Articulation Agreement
Between
Illinois State University
And
Moriane Valley Community College

Moraine Valley Community College (MVCC) and **Illinois State University** (ISU) form a cooperative relationship through this articulation agreement to serve better our public constituents, to smooth transfer, to minimize duplication of instruction, and to build on community college and university learning experiences. Both institutions recognize that working together, their collective efforts are stronger than their individual efforts.

The two institutions agree to the following:

1. Any student who completes the A.A.S. in **Mechanical Design and Drafting/CAD Program** *and* **Bridge Courses** at MVCC (with the required 2.00 GPA) and submits required application and supporting documentation will automatically be admitted to ISU at the junior level.

2. Acceptance into a specific ISU program is based on individual transferring student meeting the conditions and considerations listed for that program. Specifically, students completing A.A.S. in **Mechanical Design and Drafting/CAD Program** *and* **Bridge Courses** at MVCC, prescribed in the attached Transfer Guide, will be admitted to the **Baccalaureate Industrial Technology (Integrated Manufacturing Systems Sequence)** program at ISU.

3. The courses listed in the attached Transfer Guide that prescribes MVCC **Mechanical Design and Drafting/CAD Program** *and* **Bridge Courses** have been reviewed and accepted for transfer to ISU.

4. Relationships between MVCC and ISU faculty and administration are in the spirit of cooperation, and provide the basis of this agreement.

5. Representatives of both institutions agree to meet on a regular basis to assess curricular changes and other conditions that may affect the nature of this agreement.

6. This agreement does not preclude either institution from making curriculum changes as it may solely deem appropriate in which case appropriate prior notice will be given to the operative academic personnel at the cooperating institution.

7. Appropriate publications and promotional materials regarding this agreement will be made available to all MVCC students.

8. Either ISU or MVCC may dissolve this agreement by giving one year's advance notice to the cooperating institution's president or academic vice president.

9. This agreement is effective with the 2003-2004 academic year and is subject to renewal biannually.

Illinois State University

Dr. Alan Bowman, President — Date 6-23-04

Dr. W. Laurance Quane, Registrar 6/25/04

Moraine Valley Community College

Dr. Vernon O. Crawley, President — Date 7/29/04

Moraine Valley Community College (MVCC) and Illinois State University (ISU) Transfer Guide
From A.A.S. in Mechanical Design and Drafting/CAD to B.S. in Industrial Technology, Integrated Manufacturing Systems Sequence

With an associate's degree from MVCC's Mechanical Design and Drafting/CAD Program, you can smoothly transfer into Illinois State University's Integrated Manufacturing Systems Program.

Moraine Valley Community College
A.A. S. – Associate in Applied Science
Mechanical Design and Drafting/CAD
NOTE: This articulation plan is based on the MVCC 2003- 2005 Catalog.

FRESHMAN YEAR

First Semester

COURSE	TITLE	HRS
COM-101	Composition I	3
MDT-145	Introduction to CAD	3
MDT-101	Introduction to Drafting	3
MDT-135	Technical Math	5
MTO-101	Introduction to Machine Tools	3
	Total semester hours	17

Second Semester

COURSE	TITLE	HRS
MDT-110	Mechanical Detailing	3
MDT-106	Mechanical Assemblies	2
MDT-115	Applied GDT	2
MDT-160	Introd. To 3D Modeling	3
MET-104	Materials of Industry	2
General Education Requirement*		3
Select PSY-101 for ISU		
	Total semester hours	15

SOPHOMORE YEAR

First Semester

COURSE	TITLE	HRS
MDT-205	Machine Elements	3
MDT-209	Hydraulics and Pneumatics	2
MDT-220	Tool Drafting	3
MTH-142	Trigonometric Functions	2
PHY-150	Mechanics, Heat and Sound	4
MDT-___	MDT Elective*	2
	Select MDT-100 for ISU	
	Total semester hours	16

Second Semester

COURSE	TITLE	HRS
COM-103	Speech Fundamentals	3
MDT-210	Statics and Strength of Material	3
MDT-213	Plant Engineering Graphics	3
MDT-255	Machine Design	3
MDT-278	Design Visualization	2
MDT-___	MDT Elective**	3
	Total semester hours	17

***MDT Electives include: MDT-100, 233, 237, 260, 275, 285, 288, 289*

Required Courses for the Bachelor of Science Degree in Industrial Technology at ISU (Bridge Courses)
It is recommended that these courses be completed prior to admission to ISU; however, students may choose to complete them at ISU.

