Sample Four-year Plan for Computer Science (BS)

Note: The four-year plan is for example purposes only. Students should refer to the catalog in effect upon their entry to Viterbo for more specifics on requirements of the core curriculum, major, and degree. Some courses have certain semester rotations that may or may not be reflected below. Your advisor will assist you with actual registration planning to accommodate these rotations. For complete information, see the current undergraduate catalog.

Fall Semester – First Year		Spring Semester – First Year	
ENGL 103/104/105 – CCF Written Communication	3–4	ENGL 104/105/195 – CCF Written Communication	3–4
VUSM FVT – Franciscan Values and Traditions	3	CSCI 160 – Principles of Computer Science	4
CSCI 110 – Introduction to App Development	4	CSCI Track 2[2]	3
CSCI Track 1[2]	3	MATH 150 – MATLAB Programming	1
INFO 103 – Spreadsheet Fundamentals	1	MATH 230 – Statistics with R Programming	4
MATH 261 – Discrete Mathematics [1] (CCF Quantitative Literacy)	4		
TOTAL CREDITS	**18–19**	**TOTAL CREDITS**	**15–16**
Fall Semester – Second Year		Spring Semester – Second Year	
CCF Written Communications 2	3	COMM 150 – Fundamentals of Speech (CCF Oral Communication)	2
CCWOT (Recommend Artistic Engagement)	3	VUSM LDW – Living in a Diverse World	3
CCWOT (Recommend Natural Science)	4	CCWOT (Recommend Historical Analysis)	3
CSCI 310 – Software Engineering	3	CSCI 200 – Object Oriented Design	3
CSCI Track 3[2]	3	CSCI 210 – Networking and Cloud Interface	3
TOTAL CREDITS	**16**	**TOTAL CREDITS**	**14**
Fall Semester – Third Year		Spring Semester – Third Year	
VUSM SJE – Social Justice and Equity	3	CCWOT (Recommend Social Sciences)	3
CCWOT (Recommend Theological Inquiry)	3	ENGR 370 – Systems Engineering	4
CSCI Track 4[2]	3	MGMT 341 – Principles of Management and Organizational Behavior	3
General Elective/Minor[3]	3	General Elective/Minor/Co-op[3,4]	3
General Elective/Minor[3]	3	General Elective/Minor[3]	3
TOTAL CREDITS	**15**	**TOTAL CREDITS**	**16**
Fall Semester – Fourth Year		Spring Semester – Fourth Year	
VUSM TEL – The Ethical Life	3	CCWOT (Recommend Literary Analysis)	3
CCWOT (Recommend Integrating Faith and Practice)	3	CCWOT (Recommend Philosophical Inquiry)	3
CSCI 498 – Capstone Design Lab 1	3	CSCI 499 – Capstone Design Lab 2	3
MATH 335 – Data Analysis	3	CSCI 487 – Internship[4]	3
General Elective/Minor[3]	3	General Elective/Minor[3]	3
TOTAL CREDITS	**15**	**TOTAL CREDITS**	**15**

NOTES:

[1]Contingent on math placement; if placed in MATH 112, student must take MATH 112 before MATH 261.

[2]CS Tracks: business (12 cr.), creative design (12 cr.), data science (12 cr.), engineering (19 cr.), and mathematics (16 cr.). Tracks consist of four courses within the discipline (six for engineering).

[3]A minor is recommended. Students must complete 120 credits (including 40 credits upper division) for BS degree.

[4]Students may choose to do a co-op program spring semester of year three instead of an internship spring semester of year four.