

DATA SCIENCE MAJOR
Program Tracking Sheet
 Effective for students entering AY 2026-2027

Name:	Class Year:
Advisor:	2 nd Major:

NOTES: Minimum total academic credit = 15 units
 Residency Req.: Min. of 8 units must be completed at WPI

HUMANITIES AND ARTS (6/3 units)

All 5 HUA courses must be completed before beginning the Inquiry Seminar or Practicum. The Humanities and Arts Department will accept a maximum of 1/3 unit of AP credit towards the Humanities and Arts requirement.

Depth Component				
Students must complete at least three thematically-related courses prior to the culminating Inquiry Seminar or Practicum in the same thematic area. At least one of the three courses should be at the 2000-level or above.				
	Course	Term	Grade	Units
1				1/3
2				1/3
3				1/3
4	HU 3900 or HU 3910			1/3
Breadth Component				
Students must take at least one course outside the grouping in which they complete their depth component. To identify breadth, courses are grouped in the following manner.				
i. art/art history, drama/theatre, and music (AR, TH, MU);				
ii. modern languages (AB, CN, ISE, GN, SP);				
iii. literature and writing rhetoric (EN, WR);				
iv. history, humanities, and international and global studies (HI, HU, INTL);				
v. philosophy and religion (PY, RE).				
Exception: May take all six courses in a modern language.				
5				1/3
Humanities Elective				
6				1/3

PHYSICAL EDUCATION (4 PE classes = 1/3 unit)

7				1/12
				1/12
				1/12
				1/12

SOCIAL SCIENCE (2/3 unit) ECON, ENV, GOV, PSY, SD, SOC, SS, STS and ID2050

8				1/3
9				1/3

THE INTERACTIVE QUALIFYING PROJECT (3/3 unit)

10				1/3
11				1/3
12				1/3

FREE ELECTIVES (3/3 unit)

13				1/3
14				1/3
15				1/3

DATA SCIENCE CORE (3/3 unit)

16	DS 1010			1/3
17	DS 2010			1/3
18	DS 3010			1/3

DISCIPLINARY FOUNDATION COURSES (10/3 units)

COMPUTER SCIENCE (3/3 unit) (Note 1)

19	CS 2223			1/3
20				1/3
21				1/3

MATHEMATICAL SCIENCES (5/3 unit) (Note 2)

22	MA 2611			1/3
23	MA 2612			1/3
24	MA 2071 or 2072			1/3
25				1/3
26				1/3

BUSINESS COURSES (2/3 unit) (Note 3)

27	BUS 2080 or OIE 2081			1/3
28				1/3

DISCIPLINARY ELECTIVE COURSES (11/3 units) (Note 4)

29				1/3
30				1/3
31				1/3
32				1/3
33				1/3
34				1/3
35				1/3
36				1/3
37				1/3
38				1/3
39				1/3

DATA PRIVACY AND ETHICS (1/3 unit) (Note 5)

40				1/3
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SCIENCE (2/3 unit)

41				1/3
42				1/3

MQP (3/3 unit)

43				1/3
44				1/3
45				1/3

Note 1: Two of the courses must be chosen from CS 1004, CS 1101, CS 1102, CS 2102, CS 2103, CS 2119, or from CS electives listed in the course catalog.

Note 2: Two of the courses must be chosen from MA 1020, MA 1021, MA 1022, MA 1120, or from MA electives listed in the catalog.

Note 3: One of the courses must be chosen from OBC 1010, ETR1100, MIS 3010, or ETR 3633

Note 4: Disciplinary elective courses can be found in the catalog. DS 4099: Special Topics in Data Science is counted as a disciplinary elective course. Electives must include at least 4/3 at the 4000 level or higher and at least one course in each of the categories below:

- Databases (CS 3431, CS 4432, MIS 3720, CS 4433/DS 4433)
- Data mining/machine learning (CS 4445, CS 4342/DS 4342)
- Business modeling and prediction (MIS 4084, OIE 4430)

Note 5: Students who are double counting their data privacy and ethics requirements as a social science are required to take an additional free elective to reach the required 135 credits.

