



**KENTUCKY STATE  
UNIVERSITY**

# COMPUTER SCIENCE BACHELOR OF SCIENCE - COMPUTER INFORMATION SECURITY TRACK

Course	Title	Hours
<b>Year 1</b>		
<b>Term 1 (Fall)</b>		
KSU 118	Intro. to University Learning	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	General Chemistry I (must take with CHE 110)	
or BIO 101	or Life Science	
or BIO 111	or Principles of Biology	
or CHE 109	or Chemistry in Context	
or CHE 209	or Survey Gen/Organic/Biochemi	
or PHS 201	or Physical Sciences I	
<b>Hours</b>		<b>15</b>
<b>Term 2 (Spring)</b>		
ENG 102	English Comp II	3
MAT 125	Business Calculus and Matrices	3
COS 108	Prin Computer Science I	4
Social or Behavioral Elective		3
FIN 101	Financial Literacy	
or ECO 201	or Prin of Economics I	
or PSY 200	or General Psychology	
or SOC 203	or Principles of Sociology	
Guided Elective		3
<b>Hours</b>		<b>16</b>
<b>Year 2</b>		
<b>Term 3 (Fall)</b>		
COM 103	Interpersonal Communication	3
COS 109	Prin Computer Sci II	4
Social or Behavioral Elective		3
SOC 203	Principles of Sociology	
or FIN 101	or Financial Literacy	
or PSY 200	or General Psychology	
or ECO 201	or Prin of Economics I	
Arts		
ART 130	Introduction to Art	3
or MUS 130	or Introduction to Music	
or THE 130	or Introduction to Theatre	
or ENG 211	or Intro to Literature	
Free Elective		1
<b>Hours</b>		<b>14</b>
<b>Term 4 (Spring)</b>		
ENG 216	Technical Writing	3
COS 200	Computer Information Systems	3
COS 281	Introduction to Info. Sec. & A	3
COS 340	Data Struc Algorithm Analy	3

<b>Humanities Elective</b>		
BUA 120	Business and Society	3
or EDU 204	or Cultural Responsiveness	
or HIS 103	or Western Civilization	
or HIS 108	or Intro to African American Hist	
<b>Hours</b>		<b>15</b>
<b>Year 3</b>		
<b>Term 5 (Fall)</b>		
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
Guided Elective		3
<b>Hours</b>		<b>17</b>
<b>Term 6 (Spring)</b>		
COS 302	Operating Systems	3
COS 334	Computer Forensics	4
COS 364	Data Storage and Data Mining	3
Global/Civic		3
AFE 117	Global Perspect Ag/Food/Env	
or ASP 303	or American Civil Rights Movement	
or POS 361	or World Politics	
or POS 101	or American Government	
Guided Elective		3
<b>Hours</b>		<b>16</b>
<b>Year 4</b>		
<b>Term 7 (Fall)</b>		
COS 303	Human Perspective on Computing	3
COS 332	Management Information Securit	3
COS 470	Networking/Telecommun	3
COS 484	Intro to Network Security	3
COS 495	Interactive Gaming Project	3
<b>Hours</b>		<b>15</b>
<b>Term 8 (Spring)</b>		
COS 410	Database Management Systems	3
COS 435	Advanced Topics in Cyber Secur	3
COS/CIT 200 Elective		3
COS 300/400 Elective		3
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>120</b>