

**ARTICULATION AGREEMENT**  
**between**  
**INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS**  
**AND IVY TECH STATE COLLEGE-INDIANAPOLIS**

for the following programs:

DESIGN TECHNOLOGY - TECHNICAL ILLUSTRATION OPTION (A.A.S.)  
to  
COMPUTER INTEGRATED MANUFACTURING TECHNOLOGY (B.S.)  
(MANUFACTURING GRAPHICS COMMUNICATION OPTION)

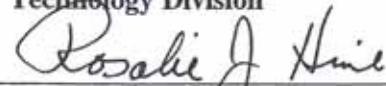
The purpose of this Articulation Agreement is to provide a framework for students at Ivy Tech State College-Indianapolis to continue their formal education. These students have indicated that Indiana University Purdue University Indianapolis (IUPUI) is their selection for continuing their education in order to complete the requirements of the baccalaureate degree program.

To ensure a smooth transition to the baccalaureate degree program at IUPUI, the faculty of both institutions have developed the attached listing of course equivalencies approved for transfer beginning with the Fall Semester 1999-2000. The course listing consists of two parts. Part I identifies each course in the Ivy Tech State College-Indianapolis syllabus and exactly how that course will appear on the students official IUPUI transcript upon completion of the transfer. Part II, prepared for use by IUPUI academic advisors, details precisely how each of the transferred courses will be integrated into the student's academic program at IUPUI. To ensure consistency and accuracy, these documents must be periodically reviewed by representatives from both institutions to communicate and update information regarding curriculum and textbooks. A grade of "C" or above must be earned in a course in order to obtain credit toward the baccalaureate degree.

Courses completed prior to Fall 1999, will be evaluated by faculty from IUPUI in order to determine the transferability of the course work. This Articulation Agreement, including any modifications, may be reviewed by either institution upon request. *While all parties to this agreement understand its purpose is to maximize opportunities for individual students, they also recognize that limits may be placed on courses accepted under provisions of this agreement should the student subsequently decide to change to another program other than that covered by this agreement.*



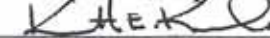
Michael DeBourbon, Chair  
Technology Division



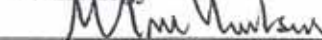
Dr. Rosalie Hine, Dean of Instruction  
Ivy Tech State College  
Indianapolis



Douglas Acheson, Director  
Computer Graphics Technology



Kenneth E. Rennels, Chair  
Department of Mechanical Engineering  
Technology



Dr. H. Öner Yurtseven, Dean  
Purdue School of Engineering and Technology  
Indiana University Purdue University Indianapolis

March 2, 2001

# PART I - - DESIGN TECHNOLOGY (TECHNICAL ILLUSTRATION) ARTICULATION PLAN

(Approved March 2, 2001)

