2019 VMS CS Study Plan

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)
MGT 1101	Introduction to Business	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)
BG 1400	Business Law I	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 (3-0-6)
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 (17-3-36)**

Year 2, Semester 2

Course Code	Course Title	Credits
BG 2001	English IV	3 (2-3-6)
ACT 1601	Fundamentals of Financial Accounting	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	Algorithms 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)**