


Articulation Agreement
Between
Illinois State University
And
Moraine 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.

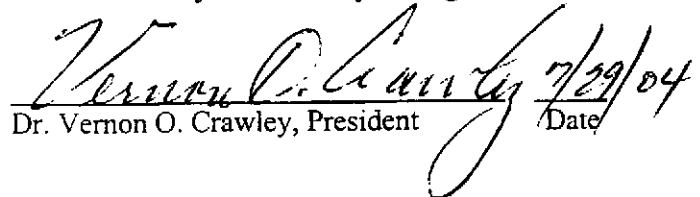
Illinois State University



Dr. Alan Bowman, President


6-23-07
Date

Moraine Valley Community College



Dr. Vernon O. Crawley, President

7/29/04
Date



Dr. W. Laurance Quane, Registrar

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			SOPHOMORE YEAR		
<u>First Semester</u>			<u>First Semester</u>		
COURSE	TITLE	HRS	COURSE	TITLE	HRS
COM-101	Composition I	3	MDT-205	Machine Elements	3
MDT-145	Introduction to CAD	3	MDT-209	Hydraulics and Pneumatics	2
MDT-101	Introduction to Drafting	3	MDT-220	Tool Drafting	3
MDT-135	Technical Math	5	MTH-142	Trigonometric Functions	2
MTO-101	Introduction to Machine Tools	<u>3</u>	PHY-150	Mechanics, Heat and Sound	4
	Total semester hours	17	MDT-____	MDT Elective*	<u>2</u>
				<i>Select MDT-100 for ISU</i>	
				Total semester hours	16
<u>Second Semester</u>			<u>Second Semester</u>		
COURSE	TITLE	HRS	COURSE	TITLE	HRS
MDT-110	Mechanical Detailing	3	COM-103	Speech Fundamentals	3
MDT-106	Mechanical Assemblies	2	MDT-210	Statics and Strength of Material	3
MDT-115	Applied GDT	2	MDT-213	Plant Engineering Graphics	3
MDT-160	Introd. To 3D Modeling	3	MDT-255	Machine Design	3
MET-104	Materials of Industry	2	MDT-278	Design Visualization	2
	General Education Requirement*	<u>3</u>	MDT-____	MDT Elective**	<u>3</u>
	<i>Select PSY-101 for ISU</i>			Total semester hours	17
	Total semester hours	15			

**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	<u>3</u>
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	<u>3</u>
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	<u>0</u>
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.	<u>3</u>
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	<u>3</u>
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	Contact		
Moraine Valley Comm College					Ken Stier	J C Malitzke, Dept Chair		
September 15, 2003					IMS Sequenc Coord	10900 S 88th Ave		
					Dept of Technology	Moraine Valley Community College		
					Illinois State University	Palos Hills, IL 60465-0837		
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		
* Gen Ed based on Illinois Articulation Agreement						bales@morainevalley.edu		
ISU	IAI Categories & Required Major Courses	Hours	SR HR	Sem	Moraine V 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 Govt & 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				ISU			
TEC 317	Computer Aided Rendering				ISU			
TEC 318	Product Modeling & Analysis	3	3		ISU			
Department Electives (3 hours required)								
TEC 320	Project Management							
TEC 398	Professional Practice							
**Substitution waiver will be processed at ISU								
		58	42			18	MDT 106 110, 115 145, 209, 213, 220	
						65		
* The student needs to achieve a "C" or better in TEC318 to receive senior hours and proficiency for MDT 160					Total		Total	
Note The proficiency credit will be given for TEC216					BS	ISU	M	V