Northcentral TECHNICAL COLLEGE

TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS
NTC Program: IT - Software Developer
UWSP Program: CIS-Application Development
Minimum GPA for admission: 2.0
Initial effective date:

General Education Courses

NTC Course No.	Course Title	Credits	UWSP Course No.	Course Title/Field	Credits
10-801-196	Oral/Interpersonal Communications	3	COMM 180	Fdns Workplace Communication (GEP: CT)	3
10-801-195	Written Communication OR	3	ENGL 101	Freshman English (GEP: WC)	3
10-801-136	English Composition 1		ENGL 101	Freshman English (GEP: WC)	
10-804-189	Introductory Statistics	3	MATH 255	Elementary Statistical Methods (GEP: QL)	3
10-809-199	Psychology of Human Relations OR	3	SS 1XX	SS 100-Level Elective	3
10-809-198	Intro to Psychology		PSYC 110	Introduction to Psychology (GEP: SS)	
10-809-166	Intro to Ethics: Theory & App	3	PHIL 101	Intro to Ethics in Society (GEP: HU)	3
10-804-133	Math & Logic *	3	NDC	No degree credit	0
10-890-165	College 101	1	ELEC 1XX	ELEC 100-level Elective	1
	Total general education credits earned:	**19**			
	Total transferable general education credits:			**Total general education credits accepted:**	**16**

Occupational Courses

NTC Course No.	Course Title	Credits	UWSP Course No.	Course Title	Credits
10-152-551	Web Design 1A	1	CNMT 210	Web Design and Development I	4
10-152-552	Web Design 1B	1			
10-152-553	Web Design 1C	1			
10-152-223	User Experience Design	1			
10-152-223	User Experience Design	2	CNMT 2XXT	Elective	2
10-152-531	Data Concepts A	1	CIS 210	Database Design and Implementation	4
10-152-532	Data Concepts B	1			
10-152-533	Data Concepts C	1			
10-152-534	Database Design and SQL A	1			
10-152-535	Database Design and SQL B	1	CIS 2XXT	Elective	2
10-152-536	Database Design and SQL C	1			
10-152-500	IT Dev. and Design Fundamentals	1	CNMT 1XXT	Elective	1
10-152-501	Programming Concepts A	1	CNMT 101	Introduction to Computing and Programming	3
10-152-502	Programming Concepts B	1			
10-152-503	Programming Concepts C	1			
10-152-391	Collaborative Application Development	3	CNMT 310	Production Programming	4
10-152-392	Software Architecture	1			
10-152-392	Software Architecture	2	CIS 220	Systems Analysis and Design	4
10-152-508	Object - Oriented Design B	1			

10-152-509	Object - Oriented Design C	1				
10-152-504	Object - Oriented Programming A	1				
10-152-505	Object - Oriented Programming B	1		CNMT 110	Object-Oriented Programming	4
10-152-506	Object - Oriented Programming C	1				
10-152-507	Object - Oriented Design A	1				
10-152-561	Client-Side Web Development 1 A	1				
10-152-562	Client-Side Web Development 1 B	1		WD 211	Web Design and Development II	4
10-152-563	Client-Side Web Development 1 C	1				
10-152-564	Client-Side Web Development 2 A	1				
10-152-570	Advanced Data Management A	1				
10-152-571	Advanced Data Management B	1				
10-152-572	Advanced Data Management C	1		CIS 2XXT	Elective	3
	OR					
10-152-303	Mobile Programming	3				
10-152-565	Client-Side Web Development 2 B	1		WD 2XXT	Elective	2
10-152-566	Client-Side Web Development 2 C	1				
10-152-393	App. Dev. Capstone Project	3		CNMT 3XXT	Elective	3
10-152-510	Advanced .Net Programming A	1				
10-152-511	Advanced .Net Programming B	1		CIS 340	Advanced Techniques in Application Development	3
10-152-512	Advanced .Net Programming C	1				
10-152-567	Open-Source Web Development A					
10-152-568	Open-Source Web Development B	3		CIS 2XXT	Elective	3
10-152-569	Open-Source Web Development C					
	Total occupational course credits earned:	**46**			**Total occupational course credits accepted:**	**46**
	Elective credits allowed:				**Elective credits allowed:**	
	Total credits required for graduation:	**65**				
	Total transferable credits:	**62**			**Total credits accepted at UWSP:**	**62**

Additional courses to take to transfer: *Courses needed to complete degree at UWSP:*

Course No.	Course Title	Credits	Course No.	Course Title	Credits
			Courses in the major:		
			CNMT 410	Professional IT Communication	4
			CNMT 479	Applied Development Project Preparation	1
			CNMT 480	Applied Development Project	3
			CIS 120	Data Structures and Algorithms	4
			CIS 225	Data Communication and Networks	4
			CIS 341	Interactive Web Programming	4
			MATH 209	Mathematics for Information Sciences	4
			Complete two of:		
			CIS 303	Cybersecurity and Society	
			CIS 311	Application Security	
			CIS 342	Rich Internet Applications	6 to 8

		CIS 345	Alternate Programming Language	0 to 0
		CIS 346	Contemporary Topics in Computing	
		CIS 444	Advanced Database	
		Total for major: *		30-32 **
		GEP courses:		
10-801-155	English Composition 2	3	ENGL 202	Academic Writing and Research	3
10-809-188	Developmental Psychology	3	WLN	GEP: Wellness	1
10-806-114	General Biology OR	4	GEP	GEP: ART and NSC and HP	9
10-806-134	General Chemistry				
		GEP	Human Cultures and the Sciences	9
		GEP	Social and Environmental Responsibility	0-9
		Total UWSP credits: *		**52-63**

* Additional 2-4 credits at the 300/400-level are required in addition to CIS major courses to satisfy university graduation requirement.

** At least half of the credits in the major (31 out of 61) must be earned at UWSP.

*** Exact number of credits depends on course selection.

**** 120 credits required for graduation.

* APC admission requires college algebra or equivalent coursework. Take 10-804-195 (College Algebra /w Apps) or UWX MA116 in lieu of 10-804-133

* Lower end of the range requires taking GEP courses that satisfies multiple criteria

** Minimum of 120 credits required for a baccalaureate degree; estimated credit range 123-133

Updated on: 10/30/23