Goshen College — Ivy Tech Transfer Pathway

Ivy Tech Associate's Degree to Goshen College Bachelor's Degree

*Students who earn an associate's degree will have a **seamless pathway** to a Goshen College Bachelor's degree.*

Ivy Tech associate's degree in computer science			Goshen College bachelor's degree in computer science		
Semester 1 Ivy Tech courses			**GC equivalent courses**		
ENGL 111	English Composition	3	ENGL 105	Intro to College Writing	3
ITSP 135	Hardware/Software Support	4		IT Related Course	4
IVYT 115	Student Success in Computing & Information	1		Elective	1
SDEV 120	Computer Logic	3	COSC 206	Logic & Language of Programming	3
	Humanistic & Artistic Ways of Knowing	3-4		Artistic World	3-4
		Semester total: **14**			Semester total: **14**
Semester 2 Ivy Tech courses			**GC equivalent courses**		
COMM 101	Fundamentals of Public Speaking	3	CORE 110	Academic Voice	3
CSCI 101	Computer Science I	3	COSC 216	Programming I	3
CSCI 105	Discrete Logic For Computers	3	MATH 205	Discrete Math	3
	Social and Behavioral Ways of Knowing	3-4		Social World	3-4
MATH 211	Calculus I	4	MATH 211	Calculus I	4
		Semester total: **16**			Semester total: **16**
Semester 3 Ivy Tech courses			**GC equivalent courses**		
MATH 212	Calculus II	4	MATH 212	Calculus II	4
CSCI 210	Database Systems	3	COSC 366	Database Design	3
CSCI 201	Computer Science II	3		Elective	3
	Scientific Ways of Knowing	5		Natural World	5
		Semester total: **15**			Semester total: **15**
Semester 4 Ivy Tech courses			**GC equivalent courses**		
CSCI 279	Computer Science Capstone	1		Elective	1
SDEV 265	Systems/Software Analysis and Projects	3	COSC 406	Systems Analysis	3
CSCI 202	Data Structures (plus CSCI 201)	3	COSC 316	Programming II	3
	SDEV 200, 210, 220, or 240	3		Elective	3
	Scientific Ways of Knowing	5		Science elective	5
		Semester total: **15**			Semester total: **15**
		Ivy Tech total credits: **60**			Goshen College total transfer credits: **60**

All courses with a grade of C or higher will transfer

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Remaining course requirements at Goshen College

Core Requirements (12-16 credits)		
CORE 106	Culture and Community	3
	CORE 120, PX, or RW	3
	*SST Alternate Course	3
CORE 300	*Global Issues	3
	**Foreign Language	4
Remaining Computer Science Requirements (29 credits)		
COSC 346	Human Computer Interaction	3
COSC 356	Computer Networking & Security	3
COSC 360	Operating Systems	3
COSC 365	Analysis of Algorithms	3
COSC 375	Topics in Computer Science	3
COSC 409	Internship	3
COSC 410	Senior Seminar	1
COSC 416	Project Management	3
MATH 301	Linear Algebra	3
PHYS 304	Electronics	4
Remaining electives (15-19 credits)		
	Elective classes or potential minor	15-19

*Students interested in a semester abroad may talk to an advisor about scheduling options.

**Foreign language competency required, not credit hours.

Sample Goshen College schedule

*This is a **tentative plan of study** following transfer from Ivy Tech with associate's degree. Please meet with an academic advisor to create an official plan.*

GC Semester 1		
CORE 106	Culture and Community	3
COSC 356	Computer Networking & Security	3
MATH 301	Linear Algebra	3
PHYS 304	Electronics	4
	Semester total:	**13**

GC Semester 2		
	CORE 120, PX, or RW	3
COSC 365	Analysis of Algorithms	3
COSC 375	Special Topics in Computer Science	3
	*SST Alternate course	3
	Elective	3
	Semester total:	**15**

GC May term		
	Elective	3
	Semester total:	**3**

GC Semester 3		
COSC 360	Operating Systems	3
COSC 410	Senior Seminar	1
CORE 300	*Global Issues	3
	Foreign Language	4
	Elective	3
	Semester total:	**14**

GC Semester 4		
COSC 416	Project Management	3
COSC 409	Internship	3
	Elective	3
	Elective	3
	Semester total:	**12**

GC May term		
COSC 346	Human Computer Interaction	3
	Semester total:	**3**

Ivy Tech transfer credits: **60**
Goshen College credits: **60**

Total credit requirement for BA Degree: 120