



**KENTUCKY STATE
UNIVERSITY**

COMPUTER SCIENCE BACHELOR OF SCIENCE -- INFORMATION SYSTEMS TRACK

Course	Title	Hours
Year 1		
Term 1 (Fall)		
FYE 118	First Year Experience	3
ENG 101	English Comp I	3
MAT 115	College Algebra	3
COS 107	Prob Solving, Logic & Design	3
Natural Science Elective		3
CHE 101 or BIO 101 or BIO 111 or CHE 109 or CHE 209 or PHS 201	General Chemistry I (must be taken with CHE 110) or Life Science or Principles of Biology or Chemistry in Context or Survey Gen/Organic/Biochemi or Physical Sciences I	
Hours		15
Term 2 (Spring)		
ENG 102	English Comp II	3
MAT 125	Business Calculus and Matrices	3
COS 108	Prin Computer Science I	4
Arts		3
ART 130 or MUS 130 or THE 130 or ENG 211	Introduction to Art or Introduction to Music or Introduction to Theatre or Intro to Literature	
Guided Elective		3
Hours		16
Year 2		
Term 3 (Fall)		
ACC 201	Principles of Accounting I	3
ENG 216	Technical Writing	3
COM 103	Interpersonal Communication	3
COS 109	Prin Computer Sci II	4
Humanities Elective (BUA 120 is recommended)		3
BUA 120 or EDU 204 or HIS 103 or HIS 108	Business and Society or Cultural Responsiveness or Western Civilization or Intro to African American Hist	
Hours		16
Term 4 (Spring)		
BUA 320	Business Statistics	3
COS 200	Computer Information Systems	3
COS 281	Introduction to Info. Sec. & A	3
COS 340	Data Struc Algorithm Analy	3
Social or Behavioral Elective (ECO 201 is recommended)		3

ECO 201 or FIN 101 or PSY 200 or SOC 203	Prin of Economics I or Financial Literacy or General Psychology or Principles of Sociology	
Hours		15
Year 3		
Term 5 (Fall)		
COS 275	Game Programming Foundation I	4
COS 300	System Design/Development	3
or DGE 300 Software Eng	Computing Games	
COS 301	Computer Organization	4
COS 310	Discrete Computing Structures	3
Free Elective		2
Hours		16
Term 6 (Spring)		
ECO 321	Quantitative Methods Dec Mak	3
COS 302	Operating Systems	3
COS 340	Data Struc Algorithm Analy	3
COS 410	Database Management Systems	3
Global/Civic		3
AFE 117 or ASP 303 or POS 361 or POS 101	Global Perspect Ag/Food/Env or American Civil Rights Movement or World Politics or American Government	
Hours		15
Year 4		
Term 7 (Fall)		
COS 303	Human Perspective on Computing	3
COS 364	Data Storage and Data Mining	3
COS 470	Networking/Telecommun	3
COS Elective		3
COS 490	Seminar in Computer Science	3
or COS 495 Interactive Gaming Project		
Hours		15
Term 8 (Spring)		
COS 300/400 Elective		3
COS/CIT 200 Elective		3
CIT 370 or COS 464 or MIS 300	Information Tech Project Mgt or Mgt of Computer Info Systems or Management Info Systems	
Social or Behavioral Elective		3
FIN 101 or PSY 200 or SOC 203 or ECO 201	Financial Literacy or General Psychology or Principles of Sociology or Prin of Economics I	
Hours		12
Total Hours		120