KCTCS AS DEGREE TO BS IN COMPUTER SCIENCE CHECKLIST
MINOR IN MATHEMATICS

Because of the high number of math courses required of the Bachelor in Computer Science, many students opt to minor in math, as only four additional courses are required.

Category I: General Education Core					
Category	**KCTCS Course**	**Suggested Semester**	**Hours**	**NKU Course**	✔
Written Communication (WC)	ENG 101		3	ENG 101	
Written Communication (WC)	ENG 102		3	ENG 291	
Oral Communication (OC)	COM 181		3	CMST 101	
Arts & Humanities (AH) Heritage	TBS XXX		3	TBD XXX	
Arts & Humanities (AH) Humanities	TBS XXX		3	TBD XXX	
Social & Behavioral Sciences (SB)	TBS XXX		3	TBD XXX	
Social & Behavioral Sciences (SB) Cultural Studies Course	TBS XXX		3	TBD XXX	
Natural Science with Lab (SL)	TBS XXX		4	TBD XXX	
Natural Sciences (NS)	TBS XXX		3	TBD XXX	
Quantitative Reasoning (QR)	MAT 150		3	MAT 109	
Quantitative Reasoning (QR)	MAT 155 or 160		3-5	MAT 119	
Total General Education Core			**34-36**		
Quantitative Reasoning (QR)	To be taken at NKU		3	MAT 128	
Quantitative Reasoning (QR)	STA 220		3	STA 212	
General Education Elective (GE)	TBS XXX		3	TBD XXX	
General Education Elective (GE)	TBS XXX		3	TBD XXX	
Computer Literacy	*CIT or OST 105(if needed)		0-3	BIS 101	
(Prerequisite for CIT 149 and needed for NKU)	CIT 120		3	INF 120	
	CIT 149		3	INF 260	
	CIT 170		3	INF 282	
	CIT 160		3	INF 284	
	CIT 155		3	INF 286	
	CIT 249		3	CSC 260	
	CIT 253**		3	CSC 301	

Total Associate Degree Requirements		67 - 70		

*CIT 105 may not be needed if student can test out of requirement
**Has pre-requisite of CIT 150, however, CIT 155 can also be used with departmental approval.
TBS=to be selected by JCTC student
TBT=to be determined by NKU based on course selected at JCTC

Category IV – Major Requirements for BS in Computer Science and Minor in Computer Information Technology				
Category	**KCTCS Course**	**Hours**	**NKU Course**	✔
Taken while at JCTC	CIT 147	(3)	INF 120	
Taken while at JCTC	CIT 170	(3)	INF 282	
Taken while at JCTC	CIT 160	(3)	INF 284 or CIT 247	
Taken while at JCTC	CIT 155	(3)	INF 286	
Taken while at JCTC	CIT 249	(3)	CSC 260	
Taken while at JCTC	CIT 253	(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 CSC course not included above	
		6	2 – 400 level CSC Courses (only one of CSC 415 or CSC 416 may count toward this requirement	
Taken at NKU while at JCTC		3	MAT 128	
		3	MAT 227	
		3	MAT 228	
		3	STA 250	
		3	MAT 385	
Course for Minor in Math*		3	MAT 234 (course for Math Minor)	
		9	3 MAT Courses for minor (must be at the 300/400 level)	
Total NKU Credit Hours		54		
Total Credit Hours		121-124		