

ARTICULATION SUMMARY
University of Minnesota, Crookston Campus

Institution: Northland Community & Technical College
Program: Associate of Applied Science in Computer & Network Technology, 66 credits
UMC Program: Bachelor of Science in Information Technology Management

Transfer credits accepted from Northland Community & Technical College: 66 credits
Minimum number of additional credits needed for a B. S. degree from UMC: 54 credits

To be eligible for a B.S. degree from the University of Minnesota, Crookston:

- * The student must successfully complete at least 40 upper division level credits (3xxx's & above), with at least half (20 credits) of upper division major work awarded by UMC;
- * The student must successfully complete at least 40 semester credits in Liberal Education;
- * The student must complete a minimum of 120 semester credits and meet the required GPA.

This Articulation Agreement is effective [mm/dd/yyyy] and shall remain in effect until [mm/dd/yyyy], unless terminated or amended by either party with 90 days prior notice. This agreement will be reviewed on or after [mm/dd/yyyy].

We agree with the above articulation format and understand that the agreement may be changed due to curricular changes at either campus.

UNIVERSITY OF MINNESOTA, CROOKSTON

Signed: _____ Date: _____
Dr. Adel Ali, Math, Science & Technology Department Head

Signed: _____ Date: _____
Dr. Thomas Baldwin, Vice Chancellor for Academic Affairs

NORTHLAND COMMUNITY & TECHNICAL COLLEGE

Signed: _____ Date: _____
Kent Hanson, Chief Academic Officer

Signed: _____ Date: _____
Dr. Anne Temte, College President

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LIBERAL EDUCATION AND MINNESOTA TRANSFER REQUIREMENTS							
UMC Requirements: (40 credits minimum)				NCTC Requirements: (40 credits minimum)			
Goal Area 1. Written and Oral Communication							
Comp	1011	Composition I	3	Engl	1111	Composition I	3
Comp	1013	Composition II	3	Engl	1112	Composition II	3
Spch	1101	Public Speaking	3	Spch	1101	Introduction to Public Speaking	3
Goal Area 2. Critical Thinking							
Covered across the curriculum							
Goal Area 3. Biological and Physical Sciences							
Minimum of 6 credits needed:							
Biol	1009	General Biology	4	Biol	1101	Concepts of Biology	4
Phys	1101	Introductory College Physics I	4	Phys	1111	General Physics I	4
Goal Area 4. Mathematical Thinking							
Math	1031	College Algebra	3	Math	1110	College Algebra	3
Math	1150	Elementary Statistics	3	Math	2203	Statistics	4
Goal Area 5. History and the Behavioral and Social Sciences							
Econ	2101	Microeconomics	3	Econ	2201	Microeconomics	3
Econ	2102	Macroeconomics	3	Econ	2202	Macroeconomics	3
Psy	1001	General Psychology	3	Psyc	1105	Intro to Psychology	3
Goal Area 6. The Humanities - Arts, Literature, and Philosophy							
Minimum of 6 credits needed							
Hum	3310	Culture and Technology	3				
Phil	1001	Introduction to Philosophy	3	Phil	1101	Intro to Philosophy	3
Goal Area 7. Human Diversity							
Minimum of one course needed							
				Soci	1101	Intro to Sociology	3
Goal Area 8. Global Perspective							
Hum	3310	Culture and Technology	3				
Goal Area 9. Ethical and Civic Responsibility							
Minimum of one course needed							
				Phil	1102	Intro to Ethics	3
Goal Area 10. People and the Environment							
Biol	1009	General Biology	4	Biol	1011	Concepts of Biology	4

See UMC recommended courses for goal areas above

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UMC Program Requirements (54 credits)				NCTC Program Requirements: (31 credits)			
Acct	2101	Principles of Accounting I	3	Busn	2221	Principles of Accounting I	3
Acct	2102	Principles of Accounting II	3	Busn	2222	Principles of Accounting II	3
SE	2050	Introduction to Programming I	3	Cptr	1110	Visual Basic Programming	3
SE	2060	Database Management Systems	3				
SE	2100	Microcomputer Systems Arch	3	Cptr	1131	Microcomputer Maintenance	4
GBus	3107	Legal Environment in Business	3	Busn	2218	Legal Environment Busn	3
ITM	3020	Intro to Management Info Systems	3	Cptr	1138	Information Systems	3
ITM	3110	Microcomputer Operating Systems	3	Cptr	1148	Micro Operating Systems	3
ITM	3130	Messaging Systems	3				
ITM	3900	Internship	3				
ITM	4020	Analysis/Design of Info Systems	3				
ITM	4900	Senior Project - Info Tech Mgmt	3				
Mgmt	3100	Managerial Finance	3				
Mgmt	3200	Principles of Management	3	Busn	2210	Prin of Management	3
Mgmt	4200	Project Management	3				
Mktg	3300	Principles of Marketing	3				
NT	3120	Networking Standards/Protocols	3	Cptr	2213	Network Administration	3
NT	3215	Info Assurance/Systems Security	3				
Technology Requirements: (3 credits, min.)							
CA	1040	Web Site Development	2	Cptr	1500	Intro to Web Concepts	3
Open Electives: (23 credits, as needed)							
				Cptr	1106	Microcomputer Databases	3
				Cptr	1136	Networking I	3
				Cptr	1137	Networking II	3
				Cptr	2214	Network Operating Systems	3
				Cptr	2216	Networking III	3
				Cptr	2217	Networking IV	3
				Cptr	2231	Unix/Linux	3
				Cptr	2252	Micro Systems Project	3

NCTC Computer & Network Tech credits to transfer: 66
 UMC credits needed to complete degree: 54 minimum*
 Min. credits needed for a Bachelor of Science degree: 120

* UMC requires 40 upper division credits (3xxx's & above) & 40 Liberal Ed Credits

Update: August 2010