

## **Transfer Agreement**

Between

**University of Wisconsin-Stevens Point, Department of Computing and New Media Technologies**

And

**Northcentral Technical College Associate Degree Program in IT – Software Developer  
Program to Program Articulation Agreement**

### **Rationale:**

The main purpose of this agreement is to provide a smooth transfer of credit from a relevant Northcentral Technical College (NTC) two-year Associate Degree in IT – Software Developer to a four-year Bachelor of Science in Computer Information Systems major, Application Development and Support option program at University of Wisconsin-Stevens Point (UWSP).

The NTC two-year curriculum, in providing students with solid foundational technical skills and project experiences in software development, corresponds appropriately with UW-Stevens Point foundational curriculum in computer information systems.

The following equivalent credits will be awarded to NTC students who have earned the Associate Degree in IT – Software Developer (major) upon entry to the UWSP College of Letters and Science, Computer Information Systems (major), Application Development and Support option.

### **Terms of the Agreement:**

**Effective date of the agreement:** January 1, 2019

**Date the agreement will be reviewed/updated:** January 1, 2024

1. Associate Degree graduates must have earned a minimum grade point average of 2.50 in their occupational courses. An ineligible candidate may appeal for consideration through the Chair of Computing and New Media Technologies Department.
2. The acceptance of credits applies only to this Program-to-Program articulation.
3. For acceptance of equivalent courses, NTC courses must have been completed within the last 5 years. Beyond this period of time, course equivalents will be assessed on an individual basis.
4. This agreement is subject to review if either NTC or UWSP undergoes curriculum revision OR within five years of the origination of this agreement, whichever occurs earlier.

**Table 1: Articulated Relevant Software / Application Development Courses and Credit Transfer Equivalency**

Northcentral Technical College			UWSP Computing and New Media Technologies			
General Education Courses						
Course number	Course Name	Credits	Course number	Course Name	Credits	Notes
10-801-196	Oral/Interpersonal Communications	3	COMM EL	Elective	3	GEP: Social Sciences
10-801-195 OR 10-801-136	Written Communication OR English Composition 1	3	ENGL 101	Freshman English	3	GEP: Written Communication
10-804-189	Introductory Statistics	3	MATH 355	Elementary Statistical Methods	3	GEP: Quant. Literacy
10-809-199 OR 10-809-198	Psychology of Human Relations OR Intro to Psychology	3	PSYC EL OR PSYC 110	Elective OR Introduction to Psychology	3	GEP: Social Sciences
10-809-166	Intro to Ethics: Theory & App	3	PHIL 101	Introduction to Ethics in Society	3	GEP: Humanities
10-804-133	Math & Logic	3		No degree credit		
Courses in the Major						
Course number	Course Name	Credits	Course number	Course Name	Credits	Notes
10-152-223	User Experience Design	3	WD 201	Interaction Design	3	
10-152-331	Data Concepts	3	CIS 210	Database Design and Implementation	3	
10-152-500	IT Development and Design Fundamentals	1	WD 201	Interaction Design	1	
10-152-501	Programming Concepts A	1	CNMT 100	Principles of Computing	1	
10-152-502	Programming Concepts B	1	CNMT 100	Principles of Computing	1	
10-152-503	Programming Concepts C	1	CNMT 100	Principles of Computing	1	
10-152-211	Web Design I	3	CNMT 210	Web Design and Development I	3	
10-152-332	Database Design and SQL	3	CIS 210	Database Design and Implementation	1	
			CIS 1XXT	CIS elective	2	
10-152-391	Collaborative Application Development	3	CIS 2XXT	CIS elective	3	
10-152-504	Object - Oriented Programming A	1	CNMT 110	Object-Oriented Programming	1	
10-152-505	Object - Oriented Programming B	1	CNMT 110	Object-Oriented Programming	1	
10-152-506	Object - Oriented Programming C	1	CNMT 110	Object-Oriented Programming	1	
10-152-510	Advanced .Net Programming A	1	CNMT 110	Object-Oriented Programming	1	
10-152-511	Advanced .Net Programming B	1	CIS 2XXT	CIS elective	1	
10-152-512	Advanced .Net Programming C	1	CIS 2XXT	CIS elective	1	
10-152-310	Client-Side Web Development 1	3	CNMT 210	Web Design and Development I	1	
			WD 211	Web Design and Development II	2	
10-152-333	Advanced Data Management	3	CIS 2XXT	CIS elective	3	
10-152-392	Software Architecture	3	CIS 220	Systems Analysis and Design	3	

10-152-507	Object - Oriented Design A	1	CIS 220	Systems Analysis and Design	1	
10-152-508	Object - Oriented Design B	1	CIS 2XXT	CIS elective	1	
10-152-509	Object - Oriented Design C	1	CIS 2XXT	CIS elective	1	
10-152-351	Client-Side Web Development 2	3	WD 211	Web Design and Development II	2	
			WD 2XXT	Web Development elective	1	
10-152-362 OR 10-152-337	Open-Source Web Development OR Data Analytics	3	WD 2XXT	Web Development elective	3	
10-152-393	Application Development Capstone Project	3	CIS 2XXT	CIS elective	3	

**Table 2: Required courses to complete Bachelor of Science degree in Computer Information Systems – Application Development and Support Option**

General Education Program			
Course number	Course Name	Credits	Notes
WLN		1-2	GEP: Wellness
COMM 101	Fundamentals of Oral Communication	3	NTC course <i>10-801-198 Speech</i> transfers as COMM 101.
ENGL 202	Sophomore English	3	NTC course <i>10-801-155 English Composition 2</i> transfers as ENGL 202.
HIST 176	United States to 1877	3	GEP: Historical Perspectives, US Diversity; for illustration purposes only, other options may be available to satisfy.
CHEM 100	Chemistry for the Citizen	3	GEP: Natural Sciences, Environmental Responsibility; for illustration purposes only, other options may be available to satisfy.
HIST 101	World History to 1500	3	GEP: Historical Perspectives, Global Awareness; for illustration purposes only; other options may be available to satisfy.
3XX		3	GEP: Art; assumes upper division to meet 40-credit requirement for courses at the 300/400 level.
3XX		3	GEP: Humanities; assumes upper division to meet 40-credit requirement for courses at the 300/400 level.
3XX		3	GEP: Interdisciplinary Studies; assumes upper division to meet 40-credit requirement for courses at the 300/400 level.
	Experiential Learning	0-3	GEP: Complete Experiential Learning course or Experiential Learning Activity
Computer Information Systems – Application Development and Support Option			
Course number	Course Name	Credits	Notes
CIS 120	Data Structures and Algorithms	4	
CIS 150	Data Communication and Networks	4	
CNMT 310	Production Programming	4	
CIS 340	Advanced Techniques in Application Development	4	
CIS 341	Interactive Web Programming	4	
MATH 209	Mathematics for Information Sciences	4	
CIS 3XX	Required option	4	
CIS 3XX	Required option	4	
CIS 3XX	Required option	4	
CNMT 410	Professional IT Communication	4	
CNMT 480	Applied System Development Project	4	