IVY TECH STATE COLLEGE

DESIGN TECHNOLOGY -

TECHNICAL ILLUSTRATION (A.A.S.) PROGRAM

IUPUI

COMPUTER GRAPHICS TECHNOLOGY

MFG. GRAPHICS COMM. OPT. (B.S.) PROGRAM

<u>Course No.</u>	<u>Course Title</u>	<u>Credit</u>	<u>Course No.</u>	<u>Course Title</u>	<u>Credit</u>
<i>First Semester</i>					
ART 111	Drawing for Visualization	3	CGT 112	Sketching for Visual & Communication	3
DSN 103	CAD Fundamentals	3	CGT #1XX	CAD Fundamentals	3
MAT 111	Intermediate Algebra	3	--	[Credit Not Accepted for CGT Major]	-
TEC 102	Technical Graphics	3	CGT #100	Technical Graphics	3
TEC 104	Computer Fundamentals for Technology	3	CPT #100	Computer Fundamentals for Technology	3
<i>Second Semester</i>					
ART 112	Electronic Layout	3	CGT #1XX	Electronic Layout	3
DSN 220	Advanced CAD (3D)	3	CGT #2XX	Advanced CAD (3D)	3
DSN 221	Statics	3	CET 160	Statics	3
COM 101	Fundamentals of Public Speaking	3	COM R110	Fundamentals of Speech Communication	3
VIS 102	Fundamentals of Imaging	3	CGT 211	Raster Imaging for Computer Graphics	3
<i>Third Semester</i>					
DCT 113	Intermediate CAD	3	CGT #1XX	Intermediate CAD	3
DSN 106	Descriptive Geometry	3	CGT #1XX	Descriptive Geometry	3
MAT 121	Geometry/Trigonometry	3	--	[Credit Not Accepted for CGT Major]	-
VIS 101	Fundamentals of Design	3	CGT 111	Design for Visual & Communication	3
ENG 111	English Composition	3	ENG W131	Elementary Composition I	3
ART 116	Electronic Illustration	3	CGT 117	Illustrating for Visualization & Comm.	3
<i>Fourth Semester</i>					
ART 114	Graphic Design	3	CGT #1XX	Graphic Design	3
VIS 105	Video and Sound	3	CGT #1XX	Video and Sound	3
VIS 209	3D Rendering and Animation	3	CGT 241	Intro. to Animation & Spatial Graphics	3
PHY 101	Physics I	4	PHYS 218	General Physics	4
ELECTIVE	Humanities/Social Science Elective	3	--	[If on list of transferable courses]	1/
Total Hours Approved for Articulation		48-51	Total Replaced by Articulation		48-51
Hours Approved for Transfer Credit but not Counting for the Degree at IUPUI		7	Additional Hours Remaining for Degree		71-74
TOTAL HOURS REQUIRED FOR ASSOCIATE DEGREE AT IVY TECH STATE COLLEGE		64	TOTAL HOURS REQUIRED FOR BACHELOR OF SCIENCE IN COMP. GRAPHICS TECH. DEGREE		122

PART I has been prepared by faculty members at the Purdue School of Engineering and Technology in order to identify each course in the Ivy Tech State College-Indianapolis syllabus and explain in advance exactly how that course will appear on the students official academic transcript upon completion of the transfer. See PART II that follows for an itemization of specific substitutions and remaining degree requirements. Please consult with an academic advisor at either institution if more information is needed.

1/ Please refer to 'PASSPORT', the official list of all courses approved for transfer of credit between Ivy Tech State College and IUPUI.

## PART II - - DESIGN TECHNOLOGY (TECHNICAL ILLUSTRATION) ARTICULATION PLAN

(FOR COURSES COMPLETED AT IVY TECH STATE COLLEGE BEGINNING FALL SEMESTER 1999)  
(Approved March 2, 2001)

### IUPUI SYLLABUS

COMPUTER GRAPHICS TECHNOLOGY (B.S.)  
MFG. GRAPHICS COMMUNICATIONS OPT.

### IVY TECH STATE COLLEGE COURSES DESIGN TECHNOLOGY -

TECHNICAL ILLUSTRATION (A.A.S.) PROGRAM

Course No.	Course Title	Credit	Course No.	Course Title	Credit
<i>First Semester</i>					
CGT 100	Computer Graphics Lectures	1	_____	_____	_____
CGT 106	Using a Personal Computer	3	CPT #1XX	Using a Personal Computer (CGT 106)	3
CGT 111	Design for Visual & Communication	3	VIS 101	Fundamentals of Design	3
CGT 112	Sketching for Visual and Communication	3	ART 111	Drawing for Visualization	3
ENG W131	Elementary Composition I	3	ENG 111	English Composition	3
MATH 153	Algebra and Trigonometry I	3	_____	_____	_____
<i>Second Semester</i>					
CGT 116	Geometric Model for Visual & Comm.	3	CGT #2XX	Advanced CAD (3D) (DSN 220)	3
CGT 117	Illustrating for Visualization & Comm.	3	ART 116	Electronic Illustration	3
COM R110	Fund. of Speech Communication	3	COM 101	Speech	3
MATH 154	Algebra and Trigonometry II	3	_____	_____	_____
ELECTIVE	Free Elective	3	CGT #1XX	Descriptive Geometry (DSN 106)	3
<i>Third Semester</i>					
CGT 211	Raster Imaging for Computer Graphics	3	VIS 102	Fundamentals of Imaging	3
CGT 226	Intro. to Constraint-Based Modeling	3	_____	_____	_____
IET 104	Industrial Organization	3	_____	_____	_____
ELECTIVE	Science Elective	3	PHY 101	Physics I	4
CPT 140	Prog. Constructs Visual BASIC	3	_____	_____	_____
<i>Fourth Semester</i>					
CGT 216	Vector Imaging for Computer Graphics	3	_____	_____	_____
CGT 323	Introduction to 3D Surface Geometry	3	_____	_____	_____
CSCI N335	Introduction to Virtual Reality	3	_____	_____	_____
MET 141	Materials I	3	_____	_____	_____
CPT 288	Using a Database Management System	3	_____	_____	_____

PART II has been prepared for use by IUPUI academic advisors and details precisely how each of the transferred courses will be integrated into the student's academic program at the Purdue School of Engineering and Technology resulting from an articulation agreement between IUPUI and Ivy Tech State College-Indianapolis. Changes and/or course substitutions may not be made without authorization from the Chair, Department of Mechanical Engineering Technology at IUPUI. Use of this guide for advising other students may be inappropriate.