DATA SCIENCE MAJOR PROGRAM CHART

UNIVERSITY REQUIREMENTS	
Minimum Academic Credit	15 Units
Residency	8 Units
Humanities and Arts	6/3 Units
Interactive Qualifying Project	3/3 Unit
Social Science	2/3 Unit
Physical Education	1/3 Unit
Free Electives	3/3 Unit

MAJOR-SPECIFIC REQUIREMENTS (10 UNITS)	
DS Core Courses*	3/3 Unit
Disciplinary Foundation Courses	10/3 Units
Disciplinary Electives Courses	11/3 Units
DS MQP	3/3 Unit
Data Privacy and Ethics	1/3 Unit
Sciences	2/3 Unit

(*) DS core courses include DS 1010, DS 2010, DS 3010.

DISCIPLINARY FOUNDATION COURSES (10/3 UNITS)

COMPUTER SCIENCE COURSES (3/3 Unit Required)	MATHEMATICS COURSES (5/3 Unit Required)	BUSINESS COURSES (2/3 Unit Required)
Two of CS 1004, CS 1101, CS 1102, CS 2102, CS 2103, CS 2119, or from CS electives below (**) AND One of CS 2223	Two of MA 1020, MA 1021, MA 1022, MA 1120, or from MA electives below AND Both MA 2611 and MA 2612 AND One of MA 2071 or MA 2072	One of OBC 1010, ETR1100, MIS 3010, ETR 3633 AND One of BUS 2080 or OIE 2081

(**) At most 1/3 CS unit at the 1000 level.

DISCIPLINARY ELECTIVE COURSES (11/3 UNITS)

COMPUTER SCIENCE COURSES	MATHEMATICS COURSES	BUSINESS COURSES
CS 2022 +CS 4341 CS 2301 CS 4120 CS 2303 +CS 4432 CS 3733 +CS 4445 CS 3041 +CS 4342 CS 3133 +CS 4804 +CS 3431 +CS 4433/DS4433 CS 4233 CS 4802/BCB4002 CS 4241 CS 4803/BCB4003 +CS4343/DS4343 +CS4344/DS 4344 +CS4345/DS 4345	MA 1023 MA 3257 MA 1024 +MA 3627 MA 1033 +MA 3631 MA 1034 MA 4213 MA 2051 MA 4214 MA 2073 MA 4222 MA 2201 MA 4235 MA 2210 MA 4237 MA 2431 +MA 4603 +MA 2621 MA 4631 +MA 2631 MA 4632 MA 3231 +MA4635/DS4635 MA 3233 MA4644	+MIS 3720 MKT 3650 OIE 3460 MIS 3787 +MIS 4084 MIS 4720 MIS 4741 +OIE 4430

Electives must include at least one course in each of the categories below:

- Databases (CS 3431, CS 4432, MIS 3720, CS 4433/DS 4433)
- Data mining/machine learning (CS 4445, CS 4342/DS4342)
- Business modeling and prediction (MIS 4084, OIE 4430)

DS 4099: Special Topics in Data Science is counted as a disciplinary elective course.

Electives must include at least 4/3 at the 4000 level or above.

Students are encouraged to take electives marked with a "+".



WPI

Office of Academic Advising

4-year Plan Template

Name:	Class Year:
Advisor(s):	Major(s)/Minor(s):

Year 1					
	A-term	B-term	C-term	D-term	E-term (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes:

Year 2					
	A-term	B-term	C-term	D-term	E-term (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes:

Year 3					
	A-term	B-term	C-term	D-term	E-term (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes:

Year 4					
	A-term	B-term	C-term	D-term	E-term (optional)
Course 1					
Course 2					
Course 3					
Course 4 (optional)					

Notes: