

Computer Science Associate of Arts

Program Summary Associate of Arts

Information Technology is one of the fastest growing industries in the nation. The Computer Science Program provides quality, in-depth training for individuals interested in software design, hardware, cybersecurity, media applications, and general computer maintenance. Students are trained with industry-standard hardware and software through digital labs and in-person communication. Hill College is designated as a National Center of Academic Excellence in Cyber Defense Education for Associate of Applied Science (AAS) in Computer Science, Networking Cybersecurity through 2024. The curriculum path prepares students to complete nationally recognized industry certification exams such as Microsoft's networking administration, CompTIA's A+, Security+, and Network+.

AA 4031 Computer Science Associate of Arts		60 Hours	TSI Required
Required Core Courses (44/45 hours)			
Course	Title	Credit Hours	
BCIS 1305	Business Computer Applications	3	
ENGL 1301	Composition I	3	
ENGL 1302	Composition II	3	
HIST 1301	US History I	3	
HIST 1302	US History II	3	
GOVT 2305	Federal Government	3	
GOVT 2306	Texas Government	3	
PHYS 2425	University Physics I	4	
PHYS 2426	University Physics II	4	
SPCH 1315	Public Speaking	3	
	Creative Arts*	3	
	Language, Philosophy and Culture*	3	
	Mathematics* (Recommended: MATH 1314)	3	
	Social and Behavioral Sciences*	3	
Required Computer Science Courses (11 Hours)			
Course	Title	Credit Hours	
COSC 1436	Programming Fundamentals I	4	
COSC 1437	Programming Fundamentals II	4	
COSC 2325	Computer Organization	3	
Computer Science Elective Courses (4/5 Hours)			
Course	Title	Credit Hours	
PSYC 1100	Learning Frameworks	1	
ELECTIVE	One-Hour Course¶	1	
	Mathematics* (MATH 1316, 1324, 1325, 1342, 2412 or 2413)	3/4	

*See Core Curriculum for course options

¶ See Course Description for elective options

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Year 1: Semester 1

Course	Semester Credit Hours
BCIS 1305 Business Computer Applications	3
ENGL 1301 Composition I	3
HIST 1301 US History I	3
PSYC 1100 Learning Frameworks	1
SPCH 1315 Public Speaking	3
Total	13

Year 1: Semester 2

Course	Semester Credit Hours
COSC 1436 Programming Fundamentals I	4
Creative Arts*	3
ENGL 1302 Composition II	3
HIST 1302 US History II	3
Mathematics* (Recommended: MATH 1314)	3
Total	16

Year 2: Semester 1

Course	Semester Credit Hours
COSC 1437 Programming Fundamentals II	4
PHYS 2425 University Physics I	4
GOVT 2305 Federal Government	3
Language, Philosophy and Culture*	3
Mathematics* (MATH 1316, 1324, 1325, 1342, 2412 or 2413)	3/4
Total	17/18

Year 2: Semester 2

Course	Semester Credit Hours
COSC 2325 Computer Organization	3
GOVT 2306 Texas Government	3
PHYS 2426 University Physics II	4
Social and Behavioral Sciences*	3
One-Hour Course¶	1
Total	14

*See Core Curriculum for course options

¶ See Course Description for elective options