

Junior and Senior Year Curriculum for WCCC Mathematics A.S. Transfer Students at Saint Vincent College – Data Science Major

Sugg. Term	Course ID	Course Title	Cr.	Term Offered	Saint Vincent Equivalent
1st Fall	PDV 171	Career Pathway Exploration	3	F	FYS
	MTH 172	Analytical Geometry and Calculus I	4	F, Sp, Su	MA-111
	PHY 255	Engineering Physics I	5	F	PH-111/113
	CPT 160	Introduction to Programming	3	F, Sp, Su	CS-102
1st Spring	Elective	Lab Science elective	4-5	F, Sp, Su	Natural Science Elective
	CPT 180	C++ Programming	3	Sp, Su	CS-110
	ENG 161	College Writing	3	F, Sp, Su	EL-102
	MTH 173	Analytical Geometry and Calculus II	4	F, Sp, Su	MA-112
2nd Fall	Elective	Social Science Elective	3	F, Sp, Su	Social Science elective
	SPC 155	Effective Speech	3	F, Sp, Su	CA-120
	MTH 271	Analytical Geometry and Calculus III	4	F, Su	MA-211
	Elective	General Elective	3	F, Sp, Su	Elective
	Elective	Humanities Elective	3	F, Sp, Su	Humanities Elective
2nd Spring	MTH 273	Discrete Mathematics	3	Sp	CS-170
	MTH 272 or MTH 275	Differential Equations or Linear Algebra	3	Sp, Su	MTH-275 = MA-251(recommended)
	Elective	Humanities Elective	3	F, Sp, Su	Humanities Elective
	STEM	STEM Seminar	1	F, Sp, Su	INTS-101
	Elective	Social Science Elective	3	F, Sp, Su	Social Science Elective
	Elective	General Elective	3	F, Sp, Su	Elective

61-62 Credits Transferred from WCCC

- CPT 213 is recommended for a general elective.
- The other general elective could be used to satisfy a Core Curriculum requirement in English, History, Philosophy, or Art/Music.

Typical Schedule for Data Science Major at SVC (with AS in Mathematics from WCCC)			
Junior Fall	Junior Spring	Senior Fall	Senior Spring
DS-100	MA-312	Application 2	DS-400
CS Intro to Python	DS-350	DS-370	CS-355
CS-221	Core	CS-350	Application 3
DS-300	Core	Core	Core
MA-311	Core	Core	Core
Core		Core	Core
16 credits	15 credits	18 credits	18 credits
Core Curriculum credits needed: 30			