

WGU Bachelor of Science, Computer Science (Updated March 2024)

COURSE NAME:	CREDIT	COURSE NUMBER	
SOPHIA LEARNING	Total: 47		
Composition: Successful Self-Expression (G.E)	3	*ENG1001 (SOPH-0015) OR ENG1002 (SOPH-0030)	
Introduction to Communication (G.E)	3	*COMM1002 (SOPH-0024)	
Natural Science Lab (G.E)	2	*SCIE1021 (SOPH-0067), CHEM 1002 (SOPH-0070), or SCIE1051 (SOPH-0072)	
American Politics and the US Constitution (G.E)	3	*HIST 1020 (SOPH-0071) (NEW COURSE: US. GOVERNMENT)	
Introduction to Physical & Human Geography (G.E)	3	*ECON1001 (SOPH-0012) or HIST1001 (SOPH-0022)	
Global Arts and Humanities (G.E)	3	*ArtHist1001 (SOPH-0006) OR VisComm1001 (SOPH-0009) (less material)	
Applied Probability and Statistics (G.E)	3	*STAT1001 (SOPH-0005)	
Health, Fitness and Wellness (G.E)	4	*HLTH 1010 (SOPH-0063)	
Introduction to IT	4	*CS1001 (SOPH-0023) or IT Support Professional Certificate	
Data Management - Foundations	3	*CS1011 (SOPH-0047) or Data Analytics Professional Certificate	
Network and Security - Foundations	3	*CS1015 (SOPH-0068) **recommended (wgu much harder)	
Scripting and Programming - Foundations	3	*CS1101 (SOPH-0062)	
Web Development Foundations	3	*CS1005 (SOPH-0043) or Front-end Developer Certification	
Calculus I	4	*MATH1040 (SOPH-0060)	
IT Leadership Foundations	3	*BUSI1013 (SOPH-0054)	
STUDY .COM	Total: 28		
Discrete Mathematics I	4	*Math 108 (SDCM-0210)	
Data Management - Applications	4	*CS 204 (SDCM-0218) or Cert: Azure Database Administrator Associate	
Advanced Data Management	3	*CS 303 (SDCM-0164) or Cert: Azure Database Administrator Associate	
Data Structures and Algorithms I	4	*CS 201 (SDCM-0217)	
Computer Architecture	3	*CS 306 (SDCM-0202) **recommended (wgu much harder)	
Fundamentals of Information Security	3	*CS 110 (SDCM-0215) or Cybersecurity Analyst Prof Cert - IBM	
Introduction to Artificial Intelligence	3	*CS 311 (SDCM-0230)	
Software Engineering	4	*CS 307 (SDCM-0220) or Cert: scrum.org Prof Scrum Master (PSM)	
AT WGU or certification	Total: 48		
Technical Communication (G.E)	3	D339 (PA T1 and T2)	
Ethics in Technology (G.E)	3	D333 (OA)	
Linux Foundations	3	D281 (certificate OA) LPI: Linux Essentials *WGU voucher	
Business of IT - Applications	4	D336 (certificate OA):ITIL Foundations Certification *WGU voucher	
Version Control	1	D197 (PA)	
Java Fundamentals	3	D286 (OA) or Oracle Java SE 8 Programmer Exam 1Z0-808 (\$245)	
Java Frameworks	3	D287 (PA T1) or Oracle Java SE 8 Programmer Exam 1Z0-808 (\$245)	
Advanced Java	3	D387 (PA T1) or Oracle Java SE 8 Programmer Exam 1Z0-808 (\$245)	
Back-End Programming	3	D288 (PA T1)	
Scripting and Programming - Applications	4	C867 (PA) or Oracle Java SE 8 Programmer Exam 1Z0-808(\$245)	
Operating Systems for Programmers	3	C191 (OA)	
Discrete Mathematics II	4	C960 (OA)	
Data Structures and Algorithms II	4	C950 (PA T1 and T2)	
Software Design & Quality Assurance	3	C857 (OA) or D480 (PA T1 and T2)	
Computer Science Capstone	4	C964 (PA T1 and T2)	
Total credit: 123 Max Transfer allowed: 92 (75% of 123) Credit at WGU: 31			