



**Transfer Articulation Agreement for Baccalaureate Degree**  
between  
**Northern Maine Community College**  
and  
**University of Southern Maine**

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**Statement of Purpose**

Northern Maine Community College (NMCC) and the University of Southern Maine (USM) have entered into this transfer articulation agreement. The purpose of this agreement is to facilitate student academic transfer and provide a smooth transition from a two-year community college to a university. It is recognized that this agreement shall describe the required program of study at NMCC for admission eligibility to USM and the Baccalaureate Degree Program indicated.

**Terms and Conditions of Academic Credit Transfer**

**To:** **Bachelor of Science in Technology Management, Precision Manufacturing Concentration**  
(Name of USM Academic Program/Degree)

**From:** **Associate in Applied Science in Precision Machining Technology**  
(Name of NMCC Academic Program/Degree)

The evaluation and transfer of earned college credits shall be in compliance with state and federal education policies and institutional and academic program accreditation standards pertaining to undergraduate academic transfer. Current students and graduates who have earned degrees from Northern Maine Community College shall be eligible for credit evaluation under the terms of this agreement.

Transfer students will be accorded the same standards and criteria for admission to a major degree sequence as USM students. All applicants accepted to USM's Baccalaureate programs must fulfill the graduation requirements of the granting institution as identified in Appendices A, B & C.

- \* Appendix A Contains Admission & Graduation Requirements of the Receiving Institution
- \* Appendix B Contains Side By Side Course Equivalency Tables for the academic program listed above
- \* Appendix C Contains a four semester map of remaining courses to be taken at USM

(Important Note: The information contained in Appendices A, B, & C is accurate for Catalog Year 2020-21 and the current transfer equivalency listing. For up to date information please check [MaineStreet](#) for transfer equivalencies and <http://usm.maine.edu/catalogs> for the current course catalog year.



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## APPENDIX A

This agreement includes specific requirements for admission into a program, outlines requirements, and indicates which degree or diploma can be used to meet program prerequisites as well as general education, major or program, and graduation requirements.

**Admissions requirements:** Successful completion of the NMCC Associate in Applied Science in Precision Machining Technology, submission of a completed admission application, transcripts and other supporting materials. For coursework to transfer to USM, a student must earn a grade of C- or better.  
For a list of application instructions and checklist: <http://usm.maine.edu/admit/application-instructions>

**Requirements for the USM Bachelor of Science in Technology Management, Precision Manufacturing Concentration:** Remaining required coursework is listed in Appendix C. Student must maintain a cumulative GPA of 2.0 to graduate.

**USM Residency Requirement:** At minimum, thirty (30) of the last forty-five (45) credits of a student's baccalaureate course load must be completed at USM.

**Additional Institutional Contact Information:**

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## APPENDIX B

*Subjects represented in italics are recommended. If subjects in italics in Appendix B are **not** taken at NMCC, the sequence represented in Appendix C cannot be observed.*

NMCC AAS Precision Machining Technology General Education Requirements			USM BS Tech Management, Precision Manufacturing Concentration Equivalencies		
Course	Title	Credits	Course	Title	Credits
DRT 109	Mechanical Drafting & Design	3	ITT 1XX	Technical Elective	3
MAT 119	Applied Mathematics	4	MAT 1XX	Mathematics Elective	4
COL 103	College Success	1	GEL 1XX	General elective	1
SAE 117	Occupational Safety	1	ITT 1XX	Technical Elective	1
ENG 111	English Composition	3	ENG 100	College Writing	3
PHY 150	Physics	4	PHY 1XX	Physics Elective (Science Exploration Core Requirement)	4
COM 221	Technical Communications	3	GEL 2XX	General Elective (Advanced Elective Core Requirement 1 of 3)	3
	Humanities Elective: <i>PHI 206 World Religions OR ENG 231 Women in Literature</i>	3	Varies	COR 2XX Core Elective OR ENG 2XX English Elective (Cultural Interpretation AND Diversity Core Requirements)	3
	Social Science Elective: <i>ECO 111 Principles of Economics</i>	3	ECO 100	Introduction to Economics (Socio-Cultural Analysis Core Requirement)	3
<b>Total credits</b>		<b>25</b>	<b>Total credits accepted</b>		<b>25</b>