Life Sciences (Any IAI approved Life Science)	4
MTH-143 Finite Mathematics or MTH-150 Calculus I/Analytic Geometry	4
PSC-110 American National Government	3
Total semester hours	11

Illinois State University
Bachelor of Science in Industrial Technology
Integrated Manufacturing Systems Sequence

NOTE: This articulation plan is based on the 2002/2003 and the 2003/2004 ISU Undergraduate Catalogs.

The Integrated Manufacturing Systems Sequence is an interdisciplinary curriculum that provides experiences in the following areas: Product Design, Process and Production Control, or Industrial Plastics. The goal of the sequence is to prepare professionals capable of managing projects and processes in industrial settings. Course work emphasizes the management of people, processes, and materials through hands-on activities. Initial employment opportunities include: project management, process control, production management, product design, quality control support, and technical sales.

JUNIOR YEAR

First Semester

COURSE	TITLE	HRS
CHE 102	Chemistry and Society	3
Humanities and Fine Arts (Student's choice as per IAI)*		3
TEC100	Introduction to Industrial Technology	1
TEC111	Foundations of Power Tech.	3
TEC 233	Metal Manufacturing	3
TEC 285	Industrial Plastics	3
	Total semester hours	16

Second Semester

COURSE	TITLE	HRS
ENG 145	Language and Composition II	3
Humanities and Fine Arts (Student's choice as per IAI)*		3
TEC 240	Electrical Circuits and Machines	3
TEC 270	Managing Technological Systems	3
HSC 271	Safety Technology	3
English 189.99	Writing exam	0
	Total semester hours	15

SENIOR YEAR

First Semester

COURSE	TITLE	HRS
An approved Integrated Mfg. Sys. Elective*		3
TEC 263	Fluid Power Mechanics	3
TEC 318	Product Modeling & Analysis	3
TEC 313	Quality Systems for Technology	3
TEC 330	Applied Economic Analysis for Tech.	3
	Total semester hours	15

Second Semester

COURSE	TITLE	HRS
Humanities and Fine Arts (Student's choice as per IAI)*		3
Social and Behavioral Sci. (Student's choice as per IAI)*		3
An approved Integrated Mfg. Sys. Elective*		3
TEC 392	Mfg. Organ. and Mngmt	3
TEC 320 or 398	Project Management or Prof. Practice	3
	Total semester hours	**15**

*See ISU advisor for approved General Education lists and IMS elective.

The constitution examination requirement can be met with the completion of PSC 110. The Science, Math and Technology requirement for the BS Degree can be met with the completion of TEC111. The University Writing Examination and Global Studies course are required for graduation. Also, a minimum of 42 Senior College Hours and 120 total hours are required for graduation.

