

## STUDENT ACADEMIC PLAN

<b>Ivy Tech Community College</b>				<b>School of Technology</b>					
<b>Northwest</b>				<b>Design Technology (DESN) AAS</b>					
FIRST NAME:		C#		H/M PHONE:					
LAST NAME:		E-MAIL		WORK PHONE:					
Application: YES ___ NO ___				TRANSCRIPT: HS ___ GED ___ COLLEGE ___					
<b>Comp</b>	<b>Reading</b>		<b>Comp</b>	<b>Writing</b>		<b>Comp</b>	<b>Math</b>		<b>Degree Objective:</b>
49-79	ENGL 083	_____	32-69	ENGL 093	_____	Prealgebra 22+	MATH 015	_____	AAS ___ AS ___
80-100	NONE	_____	70-100	ENGL 111	_____	Algebra 24+	MATH 023	_____	TC ___ CDC ___
						Algebra 35+	MATH 035	_____	CO ___
						Algebra 52+	MATH 043	_____	
<b>CURRICULUM SCHEDULE</b>								<b>Effective Fall '11</b>	
<b>Course</b>	<b>Name</b>			<b>CR</b>	<b>Prerequisites</b>		<b>Semester</b>		<b>Grade</b>
							plan	taken	
<b>Semester I (FALL) - 13-15 credits</b>									
DESN	102	Technical Graphics			3				
DESN	103	CAD Fundamentals			3				
^^IVYT	1__	_____			1-3				
*	_____	_____			3				
*	_____	_____			3				
<b>Semester II (SPRING) - 12 credits</b>									
DESN	106	Descriptive Geometry			3	DESN 102			
DESN	220	Advanced CAD			3	DESN 102, DESN 103			
MATH	136	College Algebra			3	MATH 035 & MATH 043			
*	_____	_____			3				
<b>Summer Semester - 6 credits</b>									
ENGL	111	English Composition			3	ENGL 083 & ENGL 093			
**	_____	_____			3				
<b>Semester III (FALL) - 15 credits</b>									
MATH	137	Trigonometry with Analytic Geometry			3				
METC	106	Introduction to Engineering Technology			3				
DESN	113	Intermediate CAD			3	DESN 103			
DESN	221	Statics			3	MATH 121 or MATH 137			
*	_____	_____			3				
<b>Semester IV (SPRING) - 16 credits</b>									
COMM	101	Fundamentals of Public Speaking			3	ENGL 083 & ENGL 093			
^DESN	225	Portfolio Preparation			3	DESN 220			
PHYS	101	Physics I			4	MATH 121 or 137			
*	_____	_____			3				
*	_____	_____			3				
* Technical elective see the reverse side									
**Humanities/Social Sciences Elective									
^ Capstone course									
^^ IVYT elective course is required if program ready; IVYT 101 or IVYT 120 is required in the first semester if one or two ASA courses needed; IVYT 120 is required in the first semester if three or more ASA courses needed.									
The School of Technology reserves the right to change the schedule due to enrollment considerations, program revisions, or unforeseen circumstances. It is the student's responsibility to meet all prerequisites as outlined by the program.									
Projected Completion Date: _____									
Student's Signature: _____							Date: _____		

<b>*Technical Elective Courses:</b>							
Course	Name	CR	Prerequisites	Semester		Grade	
				plan	taken		
<b>Architecture emphasis (ARH)</b>							
DESN	105	Architectural Design I	1	DESN 103			
DESN	109	Construction Materials and Specifications	3				
DESN	204	Architectural Design II	3	DESN 105			
DESN	208	Structural Design and Detailing	3	DESN 103, DESN 109, MATH 0			
DESN	209	Estimating	3	DESN 109			
DESN	210	Surveying	3	MATH 137			
DESN	211	Commercial Structures I	3	DESN 204			
DESN	222	Strength of Materials		DESN 221			
DESN	280	Co-op/Internship		Advisor approval			
INDT	100	Computer Fundamentals for Technology					
<b>Computer Graphics emphasis (CGR)</b>							
CINS	101	Introduction to Microcomputers	1				
CINS	157	Web Site Development	3	CINS 101			
DESN	130	Fundamentals of Computer Graphics	1				
DESN	131	Industrial Sketching	3				
DESN	132	Raster Imaging (Photoshop)	3				
DESN	133	Vector Imaging (Illustrator)	3	DESN 130			
DESN	138	2D Animation	3	DESN 130			
DESN	230	Computer Modeling and Animation		DESN 103			
DESN	280	Co-op/Internship		Advisor approval			
INDT	100	Computer Fundamentals for Technology	3				
VISC	102	Fundamentals of Imaging	3				
<b>Mechanical emphasis (MCH)</b>							
ADMF	115	Materials and Processes for Manufacturing	3	INDT 113			
DESN	104	Mechanical Graphics	3	DESN 103			
DESN	201	Schematics	3				
DESN	206	Mechanical & El. Equipment	3	DESN 103			
DESN	214	Kinematics of Machinery	3	DESN 104			
DESN	217	Design Process and Application	3	DESN 114			
DESN	222	Strength of Materials		DESN 221			
DESN	230	Computer Modeling and Animation		DESN 103			
DESN	280	Co-op/Internship		Advisor approval			
INDT	100	Computer Fundamentals for Technology	3				
INDT	104	Fluid Power	3	MATH 015			
INDT	113	Basic Electricity	3	MATH 015			