

## AAS COMPUTER SCIENCE to Indiana Tech BA Computer Science

Ivy Tech Courses		Indiana Tech Course	Equivalency
<b>Written Communication</b>			
ENGL 111	English Composition	3 ENG 1252	Argumentative Writing
<b>Speaking and Listening</b>			
COMM 101	Fundamentals of Public Speaking	3 COMM 1400	Public Speaking (APP EL)
<b>Quantitative Reasoning</b>			
MATH 211	Calculus I	4 MA 1200	Calculus I
MATH 212	Calculus II	4 MA 1210	Calculus II
<b>Scientific Ways of Knowing - 10 CREDITS</b>			
Choose one of the following tracks:			
<b>Biology Track</b>			
BIOL 105	Biology I	5 BIO 1350/60 (APP EL)	General Biology II and Lab (SCI EL)
BIOL 107	Biology II	5 BIO 1330/40 (APP EL)	General Biology I and Lab (SCI EL)
<b>Chemistry Track</b>			
CHEM 105	General Chemistry I	5 CH 1220	Chemistry I
CHEM 106	General Chemistry II	5 CH 1230 (APP EL)	Chemistry II (APP EL)
<b>Physics Track</b>			
PHYS 220	Mechanics	5 PH 1300\1310	Physics I (APP EL)
PHYS 221	Heat, Electricity, and Optics	5 PH 2300\2310	Physics II (APP EL)
<b>Social and Behavioral Ways of Knowing - 3 CREDITS</b>			
SOCI 111	Introduction to Sociology	3 SS 2800	Introduction to Sociology
<b>Humanistic and Artistic Ways of Knowing - 3 CREDITS</b>			
PHIL 102	Introduction to Ethics	3 HUM 3710	Ethics
<b>OTHER INSTITUTIONAL REQUIREMENTS</b>			
IVYT 115	Student Success in Computing and Informatics	1 NC	NO CREDIT
^ CSCI 279	Computer Science Capstone	1 NC	NO CREDIT
<b>PROGRAM SPECIFIC CORE</b>			
CSCI 101	Computer Science I	3 CS 1300	Computer Science I
CSCI 201	Computer Science II	3 CS 1350	Computer Science II
CSCI 105	Discrete Logic For Computers	3 CS 2010	Discrete Math for Computing (APP EL)
CSCI 202	Data Structures	3 CS 3800	Data Structures and Algorithms
CSCI 210	Database Systems	3 CS 2500	Database Systems
INFM 109	Informatics Fundamentals	3 IS 1150	Principles of Information Systems (APP EL)
SDEV 120	Computing Logic	3 CS 1250	Problem Solving for Programmers (APP EL)
SDEV 265	Systems/Software Analysis and Projects	3 APP EL	Approved Elective*
SDEV 200	Software Development Using Java	3 IS 2300	Programming II*
SDEV 271	WF Prep: Oracle Java Foundations	NC	NO CREDIT
* = not needed in the current degree program			