

## ***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) – (suggested GLY 101 and 111)	TBS XXX	4	4	TBD XXX	
Natural Sciences (NS) (Recommended BIO 120)	TBS XXX	3	3	TBD XXX	
Quantitative Reasoning (QR)	MAT 150	1	3	MAT 109	
Quantitative Reasoning (QR)	MAT 155	2	3	MAT 119	
<b>Total General Education Core</b>			<b>34</b>		
Category II: AS Requirements or NKU Program Requirements					
Quantitative Reasoning (QR) or Natural Science (NS)	TBS XXX	3	3	TBD XXX	
Quantitative Reasoning (QR) or Natural Science (NS)	TBS XXX	4	3	TBD XXX	
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	INF 120	
	CIT 149	2	3	CSC 260	
	CIT 155	2	3	INF 286	
	CIT 249	3	3	CSC 360	
<b>Total Associate Degree Requirements</b>			<b>63-66</b>		
*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 120			INF 120
			3	INF 282
CIT 247 is a requirement for the CIT minor at NKU. Either CIT 247 or INF 284 is required for the computer science major at NKU. Taking CIT 160 at KCTCS will account only for INF 284 as transfer credit and students will still be required to take CIT 247. Therefore, it is advised that students who intend on transferring to NKU to enroll in the CIT program do not take CIT 160 and take CIT 247 once at NKU.	CIT 160 (for INF 284)		3	INF 284 or CIT 247
Taken while at GCTC	CIT 155			INF 286
Taken while at GCTC	CIT 149			CSC 260
Taken while at GCTC	CIT 249			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)
			3	MAT 128
			3	MAT 227
			3	MAT 228
			3	STA 250
			3	MAT 385
Taken while at GCTC	CIT 111			CIT 130
			3	CIT 247
			3	CIT 271 or CIT 371
			3	Select one 300/400 level CIT course
	Total NKU Hours		60	
	Total Hours		123-126	

