

ARTICULATION AGREEMENT

UNIVERSITY OF MINNESOTA, CROOKSTON

AND

SAINT PAUL COLLEGE

July 14, 2004

*University of Minnesota
Crookston
Saint Paul College
7/14/04*

Bachelor of Manufacturing Management

Program Requirements

Total Credits	120
Minimum Upper Division Credits	40
Minimum Credits from UMC	30

Course		Cr
BM 3012	Applied Engineering Principles	3
BM 3034	Quality Standards	3
MGMT 3100	Managerial Finance	3
MGMT 3200	Principles of Management	3
MGMT 3250	Operations Management	3
MGMT 3210	Supervision and Leadership	3
MKTG 3300	Principles of Marketing	3
SPCH 3431	Persuasion	3
COMP 3303	Writing in Your Profession	3
	Upper division business/technology electives	13
	Minimum Upper Division	40

Appendix 1

Manufacturing Technology AAS Degree

Program Requirements

Course		Cr
MTTP 1411	Machine Trades Theory 1	1
MTTP 1412	Machine Trades Theory 2	1
MTTP 1413	Interpret Geometric Dimensions & Tolerance	2
MTTP 1414	Machine Trade Theory 3	1
MTTP 1421	Applied Blueprint Reading/Processes 1	2
MTTP 1431	Machine Tool Technology 1	5
MTTP 1432	Machine Tool Technology 2	5
MTTP 1450	CAD	1
MTTP 1511	CNC 1	2
MTTP 1512	CNC 2	2
MTTP 1513	CNC 3	2
MTTP 2410	CAM 1	2
MTTP 2412	CAM 2	2
MTTP 2510	Moldmaking Theory	2
MTTP 2520	Diemaking Theory	2
MTTP 2530	Jig and Fixture Design	2
MTTP 2576	Advanced CAM	3
MTTP 2579	Advanced CNC	3
MTTP 2591	Internship Elective Option 1-6 credits	0 - 6
	General Education Requirements	20
	Total Program Requirements	60 - 66

Desired General Education Requirements

Course		Cr
ENGL 1711	Composition 1	4
ENGL 1712	Composition 2	2
SPCH 1710	Fundamentals of Public Speaking ¹	3
MATH 1730	College Algebra	3
PHYS 1720	Descriptive Physics	4

Desired Electives

Course		Cr
ACCT 1411	Principles of Accounting	4
ECON 1730	Microeconomics	3

¹ SPCH 1720 or 1750 can be used as substitutes

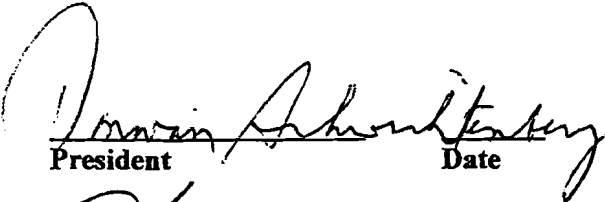





ARTICULATION IMPLEMENTATION AND AGREEMENT REVIEW

The Chief Academic Officer or designee of the collaboration institutions shall be responsible for implementing this agreement, incorporating any changes into subsequent agreements, and for conducting periodic reviews of this agreement.

This agreement becomes effective immediately upon completion of signature, and remains in effect unless terminated or amended by either party with reasonable prior written notice.

Saint Paul College

University of Minnesota, Crookston

 President	7/14/2004 Date	 Associate Vice Chancellor Academic Affairs
 Dean Technical, Trade & Apprenticeship		 Department Head, Business
 Dean of Academic Affairs Vice President		 Program Manager

FOR MORE INFORMATION CONTACT:

Saint Paul College

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TERMS OF AGREEMENT:

1. ADMISSION

SPC students seeking admission to UMC are required to satisfy all admissions requirements for the Bachelor of Manufacturing Management degree.

2. TRANSFER OF COURSEWORK

The evaluation criteria for coursework to be considered in transfer shall be in compliance with UMC transfer guidelines. Both degree recipients and non-degree recipients shall be eligible for transfer consideration.

a. Associate of Applied Science Degree Recipients:

- i. Students receiving the Associate of Science Degree (see appendix one) shall receive 60 - 66 credits towards the Bachelor of Manufacturing Management Degree.
- ii. Additional credits may be evaluated to satisfy some of the elective or prerequisite requirements for upper division courses.

b. Students with partially completed coursework shall receive credit for work completed

3. JOINT ADMISSION OPTION

Students may be admitted to both institutions simultaneously. With joint admissions, students may concurrently enroll in courses at both institutions. Students will have access to advising and other services at both institutions.

COLLABORATION

Administration, faculty and staff at both institutions will cooperate in scheduling course offerings in a convenient, flexible manner. The resources of both institutions, including faculty, staff and space, will be used in a manner that enhances this education opportunity.

In addition:

1. UMC intends to offer the upper division courses required for graduation in this degree.
2. Both institutions will jointly promote the AAS, and bachelor programs to potential students.
3. Both institutions will strive to find solutions regarding counseling, advising, transcription, registration and financial aid procedures to facilitate administration and management of student enrollment.

The University of Minnesota, Crookston (UMC) and Saint Paul College (SPC) share a student/workplace-centered approach to the delivery of higher education. This agreement is designed to build a partnership that will further the facilitation of student access to higher education.

The purpose of this agreement is to facilitate credit transfer and provide a smooth transition from Saint Paul College Manufacturing Technology Associate in Applied Science 60 to 66 credit degree program to the UMC Bachelor of Manufacturing Management Degree program. All future students and graduates of SPC AAS in Manufacturing Technology will be eligible for credit transfer under the terms of this agreement.

Program Description:

The Bachelor of Manufacturing Management is a workplace-centered degree program designed to meet the increasing demand for baccalaureate education from students and their employers. The content is flexible enough to recognize the worth of prior learning, yet focused on course-work that provides tangible value both immediate and long term. Key features include application-orientated four-year integrated curriculum and alternative delivery options, including delivery on campus of partnering institutions.

The Bachelor of Manufacturing Management program is designed to meet the needs of those already in the workplace and two-year graduates that want to continue their education to Bachelor level. The program of study emphasizes the importance of management, communication and manufacturing skills in the modern workplace.

The Bachelor of Manufacturing Management is the result of considerable discussion with employers and industry professionals. As a result of this practical guidance, the program is designed for working graduates in industrial and business fields who have experience in manufacturing or other business settings. It is specifically tailored to those individuals for whom baccalaureate level management and technology skills will pay dividends in the workplace.