 credits
Concentration Course	3 credits
Society & Culture Course	3 credits
	15 total credits

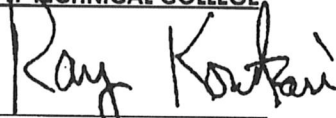|	
Gateway's Associates Degree in IT-Web Software Developer	**62 credits**
Concordia's Computer Science	**58 credits**
Total	**120 credits**

This signed agreement has been thoroughly reviewed and approved by both institutions.

CONCORDIA UNIVERSITY

Dr. Steven Montreal
Dean, School of Arts and Sciences

Dr. Michael Litman
Department Chair
Computer Science

GATEWAY TECHNICAL COLLEGE

Mr. Raymond Koukari, Jr.
Dean, School of Manufacturing, Engineering, and
Information Technology

GATEWAY TECHNICAL COLLEGE

Associate of Applied Science in IT- Software Developer (AAS-ITSD)

And

CONCORDIA UNIVERSITY

Bachelor of Arts in Applied Computer Science (BA-ACS)

(reviewed pathway 21/22)

This agreement applies to students entering the Gateway Technical College AAS-ITSD program Spring 2021 or later and entering the CUW+2 BA-ACS program Spring 2021 or later.

Topical Areas for Competencies Required for Admission into the CUW +2 BA-ACS

CUW   BA-ACS   Bachelor of Arts in Applied Computer Science

Gateway   AAS-IT SD Associate of Applied Science in IT- Software Developer

Tech Core: Applied Computer Science (36 credits total required by CUW)

Gateway Course	CUW Course	
152-164 Mobile Device Programming	CSC 250 Coding II Alg	3 credits
		3 credits Completed

Additional Transfer Core Requirements (30 credits total required by CUW)

Gateway Course	CUW Course	
809-195 Economics	Society & Culture	3 credits
809-198 Psychology	Human Being and Being Human	3 credits
804-135 Quantitative Reasoning OR		
804-115 OR College Tech Math:	Natural World – Mathematics	3 credits
801-136 English Composition 1	Comm. & Language	3 credits
		12 credits Completed

Electives (need 54 from CUW)

890-155	Gateway to Success	1
107-011	IT in Business	3
152-126	Intro to Prog. & Database Concepts	4
152-105	IBM Enterprise Systems Concepts	2
152-133	IBM Control Language	2
152-141	Java Programming – IBM Systems	3
152-145	Internet Programming	3
152-151	Micro Computer Prog. Advanced	3
801-197	Technical Reporting	3
152-122	Computer Programming RPG/IV	3
152-168	IBM and .NET Enterprise Programming	3
152-093	IBM Advanced Java Programming	3
Elective		3
152-125	Computer Program, RPG/IV (ILE) Adv.	3

152-131	Systems Design/ Development	3
152-167	Zend (PHP) Application Programming	3
152-158	DB2/UDB Programming	3

48 credits
63 total credits

Concordia University's Course Listing (Draft)

Semester 1

Faith Course	3 credits
Major Course	3 credits
Major Course	3 credits
Natural World – Science Course	3 credits
Major Course	3 credits
	15 total credits

Semester 2

Faith Course	3 credits
Communication & Language – Communication	3 credits
Major Course	3 credits
Major Course	3 credits
Major Course	3 credits
	15 total credits

Semester 3

Human Creativity & Expression Course	3 credits
Society & Culture Course	3 credits
Elective Course	3 credits
Major Course	3 credits
Major Course	3 credits
	15 total credits

Term 4

Elective Course	3 credit
Major Course	3 credits
Major Course	3 credits
Major Course (CSC 491 Capstone Project)	3 credits
	12 total credits

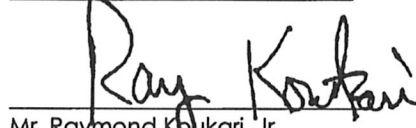|	
Gateway's Associates Degree in IT- Software Developer	**63 credits**
Concordia's Applied Computer Science	**<u>57 credits</u>**
Total	**120 credits**

This signed agreement has been thoroughly reviewed and approved by both institutions.
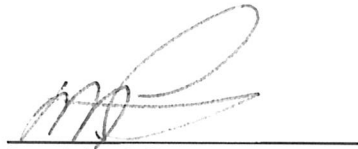
CONCORDIA UNIVERSITY

