



General Education Courses

NTC			UIU		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-801-196	Oral/Interpersonal Communications <u>OR</u>	3	COMM 105	Public Speaking	3
10-801-198	Speech				
10-801-195	Written Communication <u>OR</u>	3	ENG 101	Basic Composition	3
10-801-136	English Composition 1				
10-804-189	Introductory Statistics	3	MATH 220	Elementary Statistics	3
10-809-103	Think Critically & Creatively	3	---	elective	3
10-809-198	Intro to Psychology	3	PSY 190	General Psychology	3
10-804-133	Math & Logic	3	---	elective	3
10-801-197	Technical Reporting	3	---	elective	3
Total general education credits earned:		21	Total general education credits accepted:		21

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-152-211	Web Design I	3	---	elective	3
10-152-310	Client-Side Web Development 1	3	CS 140	Intro to Programing	3
10-152-311	Object-Oriented Programming 1	3	SE 200	Advanced Computer Programing	3
10-152-331	Data Concepts	3	---	elective	3
10-152-312	Object-Oriented Programming 2 <u>OR</u>	3	---	elective	3
10-150-121	Network Administration 1				
10-152-332	Database Design and SQL	3	CS 332	Databases & Information Management	3
10-152-351	Client-Side Web Development 2 <u>OR</u>	3	IT 390	Programing for the WWW	3
10-150-122	Network Administration 2				
10-152-391	Collaborative Application Development	3	---	elective	3
10-152-361	Asp.net Web Development <u>OR</u>	3	IT 320 *	Web Systems & System Integration	3
10-152-337	Data Analytics <u>OR</u>				
10-152-382	Mobile Web Development 2	3	---	elective	3
10-152-392	Software Architecture <u>OR</u>	3	IT 320 *	Web Systems & System Integration	3
10-150-176	Command-Line Shells And Shell Scripting				
10-152-223	User Experience Design <u>OR</u>	3	---	elective	3
10-150-185	CISCO 1 - Network Communications 1				
10-152-313	Object-Oriented Programming 3 <u>OR</u>	3	---	elective	3
10-152-212	Web Design 2 <u>OR</u>				
10-152-335	Data Reporting	3	---	elective	3

* Student must complete both 10-152-361 & 10-152-392 at NTC to have fulfilled all requirements of UIU's IT 320.

Occupational Courses cont.

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-152-333	Advanced Data Management <u>OR</u>	3	---	elective	3
10-152-362	Open-Source Web Development <u>OR</u>				
10152-384	Mobile Programming 2				
10-152-393	Application Development Capstone Project	3	---	elective	3
10-152-314	Advanced .Net Programming <u>OR</u>	3	---	elective	3
10-150-181	Enterprise Virtual Servers <u>OR</u>				
10-152-381	Mobile Web Development 1				
10-152-383	Mobile Programming1 <u>OR</u>	3	---	elective	3
10-152-213	Web Design 3 <u>OR</u>				
10-152-338	Database Administration				
10-152-398	IT Career Skills <u>OR</u>	1	---	elective	1
10-152-399	IT Internship				
Total occupational course credits earned:		49	Total occupational course credits accepted:		49
Total credits required for graduation:		70			

Total credits accepted at UIU:	70
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A minimum of 120 semester credits is required for a Bachelor of Science degree at Upper Iowa University. A minimum of 30 credits must be upper division credits; lower division transfer work from NTC does not contribute to the upper division credit requirement at UIU.

Transfer grades lower than C- are not accepted by UIU.

Disclaimer: Students planning to transfer should contact NTC's Transfer Specialist and transfer personnel at UIU for the most current transfer information.

* Student may or may not have completed transfer courses equivalent to IT 320.

Courses needed to complete degree at UIU:

Course No.	Course Title	Credits
General Education		
ENG 102	English Composition II	3
CS 102	Intro Computer Technology & Applications	3
---	a cultures course	3
---	an arts/humanities course	3
---	an arts/humanities course	3
---	a natural science course	3
---	a natural science course	3
---	a social science course	3
Major		
CS 102	Intro Computer Applications & Technology	3
CS 122	IT Infrastructure	4
CS 130	Foundations of Information Systems	3
CS 205	Computer Architecture	4
CS 212	Operating Systems	4
CS 342	Human Computer Interaction	3
CS 400	Project Management and Integration	4
IT 310	Networking	4
IT 320 *	Web Systems and System Integration	(4)
IT 410	Information and System Security	3
MATH 115	Trigonometry & Analytic Geometry	3
MATH 206	Rational Problem Solving with Real Systems	3
Total credits needed at UIU to complete degree:		62-66