

TRANSFER ARTICULATION AGREEMENT

AMENDMENT (2013)

Quinsigamond Community College

and

Fitchburg State University

**Manufacturing Technology
Associate in Science Degree**

to

**Industrial Technology- Manufacturing Engineering Technology
Bachelor of Science Degree**

Statement of Purpose

The purpose of this document, pursuant to the existing articulation agreement, is to serve as written notice and approval of curricular changes in the Quinsigamond Community College Manufacturing Technology program.

Amended Items

Effective with the 2013-2014 catalog, the QCC Manufacturing curriculum replaces two courses. ELT 103 Electronics I and MNT 105 Geometric Tolerancing and Blueprint Reading were replaced by MNT 100 Manufacturing Safety and MNT 106 Manufacturing Quality Assurance & Control Techniques. Under the terms of this amendment, Fitchburg State University agrees to this revision as follows:

<u>Quinsigamond Community College</u>	<u>Fitchburg State University</u>
MNT 100 Manufacturing Safety (3 cr) =	ITEC 2740 O.S.H.A (3 cr)
MNT 106 Manufacturing Quality Assurance = & Control Techniques	ITEC 1990 Transfer Elective (4 cr)

The attached curriculum grid presents the revised curricula and acceptance equivalency.

This course revision does not affect pre-established terms and conditions of the existing articulation agreement. All provisions, previously agreed to by the two institutions, remain in force. Refer to the 2012 articulation agreement document for details of all terms and conditions.

Fitchburg State University and Quinsigamond Community College agree that this Amendment becomes effective on December 1, 2013 and is applicable to eligible students in the next semester of enrollment.

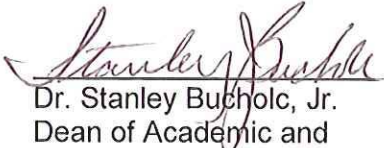
Approvals



Kathleen Rentsch
Dean of Business and
Technology

11/18/13


Date



Dr. Stanley Bucholz, Jr.
Dean of Academic and
Student Life

11-22-2013

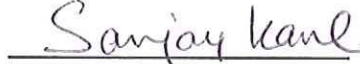
Date



Lee Duerden
Coordinator of
Manufacturing Technology
Program

11/19/13


Date



Dr. Sanjay Kaul
Chair, Industrial Technology
Department

11/21/13

Date



Daniel de la Torre
Transfer Coordinator

11/18/13

Date



Heather Thomas
MassTransfer Coordinator

11/20/13

Date

Appendix A

Quinsigamond Community College and Fitchburg State University
**QCC Manufacturing Technology to Industrial Technology- Manufacturing Engineering
 Technology Program Articulation Table – updated for 2013-14**

QCC Course	Course #	Cr	Fitchburg State Course	Course #	Cr
Semester 1					
Introduction to Microcomputer Applications	CIS 111	3	Computers in Industrial Technology	ITEC 1720	3
College Mathematics I: Precalculus	MAT 123	3	Substitute for Pre-calculus	MATH 1300	3
Mechanical CAD I	MNT 101	3	Technical Drawing	ITEC 1400	3
Manufacturing Processes I	MNT 110	3	Engineering Design Fabrication Systems I	ITEC 1200	3
Liberal Arts Elective*		3	See choices at right		3
Semester 2					
English Composition and Literature I	ENG 101	3	Writing I	ENGL 1100	3
College Mathematics II: Trigonometry	MAT 124	3	Transfer Elective	MATH 1990	3
Manufacturing Quality Assurance & Control Techniques	MNT 106	4	Transfer Elective	ITEC 1990	4
Manufacturing Safety	MNT 100	3	O.S.H.A.	ITEC 2740	3
Instrumentation in Manufacturing	MNT 115	3	Engineering Experimentation	ITEC 3910	3
Semester 3					
English Composition and Literature II	ENG 102	3	Writing II	ENGL 1200	3
Solid Modeling	MNT 103	3	Computer Aided Drafting (CAD)	ITEC 2410	3
Process Automation & Robotics	MNT 217	3	Automated Manufacturing II	ITEC 3730	3
Physics I	PHY 101	4	General Physics I	PHYS 2300	4
Computer Numerical Control or Elective (recommended)**	MNT 210 or ----	3	See choices at right	----	3
Semester 4					
Fundamentals of Computer-Aided Manufacturing	MNT 215	4	Transfer Elective	ITEC 2990	4
Manufacturing Processes II	MNT 216	4	Technical Analysis	ITEC 1710	3
Lean Manufacturing & Six Sigma	MNT 218	3	Quality Control	ITEC 3710	3
Coop Work Experience Seminar Or Elective**	MNT 299 ----	3	Independent Study Or Elective Equivalent	ITEC 4960 ----	3
Physics II	PHY 102	4	General Physics II	PHYS 2400	4
Total credits		65			64

PLEASE NOTE:

For the purposes of this articulation agreement, students MUST complete the elective choices listed below. Failure to follow these recommendations may affect guarantee of admission, will result in additional coursework requirements and longer time to degree completion at Fitchburg State.

REQUIRED ELECTIVES

* Liberal Arts Electives (choose one):

ENG 231, ENG 232, HST 104, HST 105, HST 106, PSY 101, SOC 101, SPH 101
 (Other literature or history courses may be considered)

** Suggested Electives:

With prefixes BIO, CHM, MAT, PHY, PSY or SPH; or the following suggested courses: MGT 211, MRK 201, MRK 211 or a course approved by the Program Coordinator

Please note that students who choose MNT 210 or MNT 120 will need to take additional ITEC courses at Fitchburg State.

Coursework left to complete at FSU

Major courses		Comments
ITEC 1000 Electric Systems And Circuits	3	
ITEC 1210 Design Skills in Industrial Technology	3	
ITEC 1300 Engineering Design Fabrication Systems II	3	
ITEC 1310 Materials Testing	3	
ITEC 2710 Statics	3	
ITEC 2730 Automated Manufacturing I	3	
ITEC 3700 Fluid Power Technology	3	
ITEC 3900 Production Planning & Control	3	
ITEC 3930 Strength of Materials	3	
Credits in major	27	Note: Students who transfer in MNT 210 or 120 will need to take additional ITEC courses in order to ensure that 50% of the major is completed at FSU.
LA&S requirements		
EXSS 1000 Health & Fitness	3	
History	3	could choose HST 104, 105 or 106 as Elective
Human Behavior (PSY 1100, PSY 1200 or SOC 1100); course coded ART and Literature	6	Required to take specific Liberal Arts course which will cover one of these requirements.
ITEC 1700 Evolution of Industrial Technology	3	
Art or Music	3	
Advance Option - example Option B: 12 credits in same LA&S discipline - 6 credits must be 2000 level or higher	12	Could choose LA&S course as 2 nd Program Elective
Additional Requirement: Students will take two courses in Global Diversity (GDC & GDA). One course must be non-western.		
Credits in LA&S	30	
Total credits left	57	