ARTICULATION SUMMARY
University of Minnesota, Crookston Campus

Institution: Northland Community and Technical College
Program: Architectural Technology & Design - A.A.S., 69 credits
UMC Program: Bachelor of Manufacturing Management
Bachelor of Manufacturing Management, online
Effective Dates: October, 2011 -

Transfer credits accepted from NCTC ATD, A.A.S. program: 69 credits
Minimum number of additional credits needed for a B.M.M. degree from UMC: 51 credits

To be eligible for a B.M.M. degree from the University of Minnesota, Crookston:
* The student must successfully complete at least 30 semester credits from UMC, with at least 15 of the 
  last 30 credits earned prior to the awarding of a University degree, be awarded by UMC;
* The student must successfully complete at least 40 upper division level credits (3xx's & above), with 
  at least half (20 credits) of upper division major work awarded by UMC;
* The student must successfully complete at least 18 semester credits in Liberal Education;
* The student must complete a minimum of 120 semester credits and meet the required GPA.

1000 & 2000 level courses do not transfer to upper division credit

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: 
Dr. Sue Borson, Business Department Head

Date: 3-29-12

Signed: 
Dr. Thomas Baldwin, Vice Chancellor of Academic Affairs

Date: 3/30/12

Northland Community & Technical College

Signed: 
Dean of Academic Affairs

Date: 3-22-2012

Signed: 
Academic Vice President

Date: 3-23-12

updated Oct, 2011
**Articulation Agreement**

University of Minnesota, Crookston Campus

Institution: Northland Community & Technical College
Program: Architectural Technology & Design - A.A.S., 69 credits
UMC Program: Bachelor of Manufacturing Management

**LIBERAL EDUCATION REQUIREMENTS**

<table>
<thead>
<tr>
<th>UMC Requirements: (18 credits minimum)</th>
<th>NCTC Requirements: (69 credits)</th>
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<tbody>
<tr>
<td><strong>Comp</strong> 1011 Composition I</td>
<td>MTC Electives (see recommendations) 16</td>
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<tr>
<td><strong>Comp</strong> 1013 Composition II</td>
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<tr>
<td><strong>Econ</strong> 2101 Microeconomics</td>
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<td><strong>Math</strong> 1031 College Algebra</td>
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<tr>
<td><strong>Math</strong> 1150 Elementary Statistics</td>
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<td><strong>Spch</strong> 1101 Public Speaking</td>
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**TRANSFER/OPEN ELECTIVE CREDITS ACCEPTED**

| Arch transfer courses | 53 |

**UMC PROGRAM REQUIREMENTS (43/44 credits)**

| Acct 2101 Principles of Accounting I | 3 |
| BM 3012 Applied Engineering Principles | 3 |
| BM 3034 Quality Management Systems | 3 |
| Comm 3008 Business Writing (3) or Comm 3303 Writing in Your Profession (3) | 3 |
| Mgmt 3100 Managerial Finance | 3 |
| Mgmt 3200 Principles of Management | 3 |
| Mgmt 3210 Supervision and Leadership | 3 |
| Mgmt 3250 Operations Management | 3 |
| Mktg 3300 Principles of Marketing | 3 |
| GBus 1005 Orient to Online (req. for online degree) | 1 |
| Upper division Business/Tech Credits | 10 |
| Upper division Elective Credits | 6 |

NCTC program credits to transfer: 53
MnTC/Liberal Education credits to transfer: 16
Total Credits to transfer from: 69
UMC credits needed to complete BMM degree: 51
Minimum credits needed for a BMM degree: 120 **minimum

** Students need to complete UMC Requirements for a minimum of 120 credits
UMC requires 40 upper division credits (3xxx's & above)
1000 & 2000 level courses do not transfer to upper division credit

updated: Oct, 2011