Winona State University
Four-Year Program Map

Created on 9/8/2026
Effective Fall 2023

Program: **Data Science Major (BS DSCI)**
Emphasis (optional):

	Fall Semester			Spring Semester		
	Course	**Requirement Met**	**SH**	**Course**	**Requirement Met**	**SH**
Year 1	CMST 191 or 192 or ENG 111 College Reading and Writing	GE Goal 1	3-4	CMST 191 or 192 or ENG 111 College Reading and Writing	GE Goal 1	3-4
	MATH 140 or MATH 212	GE Goal 4/Major	3-4	DSCI 210 Data Science	Major	3
	STAT 210 Statistics	GE Goal 4/Major	3	STAT 310 Intermediate Statistics	Major/WI	3
	General Education Course	GE Goal 3/5/6/7/8/9/10	3	MATH 222 Data-Driven Mathematical Modeling	Major	3
	OR 100	Recommended	1	General Education Course	GE Goal 3/5/6/7/8/9/10	3
	NOTE: Remember that you can take courses that meet two goal areas within GE GOALS 5-10.					
	First-Year Fall Semester Credit Hour Total		**13-15**	**First-Year Spring Semester Credit Hour Total**		**15-16**
Year 2	CS 234 Algorithms and Problem Solving I	Major	4	CS 250 Algorithms and Problem Solving II	Major	4
	DSCI 310 Data Summary and Visualization	Major	3	DSCI 325 Management of Structured Data	Major/CAI	3
	STAT 360 Regression Analysis	Major	3	General Education Course	GE Goal 3/5/6/7/8/9/10	3
	General Education Course (Lab)	GE Goal 3	4	General Education Course	GE Goal 3/5/6/7/8/9/10	3
				General Elective Course	Elective	3
	NOTE: Taking courses numbered 300 or above in many content areas will require you to complete prerequisite courses! Many of these prerequisite courses can be taken to fulfill your General Education Program (GEP) requirements, so choose courses in some of the Goal Areas with this in mind.					
	Second-Year Fall Semester Credit Hour Total		**14**	**Second-Year Spring Semester Credit Hour Total**		**16**
Year 3	Interdisciplinary Emphasis^	Major	3	Interdisciplinary Emphasis^	Major	3
	Major Elective* or CS 385	Major/WI	3-4	DSCI 395 Professional Skill Development for Data Sciences	Major/OI	2
	General Education Course	GE Goal 3/5/6/7/8/9/10	3	Major Elective* or CS 385	Major/WI	3-4
	General Elective	Elective	3	General Education Course	GE Goal 3/5/6/7/8/9/10	3
	General Elective	Elective	3	General Elective	Elective	3
	*NOTE: ^Interdisciplinary Emphasis (IE) are courses numbered 300 or above with the SAME prefix, e.g., BIOL, ECON, FIN, etc. These should be chosen in consultation with your academic advisor. Courses with a DSCI, STAT, and CS prefix cannot be used to fulfill this requirement. DSCI 326, DSCI 415, STAT 335, and STAT 370 are Fall only courses. DSCI 326 and DSCI 415 are offered alternate years. *6 (S.H.) elective credits are required for the major; refer to DARS to see which classes are offered.*			*NOTE: Students must have 40 S.H. credits of 300 & 400 Level Courses. DSCI 330 and DSCI 425 are Spring only courses and are offered alternate years.*		
	Third-Year Fall Semester Credit Hour Total		**15-16**	**Third-Year Spring Semester Credit Hour Total**		**14-15**
Year 4	Interdisciplinary Emphasis^	Major	3	Interdisciplinary Emphasis^	Major	3
	DSCI 492	Major	3	DSCI 495 Communication of Captones Outcomes	Major/OI	1
	Major Elective* or CS 385	Major/WI	3-4	General Education Course	GE Goal 3/5/6/7/8/9/10	3
	General Education Course	GE Goal 3/5/6/7/8/9/10	3	General Elective Course	Elective	3
	PDW (Personal Development/Wellness)	Required	2-3	General Elective Course	Elective	3
	General Elective (if take only 2 credits in PDW)	Elective	1	General Elective Course	Elective	3
	NOTE: DSCI 326, DSCI 415, STAT 335, and STAT 370 are Fall only courses. DSCI 326 and DSCI 415 are offered alternate years.					
	Fourth-Year Fall Semester Credit Hour Total		**15-17**	**Fourth-Year Spring Semester Credit Hour Total**		**16**

Total Credit Hours (SH): 120