Dr. Steven Montreal
Dean, School of Arts and Sciences

Dr. Michael Litman
Department Chair
Computer Science

GATEWAY TECHNICAL COLLEGE

Mr. Raymond Koukari, Jr.
Dean, School of Manufacturing, Engineering, and
Information Technology

GATEWAY TECHNICAL COLLEGE

Associate of Applied Science in IT- Software Developer (AAS-ITSD)

And

CONCORDIA UNIVERSITY

Bachelor of Science in Applied Computer Science (BS-CS)

(reviewed pathway 21/22)

This agreement applies to students entering the Gateway Technical College AAS-ITSD program Spring 2021 or later and entering the CUW+2 BS-CS program Spring 2021 or later.

Topical Areas for Competencies Required for Admission into the CUW +2 BS-CS

CUW   BS-CS   Bachelor of Science in Computer Science

Gateway   AAS-IT SD Associate of Applied Science in IT- Software Developer

Tech Core: Computer Science (36 credits total required by CUW)

Gateway Course	CUW Course	
152-145 Internet Programming	CSC 175 Theory &Fund CS	3 credits
152-126 Intro to Prog & Data Conc	CSC 200 Coding I-Fund	3 credits
152-141 Java Programming-IBM	CSC 250 Coding II Alg	3 credits
152-131 Systems Design/Develop	CSC325 Computer Archit.	3 credits
152-168 IBM & .NET Enter Program	CSC 370 Software Engineer	3 credits
152-158 DB2/UDB Programming	CSC 430 Database Fund	3 credits
152-167 Zend (PHP) App. Prog.	CSC 460 Adv. Data/Web Dv	3 credits
801-197 Technical Reporting	CSC 420 User Exp&Int Sys	3 credits
804-135 Quantitative Reasoning	CSC 410 Computer Dilemma	3 credits
		27 credits Completed

Additional Transfer Core Requirements (31 credits total required by CUW)

Gateway Course	CUW Course	
809-195 or 809-143 Micro/Macro Econ	Society & Culture	3 credits
801-136 English Composition 1	Comm. & Language	3 credits
		6 credits Completed

Concentration (18 credits required by CUW)

AI Robotics or Software Engineering

Gateway Course	CUW Course	
152-151 Micro Computer Prog Adv	CSC 300 Coding III-Data	3 credits
		3 credits Completed

Electives

152-093	IBM Advanced Java Prog	3
152-164	Mobile Device Programming	3
152-105	IBM Enterprise System Concepts	2
152-133	IBM Control Language	2
152-122	Computer Programming RPG/IV	3
152-125	Computer Programming RPG/IV Adv	3

890-155	Gateway to success	1
107-011	IT in Business	3
152-126	Intro to Prog & Database Concepts	1
	Elective Course	3
809-198	Intro to Psychology	3

27 credits
63 total credits

Course 152-126 is a 4-credit course. However; in this agreement, 3 credit will fall under the major core, while one credit will fall under an elective

Concordia University's Course Listing (Draft)

Semester 1

Faith Core Course	3 credits
Tech Core Course	3 credits
Natural World Course	3 credits
Concentration Course	3 credits
Elective Course	3 credits
	15 total credits

Semester 2

Math 205	3 credits
Phil 211	3 credits
Elective Course	2 credits
Public Speaking	3 credits
Concentration Course	3 credits
	14 total credits

Semester 3

Faith Course	3 credits
Tech Core Course	3 credits
Elective Course	3 credits
Concentration Course	3 credits
	12 total credits

Term 4

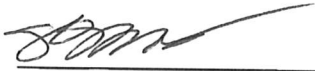|	
Human Creativity and Expression	3 credit
Natural World Course	4 credits
Concentration Course	3 credits
Concentration Course	3 credits
Society & Culture Course	3 credits
	16 total credits

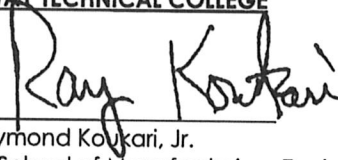|	
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Total	**120 credits**

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