

Applied Computer Science-Post Baccalaureate Course Rotation Guide

Core Courses: Offered Every Term (Including Summer)

Course Code	Course Name	Prerequisites
CSPB 1300 (4)	Computer Science 1: Starting Computing	
CSPB 2824 (3)	Computer Science 2: Discrete Structures	CSPB 1300 (co-requisite)
CSPB 2270 (4)	Computer Science 2: Data Structures	CSPB 1300 & CSPB 2824 (co-requisite)
CSPB 3104 (4)	Algorithms	CSPB 2270, CSPB 2824
CSPB 2400 (4)	Computer Systems	CSPB 2270
CSPB 3155 (4)	Principles of Programming Languages	CSPB 2270, CSPB 2824
CSPB 3308 (3)	Software Development Methods and Tools	CSPB 2270

Elective Courses Offered Every Term (Including Summer)

Course Code	Course Name	Prerequisites
CSPB 4122 (3)	Information Visualization	CSPB 1300 or CSPB 2824
CSPB 3702 (3)	Cognitive Science	
CSPB 4502 (3)	Data Mining	CSPB 2270 or CSPB 2275

Summer 2023 Additional Elective Course Offerings

Course Code	Course Name	Prerequisites
CSPB 3753 (4)	Design and Analysis of Operating Systems	CSPB 2270, CSPB 2824
CSPB 3022 (3)	Intro to Data Science with Probability and Stats	CSPB 1300
CSPB 2820 (3)	Linear Algebra with Computer Science Applications	
CSPB 4622 (3)	Machine Learning	CSPB 2270, CSPB 2824 and CSPB 2820, CSPB 3022
CSPB 3112 (1)	Professional Development in Computer Science	CSPB 2270

Fall 2023 Additional Elective Course Offerings

Course Code	Course Name	Prerequisites
CSPB 3287 (3)	Design and Analysis of Database Systems	CSPB 2270
CSPB 3202 (3)	Intro to Artificial Intelligence	CSPB 2270, CSPB 2824, CSPB 3022
CSPB 2820 (3)	Linear Algebra with Computer Science Applications	

Spring 2024 Additional Elective Course Offerings

Course Code	Course Name	Prerequisites
CSPB 3753 (4)	Design and Analysis of Operating Systems	CSPB 2270, CSPB 2824
CSPB 3022 (3)	Intro to Data Science with Probability and Stats	CSPB 1300
CSPB 3403 (4)	Introductions to Cyber Security for a Converged World	CSPB 2400
CSPB 4622	Machine Learning	CSPB 2270, CSPB 2824 and CSPB 2820, CSPB 3022

Summer 2024 Additional Elective Course Offerings

Course Code	Course Name	Prerequisites
CSPB 3287 (3)	Design and Analysis of Database Systems	CSPB 2270
CSPB 3202 (3)	Intro to Artificial Intelligence	CSPB 2270, CSPB 2824, CSPB 3022
CSPB 2820 (3)	Linear Algebra with Computer Science Applications	

Fall 2024 Additional Elective Course Offerings

Course Code	Course Name	Prerequisites
CSPB 3753 (4)	Design and Analysis of Operating Systems	CSPB 2270, CSPB 2824
CSPB 3022 (3)	Intro to Data Science with Probability and Stats	CSPB 1300
CSPB 3403 (4)	Introductions to Cyber Security for a Converged World	CSPB 2400
CSPB 4622	Machine Learning	CSPB 2270, CSPB 2824 and CSPB 2820, CSPB 3022

Spring 2025 Additional Elective Course Offerings

Course Code	Course Name	Prerequisites
CSPB 3287 (3)	Design and Analysis of Database Systems	CSPB 2270
CSPB 3202 (3)	Intro to Artificial Intelligence	CSPB 2270, CSPB 2824, CSPB 3022
CSPB 2820 (3)	Linear Algebra with Computer Science Applications	

Please note:

- All required courses and a standard selection of electives are offered every semester.
- In order to offer more electives overall, additional electives are offered reliably on a predictable schedule as per the course pathways, see your Academic Advisor for details.
- Some semesters may include an "extra offering" of an elective course (which does not affect the predictable schedule). These are indicated on the rotation guide with an Asterix *.

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