**PART II - - DESIGN TECHNOLOGY (TECHNICAL ILLUSTRATION)  
ARTICULATION PLAN  
(FOR COURSES COMPLETED AT IVY TECH STATE COLLEGE BEGINNING FALL SEMESTER 1999)  
(Approved March 2, 2001)**

**IUPUI SYLLABUS**

**COMPUTER GRAPHICS TECHNOLOGY (B.S.)  
MFG. GRAPHICS COMMUNICATION OPT.**

**IVY TECH STATE COLLEGE COURSES  
DESIGN TECHNOLOGY -**

**TECHNICAL ILLUSTRATION (A.A.S.) PROGRAM**

<u>Course No.</u>	<u>Course Title</u>	<u>Credit</u>	<u>Course No.</u>	<u>Course Title</u>	<u>Credit</u>
<i>Fifth Semester</i>					
CGT 241	Intro. to Animation & Spatial Graphics	3	VIS 209	3D Rendering and Animation	3
CGT 326	Manufacturing Graphics Standards	3	_____	_____	_____
MET 142	Manufacturing Processes I	3	_____	_____	_____
TCM 370	Oral Practicum for Technical Managers	3	_____	_____	_____
ELECTIVE	Liberal Arts Elective	3	_____	_____	_____
<i>Sixth Semester</i>					
CGT 251	Principles of Creative Design	3	CGT #1XX	Graphic Design (ART 114)	3
CGT 341	Animation of Computer Graphics	3	_____	_____	_____
ELECTIVE	Technical Elective	3	CGT #1XX	CAD Fundamentals (DSN 103)	3
			<i>or</i>	<i>or</i>	
			CGT #1XX	Intermediate CAD (DSN 113)	
TCM 220	Technical Report Writing	3	_____	_____	_____
	<i>or</i>				
TCM 340	Corres. in Business and Industry				
MET 242	Manufacturing Processes II	3	_____	_____	_____
<i>Seventh Semester</i>					
CGT 411	Contemporary Problems in A.C.G.	3	_____	_____	_____
CGT 415	Seminar for Senior Design Project	1	_____	_____	_____
CGT 423	Document Production & Management	3	_____	_____	_____
BUS L203	Commercial Law I	3	_____	_____	_____
ELECTIVE	Liberal Arts Elective	3	_____	_____	_____
ELECTIVE	Free Elective	3	CGT #1XX	Technical Graphics (TEC 102)	3
<i>Eighth Semester</i>					
CGT 416	Senior Design Project	3	_____	_____	_____
IET 350	Engineering Economy	3	_____	_____	_____
ELECTIVE	Technical Elective	3	CET 160	Statics	3
ELECTIVE	Humanities/Social Science Elective	3	--	<i>[If on list of transferable courses]</i>	0 to 3
ELECTIVE	Free Elective	3	CGT #1XX	Video and Sound (VIS 105)	3
Total Hours Replaced by Articulation		48-51	Total Hours Approved for Transfer		55-58
Surplus Hours/Hours Excluded		7	Less Excess for Specific Substitutions		0
			Less Surplus Hours Not Counted		7
Additional Hours Remaining for Completion		71-74	Total Hours Accepted Toward Degree		48-51
TOTAL HOURS REQUIRED FOR GRADUATION		122	ADDITIONAL HOURS REMAINING TO EARN DEGREE		71-74

PART II has been prepared for use by IUPUI academic advisors and details precisely how each of the transferred courses will be integrated into the student's academic program at the Purdue School of Engineering and Technology resulting from an articulation agreement between IUPUI and Ivy Tech State College-Indianapolis. Changes and/or course substitutions may not be made without authorization from the Chair, Department of Mechanical Engineering Technology at IUPUI. Use of this guide for advising other students may be inappropriate.