

AS INFORMATICS to Indiana Tech BS Networking

Ivy Tech Courses		Indiana Tech Courses		Equivalency	
Written Communication					
	ENGL 111	English Composition	3	ENG 1252	Argumentative Writing
	ENGL 215	Rhetoric and Argument	3	ENG 1272	Analytical Writing
Speaking and Listening					
	COMM 101	Fundamentals of Public Speaking	3	COMM 1400	Public Communication (APP EL)
	COMM 102	Introduction to Interpersonal Communication	3	COMM 2350	Interpersonal Communication (APP EL)
Quantitative Reasoning - 6-12 CREDITS					
	MATH 136	College Algebra	3	MA 1030	College Algebra
	MATH 137	Trigonometry with Analytic Geometry	3	MA 1055	Trigonometry (SUB for MA 1030)
	MATH 200	Statistics	3	MA 2025	Foundations of Statistics
	MATH 201	Brief Calculus I	3	MA 1100	Applied Calculus (Prof credit for MA 1030)
	MATH 202	Brief Calculus II	3	MA 1110	Applied Calculus II (Prof credit for MA 1030)
	MATH 211	Calculus I	4	MA 1200	Calculus I (Prof credit for MA 1030)
	MATH 212	Calculus II	4	MA 1210	Calculus II (Prof credit for MA 1030)
Scientific Ways of Knowing - 6-12 CREDITS					
	PHYS 220	Mechanics	5	PH 1300\10	Physics I (SCI EL)
	PHYS 221	Heat, Electricity, & Optics	5	PH 2300\10	Physics II (APP EL)
Social and Behavioral Ways of Knowing - 3-6 CREDITS					
		Social and Behavioral Ways of Knowing	6	SS\PSY EL	Social Science or Psychology Elective
Humanistic and Artistic Ways of Knowing - 3 CREDITS					
		Humanistic Ways of Knowing	3	HUM EL/HUM LIT EL	Humanities/Humanities Literature Elective
OTHER INSTITUTIONAL REQUIREMENTS					
	IVY I 111	Student Success in University Transfer	1	NC	
^	CPIN 279	Computing and Informatics Exploration and Evaluation	1	NC	
PROGRAM SPECIFIC CORE					
	CPIN 239	Systems Analysis and Design	3	APP 1EL	Approved Elective (APP EL)
	CSIA 105	Introduction to Cyber Security/Information Assurance	3	CYS 1100	Introduction to Cybersecurity
	DBMS 110	Introduction to Data Analytics	3	CS 2500	Database Systems
	INFM 109	Informatics Fundamentals	3	IS 1100	Introduction to Information Systems*
	ITSP 135	Hardware / Software Support	4	NET 1500	Circuits and Signals*
	NET 104	Introduction to Networking		NET 1100	Introduction to Networking*
	or				
	NET 105	Network Fundamentals	3	NET 1200	Network Design I
	or				
	NET 109	Networking I	3	NET 1200	Network Design I
	SDEV 153	Web Site Development	3	IS 2100	Web Development*
Choose 3 credits from the following:					
	SDEV 120	Computing Logic	3	CS 1250	Problem Solving for Programmers
	CSCI 105	Discrete Logic for Computers	3	CS 2010	Discrete Math for Computing
		Choose 3 credits from the following:			
	SDEV 140	Introduction to Software Development	3	IS 1300	Programming I
	CSCI 101	Computer Science I	3	CS 1300	

* = not needed in the current degree program