

2019 VMS CS Study Plan

(for 64x students)

Year 1, Semester 1

Course Code	Course Title	Credits
BG 1001	English I	3 (2-3-6)
CSX 1001	Basic Mathematics and Statistics	3 (3-0-6)
CSX 2001	Introduction to Information Technology	3 (3-0-6)
CSX 3001	Fundamentals of Computer Programming	3 (3-0-6)
BBA 1001	Business Exploration	3 (3-0-6)
	Total	15 (14-3-30)

Year 1, Semester 2

Course Code	Course Title	Credits
BG 1002	English II	3 (2-3-6)
LAW 1201	Business Laws for Entrepreneurs	3 (3-0-6)
CSX 2002	Calculus	3 (3-1-7)
CSX 2003	Principles of Statistics	3 (3-1-7)
CSX 2004	UI/UX Design and Prototyping	3 (3-0-6)
CSX 3002	Object-Oriented Concepts and Programming	3 (3-0-6)
	Total	18 (17-5-38)

Year 2, Semester 1

Course Code	Course Title	Credits
BG 2000	English III	3 (2-3-6)
CSX 2005	Design Thinking	3 (3-0-6)
CSX 2006	Mathematics and Statistics for Data Science	3 (3-1-7)
CSX 3003	Data Structure and Algorithms	3 (3-0-6)
CSX 3004	Programming Languages	3 (3-0-6)
CSX 3005	Computer Networks	3 (3-0-6)
	Total	18 (17-4-37)

Year 2, Semester 2

Course Code	Course Title	Credits
BG 2001	English IV	3 (2-3-6)
BAC 1602	Fundamentals of Financial Accounting I	3 (3-0-6)
CSX 2007	Data Science	3 (3-0-6)
CSX 2008	Mathematics Foundation for Computer Science	3 (3-0-6)
CSX 3006	Database Systems	3 (3-0-6)
	One Major Elective Course	3 (3-0-6)
	Total	18 (17-3-36)

Year 3, Semester 1

Course Code	Course Title	Credits
CSX 2009	Cloud Computing	3 (3-0-6)
CSX 3007	Computer Architecture	3 (3-0-6)
CSX 3008	Operating Systems	3 (3-0-6)
CSX 3009	Algorithm Design	3 (3-0-6)
	Two Major Elective Courses	6 (6-0-12)
	Total	18 (18-0-36)

Year 3, Semester 2

Course Code	Course Title	Credits
GE 2202	Ethics	3 (3-0-6)
CSX 3010	Senior Project I	3 (3-0-6)
	Two Major Elective Courses	6 (6-0-12)
	One Free Elective Course	3 (3-0-6)
	Total	15 (15-0-30)

Year 4, Semester 1

Course Code	Course Title	Credits
	Three Major Elective Courses	9 (9-0-18)
	Two General Education Courses	6 (6-0-12)
	One Free Elective Course	3 (3-0-6)
	Total	18 (18-0-36)

Year 4, Semester 2

Course Code	Course Title	Credits
CSX 3011	Senior Project II	3 (3-0-6)
	Two Major Elective Courses	6 (6-0-12)
	One Free Elective Course	3 (3-0-6)
	Total	12 (12-0-24)