B.A. Computer Science (Even Start Year)

2024-25 Sample Course Schedule - This is a recommended schedule and may be altered as needed. Consult your advisor when making changes. See degree audit for Christian Service requirements.

FALL

FIRST YEAR (FALL EVEN)

NOND 101	Southern Connections (IN-1)	1
CPTR 108	#EssenceofComputing.	3
MATH 120	Pre-calculus Algebra	3
ENGL 101	Critical Think in Ac Rdg & Wrtg I (IN-2)	3
PEAC 125	Fitness for Collegiate Life (P-1-a)	1
	Electives	**2**
	Minor	3
		16

SECOND YEAR (FALL ODD)

CPTR 215	Fundamentals of Software Design	4
	Natural Science (IN-7)	3
	Minor	3
	Electives*	**3**
	Physical Activity (P-1-b)	1
		14

THIRD YEAR (FALL EVEN)

CPTR 318	Data Structures & Algorithms	3
CPTR 328	Principles of Networking	3
CPTR 386	Technical Writing in Computing (W)	1
	Econ. & Bus. Basics (IN-9)	3
	RELB 125 **or** RELT 177 (R-1)	3
	U.D. Electives	3
		16

FOURTH YEAR (FALL ODD)

CPTR 332	Comp. Arch. & Design	3
CPTR 486	Senior Seminar (W)	2
PEAC 425	Fit for Hire (P-1-c)	1
	U.D. Biblical Studies (R-3)	3
	Electives	4
	U.D. History (IN-6)	3
		16

WINTER

(WINTER ODD)

CPTR 124	Fund of Programming	4
ENGL 102	Critical Think in Ac Rdg & Wrtg II (IN-2)	3
MATH 215	Statistics (IN-4)	3
	Electives	3
	Minor	3
		16

(WINTER EVEN)

CPTR 319	Database Management Systems	3
CPTR 302	Software Dev Tools	1
MATH 280	Discrete Math Structures	3
COMM 135	Comm. & Public Speaking (IN-3)	3
	Minor	3
	RELT 138, 225, **or** 255 (R-2)	3
		16

(WINTER ODD)

CPTR 365	Operating Systems	3
PSYC 128	Developmental Psych (IN-8)	3
	Physical Activity (P-1-b)	1
	UD Religion (R-4)	3
	U.D. Minor	3
	U.D. Electives**	3
		16

(WINTER EVEN)

CPTR 488	Senior Project	2
CPTR 427	Network Security	3
	Aesthetic Analysis (IN-10) (W)	3
	U.D. Electives***	**3**
	U.D. Minor	3
		14

TOTAL HOURS	**124**

NOTE: Need 6 hours of elementary foreign language if student does not have 2 years of same foreign language in high school.

BA in CS Concentration in Security

*CPTR 254	UNIX Administration (Winter)	3
or	or	
*CPTR 230	Windows Administration (Fall)	
**CPTR 444	Advanced Network Security (Fall)	3
***CPTR 454	Cyber Forensics (Winter)	3

BA in CS Concentration in Web Development

*CPTR 212	Web Programming (Fall)	3
or	or	Or
*CPTR 435	Mobile App & Dev. (Fall)	4
**CPTR 446	Web Services (Fall)	3
***CPTR 456	Advanced Web Programming (Fall)	**3**

SOUTHERN
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