

PATHWAY TO DEGREE COMPLETION - 4 YEAR PLAN

Associate of Science to

Bachelor of Science in Computer Science

Completion of the following curriculum will satisfy the requirements for the **Associate of Science** degree at KCTCS and leads to the **Bachelor of Science in Computer Science with a Minor in Computer Information Technology** degree at Northern Kentucky University.

Admission Requirements for Bachelor of Science in Computer Science

Students in computer science begin their study with a basic core of informatics coursework, then move on to a chain of courses designed to build their software development skills.

KCTCS AS DEGREE TO BS IN COMPUTER SCIENCE CHECKLIST

Category I: General Education Core					
Category	KCTCS Course	Suggested Semester	Hours	NKU Course	✓
Written Communication (WC)	ENG 101	1	3	ENG 101	
Written Communication (WC)	ENG 102	2	3	ENG 291	
Oral Communication (OC)	COM 181	1	3	CMST 101	
Arts & Humanities (AH) Heritage	TBS XXX	1	3	TBD XXX	
Arts & Humanities (AH) Humanities	TBS XXX	2	3	TBD XXX	
Social & Behavioral Sciences (SB)	TBS XXX	3	3	TBD XXX	
Social & Behavioral Sciences (SB)(Culture Studies Course)	TBS XXX	4	3	TBD XXX	
Natural Science with Lab (SL)	PHY 231/241	4	4	PHY 220, PHY 200T	
Natural Sciences (NS)	TBS XXX	3	3	TBD XXX	
Quantitative Reasoning (QR)	MAT 150	1	3	MAT 109	
Quantitative Reasoning (QR)	MAT 174	2	3	MAT 114	
Total General Education Core			34		
Category II: AS Requirements or NKU Program Requirements					
Quantitative Reasoning (QR)	MAT 160	3	3	MAT 119	
Quantitative Reasoning (QR)	STA 220	4	3	STA 212	
General Education Elective (GE)	TBS XXX	2	3	TBD XXX	
General Education Elective (GE)	TBS XXX	3	3	TBD XXX	
Category III: Program Requirements					
Computer Literacy	*CIT 105 (if needed)	1	0-3	INF 101	
	CIT 111	3	4		
	CIT 120	1	3	NA	
	CIT 144		3	INF 120	
	CIT 155	2	3	INF 286	
	CIT 170		3	INF 282	
	CIT 180		3	CIT 285	
Taken @ KCTCS to finish in 2 years @ NKU	CIT 149		3	CSC 260	
Taken @ KCTCS to finish in 2 years @ NKU	CIT 249		3	CSC 360	
Taken @ KCTCS to finish in 2 years @ NKU	MAT 175		3	MAT 128	
Total Associate Degree Requirements			74-77		
*CIT 105 may not be needed if student can test out of requirement TBS=to be selected by Gateway student TBT=to be determined by NKU based on course selected at Gateway					

Category IV – Major Requirements for BS in Computer Science and Minor in Computer Information Technology

Category	KCTCS Course	Grade	Hours	NKU Course
Taken while at GCTC	CIT 144		3	INF 120
Taken while at GCTC	CIT 170		3	INF 282
	CIT 160		3	CIT 247
Taken while at GCTC	CIT 155		3	INF 286
Taken while at GCTC	CIT 149		3	CSC 260
Taken while at GCTC	CIT 249		3	CSC 360
			3	CSC 362
			3	CSC 364
			3	CSC 402
			3	CSC 439
			3	CSC 440
			3	CSC 460
			3	CSC 485
			3	Select one 300/400 level CIT course
			6	2 – 400 level CSC Courses (only one of CSC 415 or CSC 416 may count toward this requirement)
Taken while at GCTC	MAT 175		3	MAT 128
			3	MAT 227
			3	MAT 228
			3	STA 250
			3	MAT 385
			3	CIT 130
			3	CIT 271 or CIT 371
			3	Select one 300/400 level CIT course
			6	Select 6 hours of INF, CIT or CSC courses not
	Total NKU Hours		60	
	Total Hours		134-137	