



APRIL 2003

► **ARTICULATION AGREEMENT** ◀

between

**Vermilion Community College**  
**A.S. Program in Watershed Science**  
and  
**The University of Minnesota, Crookston**  
**B.S. Program in Water Resource Management**

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<b>Credits Transferred:</b>	<b>65</b>
General Education – VCC: (Assumed that this total includes a 4-credit college chemistry course with lab)	45
Technical Credits – VCC: (Includes; WSHD 1656, 1255, 2265, 1258, 2268, CAOR 2255, NRT 1211, and ESCI 1559)	20
<b>UMC Credits to be Completed:</b>	<b>56*</b>
<u>UMC General Education to be Completed</u>	<b>19</b>
Composition 1013 – Composition II	3
Composition 3303 – Writing in Your Profession	3
Speech 1101 – Public Speaking	3
Economics 2101 - Microeconomics	3
Physics 1001 – Elementary Physics	4
Humanities Elective (3xxx)	3
<u>UMC Program Requirements to be Completed</u>	<b>37**</b>
Gen. Ag 3652 – Ag/Natural Resources Seminar	1
Gen Ag 3900 – Internship, Pre and Post	3
Natural Resources 1663 – Principles of Fisheries Management	3
Natural Resources 3344 – Land Use Planning	3
Natural Resources 3364 – Plant Taxonomy	3
Natural Resources 3374 – Ecology	4
Natural Resources 3376 – Wetland and Riparian Ecology & Manage.	2
Natural Resources 3630 – Geographic Information Systems	4
Natural Resources 3699 – Integrated Resource Management	3
SWM 3225 – Watershed Management	3
SWM 3224 – Soil and Water Conservation	4
ASM 3009 - Surveying	4
<u>Total Credits Needed for Graduation</u>	<b>121</b>

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\* Course requirements may change as curricula evolve on each campus. Notwithstanding such changes, 65 semester credits shall be transferred upon completion of the named AS program.

\*\* Students not having a familiarity with agricultural crops and equipment will be expected to complete PIM 1031 - Agronomy Lab, 1 credit.

**ASSUMED COURSE CONTENT EQUIVALENCIES BASED ON COURSE DESCRIPTION:**

**UMC**

Biol 3722 – Limnology  
Soil 1293 – Soil Science  
SWM 3009 – Hydrology and Water Quality  
Mgmt 3210 – Supervision and Leadership

**VCC**

Biol 2455 - Limnology  
WSHD 1658 – Soils and Hydrology  
WSHD 2265 – Water and Wastewater Analysis I  
WSHD 2268 - Water Management

Students will be given credit for the content of these named UMC courses but credits will not count towards the 40 credit minimum of upper division (3xxx) credits required in all programs at UMC.

Vermilion Community College and the University of Minnesota, Crookston are committed to

- (1) providing quality education in natural resources,
- (2) offering new educational choices and improved access to all students, and
- (3) working in partnership to create programs and services of superior value to students, industries, communities, and the State of Minnesota.

Accordingly, the University of Minnesota, Crookston and Vermilion Community College endorse this Articulation Agreement both as a first step in strengthening collaboration between institutions, and as a convenient, academically sound graduation plan for students.

University of Minnesota, Crookston

Signed *Daniel Svedarsky* Date 21 Aug 03  
Daniel Svedarsky, Program Leader of Natural Resources

Signed *Richard Nelson* Date 31 Mar 03  
Richard Nelson, Director  
Center for Agriculture and Natural Resources

Signed *Douglas Knowlton* Date 3/31/03  
Douglas Knowlton, Vice-Chancellor  
Academic Affairs

Signed *Donald Sargeant* Date 3/24/03  
Donald Sargeant, Chancellor

Vermilion Community College

Signed *Steve Kleist* Date 4/9/03  
Steve Kleist, Program Leader of Water Resources

Signed *M. Sue Collins* Date 4/9/03  
Susan Collins, Provost