NMCC Precision Machining Major Requirements			USM Equivalencies		
Course	Title	Credits	Course	Title	Credits
MTT 113	Machine Tool Technology	6	ITT 1XX	Technical Elective	6
MTT 115	NIMS Lab I	1	ITT 1XX	Technical Elective	1
PMM 102	Introduction to CNC Operations	2	ITT 1XX	Technical Elective	2
PMM 104	Machine Trades Print Reading	1	ITT 1XX	Technical Elective	1
MTT 119	NIMS Lab II	1	ITT 1XX	Technical Elective	1
MTT 125	Machine Tool Technology II	6	ITT 1XX	Technical Elective	6
PMM 120	Introduction to CNC Programming, Set Up, and Operation	3	ITT 1XX	Technical Elective	3
PMM 212	Geometric Dimensioning & Tolerancing	2	ITT 2XX	Technical Elective	2
PMM 117	CAM for Milling	2	ITT 1XX	Technical Elective	2
PMM 119	CAM for Turning	2	ITT 1XX	Technical Elective	2
PMM 223	Introduction to PMM	6	ITT 2XX	Technical Elective	6
PMM 231	Advanced Precision Metals Manufacturing	6	ITT 2XX	Technical Elective	6
PMM 227	NIMS Lab III	1	ITT 2XX	Technical Elective	1
PMM 233	NIMS Lab IV	2	ITT 2XX	Technical Elective	2
PMM 235	Multi-Axis Milling	2	ITT 2XX	Technical Elective	2
<b>Total Major Credits</b>		<b>43</b>			
<b>Total NMCC Credits</b>		<b>68</b>	<b>Total Credits accepted</b>		<b>68</b>

# APPENDIX C

## Remaining USM Degree Requirements

For students in NMCC AAS in Precision Machining transferring to BS in Tech Management, Precision Manufacturing Concentration

[Assumes students complete recommended Mathematics, Science, Social Science, Fine Arts and Humanities electives at NMCC as listed in Appendix B.]

Year Three Fall		Year Three Spring	
Course	Credit	Course	Credit
ITP 230 Project Management (International Core Requirement)	3	ITP 280 Managing Organizations in a Technological Environment	3
ITP 250 Management Information Systems	3	ITP 310 Facility Planning	3
ITP 340 Quality Management	3	ITP 350 Leadership, Teambuilding and Facilitation	3
ACC 110 Financial Accounting Information for Decision Making	3	MAT 105 Mathematics for Quantitative Decision Making (Quantitative Reasoning Core Requirement)	3
Ethical Inquiry Core Requirement	3	Creative Expression Core Requirement	3
ITP 210 Technical Writing	3	Advanced Core Elective 2 of 3	3
<b>Semester Credits</b>	<b>18</b>	<b>Semester Credits</b>	<b>18</b>

Year Four Fall		Year Four Spring	
Course	Credit	Course	Credit
ITP 381 Human Resource Development	3	ITT 460 Capstone (Engaged Learning Core Requirement)	3
ITS 320 Workplace Safety and Health Management Systems	3	ITP 410 Technology Operations and Strategies	3
MAT 140 Pre-Calculus	3	ITP 490 Cost Analysis and Control	3
MAT 120 Statistics	4	Physical Science Departmental Requirement	3
ITP 330 Supply Chain Management	3	ITT 181 Computer Applications and Concepts	3
		Advanced Core Elective 3 of 3	3
<b>Semester Credits</b>	<b>16</b>	<b>Semester Credits</b>	<b>18</b>
<b>Total USM credits: 70</b>			
<b>Total NMCC and USM credits: 138</b>			