	Suggested Articulation Plan	Contact Ken Stier				Contact	J C Malitzke, Dept Chair
	Moraine Valley Comm College	IMS Sequenc Coord					10900 S 88th Ave
	September 15, 2003	Dept of Technology					Moraine Valley Community College
		Illinois State University					Palos Hills, IL 60465-0937
	Mechanical Design Drafting/CADD	Normal, IL 61790-5100					Room T104
	ISU – Integrated Mfg Systems Sequence	(t)309-438-2384 (f)309-438-8626					Email Malitzke@morainevalley edu
	NOTE This articulation plan is based on the 2002/2003 and 2003/2004 ISU Undergrad Catalogs and MVCC 2003-05 catalog	stier@ilstu edu Advisor - Cathy McKay (t)309-438-2665 www tec ilstu edu					Phone 708-974-5401
	* Gen Ed based on Illinois Articulation Agreement						Chuck Bales Coordinator
ISU	IAI Categories & Required Major Courses				Moraine V		bales@morainevalley edu
Course No	Course Title	Hours	SR HR	Sem	Equivalent	Hours	Course Title
Communication (3 courses- 9 sem Hrs)							
ENG 101	Language & Composition I				COM 101	3	Composition I
ENG 145	Language & Composition II	3			ISU		
COM 110	Language & Communication				COM 103	3	Speech Fundamentals
Humanities & Fine Arts (3 courses- 9 sem Hrs)							
	Student's Choice as per IAI				Elective	3	Student's Choice as per IAI
	Student's Choice as per IAI	3			ISU		
	Student's Choice as per IAI	3			ISU		
Mathematics (1 course- 3 sem Hrs)							
MAT 120	Finite Mathematics				MTH 143 or 150	4	Finite Math or Analytic Geometry and Calculus
Physical and Life Sciences (2 courses- 7 sem Hrs)							
CHE 102	Chemistry & Society	3			ISU		
Elective	IAI Life Science					4	Student's Choice - Life Science Course
Social and Behavioral Sciences (3 courses- 9 sem Hrs)							
PSY 110	Explaining Human Behavior				PSY 101	3	Intro to Psychology
POS 105	American Gov't & Politics				PSC 110	3	American National Government
	Student's Choice as per IAI	3			ISU		
	Total (Min IAI 37 hours)						
Major Requirements - Industrial Technology							
ACS 155 02	Intro to Microcomputers				MDT 100**	2	Introd To Computer Graphics
MQM 100	Business & Economic Stats				MATH 135 or 151**	3	Tech Math or Analytic Geometry & Calc II
TEC 100	Intro to Ind Tech	1			ISU		
TEC 270	Managing Technological Systems	3	3		ISU		
TEC 313	Quality Systems for Tech	3	3		ISU		
TEC 330	Applied Econ Analysis for Technologists	3	3		ISU		
HSC 271	Safety Technology	3	3		ISU		
PHY 105	Fundamentals of Physics				PHY 150	4	Mechanics, Heat and Sound
Integrated Manufacturing Systems Core							
TEC 111	Foundations of Power Technology	3			ISU		
TEC 116	Technical Drawing				MDT 101	3	Introd To Drafting
TEC 130	Introduction to Manufacturing Processes				MTO 101	3	Introd To Machine Tools
TEC 216	Computer Aided Design & Drafting		3		MDT 160*	3	Introd To 3D Modeling
TEC 233	Metals Manufacturing	3	3		ISU		
TEC 240	Electrical Circuits and Machines	3	3		ISU		
TEC 263	Fluid Power Mechanics	3	3		ISU		
TEC 285	Industrial Plastics	3	3		ISU		
TEC 292	Materials Technology				MDT 210	3	Statics and Strength of Materials
TEC 392	Mfg Organ & Mngmt	3	3		ISU		
Integrated Manufacturing Systems Electives (12 hours required)							
	Student's Choice	6	6		ISU		
Plastics							
TEC 384	Plastics Molding Processes						
Process and Production Control							
TEC 234	Computer Controlled Equipment						
TEC 244	Digital Electronics						
TEC 345	Industrial Process Control						
Product Design							
TEC 212	Mechanism Design				MDT 205	3	Machine Elements
TEC 315	Computer Aided Design for Manufacturing						
TEC 317	Computer Aided Rendering						
TEC 318	Product Modeling & Analysis	3	3		ISU		
Department Electives (3 hours required)		3	3		ISU		
TEC 320	Project Management						
TEC 398	Professional Practice						
					General Electives		
	**Substitution waiver will be processed at ISU					18	MDT 106 110, 115 145, 209, 213, 220
		58	42			65	
* The student needs to achieve a "C" or better in TEC318 to receive senior hours and proficiency for MDT 160		Total	Sr Hr			Total	
Note The proficiency credit will be given for TEC216		BS	ISU			M V	