

DS + CS DOUBLE MAJOR (BS)

AY2020-2021

Course	Term	Grade	Units	Course	Term	Grade	Units
DS Core 3/3				HU&A Requirement 6/3 (Maximum 1/3 AP credit)			
1		1/3	DS 1010	25		1/3	Any HU&A
2		1/3	DS 2010	26		1/3	Breadth (group not incl. focus)
3		1/3	DS 3010	27		1/3	Focus
Business Courses 3/3				28		1/3	Focus
4		1/3	BUS 2080	29		1/3	Focus 2000+
5		1/3	BUS1010,3010 or ETR1100,36	30		1/3	Focus (Inquiry/Practicum)
6		1/3	MIS 4084, OIE 4420 [4]	Focus areas: AR, MU, EN/WR, EN/TH, HI/HU, PY/RE			
Computer Science [3, 4] 15/3				Breadth groups: AR, EN/WR, EN/TH, MU, SP/GN/AB/CN, HI/HU, PY/RE			
7		1/3	Any CS	Alternative HUA Requirement: 6 courses in a single foreign language.			
8		1/3	CS 2223	Social Sciences 2/3 Any 2/3 from:			
9		1/3	Any CS 2000+	31		1/3	ECON, GOV, PSY,
10		1/3	Any CS 2000+	32		1/3	ENV, SD, SOC, SS, STS or ID
11		1/3	Any CS 2000+	Mathematics [1,2] 7/3			
12		1/3	Any CS 2000+	33		1/3	Any MA
13		1/3	Any CS 2000+	34		1/3	Any MA
14		1/3	Any 3/3 of CS	35		1/3	Any MA
15		1/3	3013, 3041, 3133,	36		1/3	MA 2071 or 2072
16		1/3	3431, 3516, 3733	37		1/3	MA 2611
17		1/3	Any 3/3 of CS 4233,	38		1/3	MA 2612
18		1/3	4241, 4341, 4445,	39		1/3	MA 2621 or 2631 (Prob)
19		1/3	4518, 4731 or 4732	Nat/Eng Sciences 2/3 Any 2/3 from:			
20		1/3	Any CS 4000+	40		1/3	BB, BME, CE, CH,
21		1/3	Any CS 4000+	41		1/3	CHE, ECE, ES, GE, ME, PH or RBE [5]
The 15 CS courses above must include at least one course in each of the following areas:				CS Nat/Eng Sciences 3/3			
Systems: CS 3013, 4513, 4515 or 4516				42		1/3	Any 2/3 of same prefix:
Theory: CS 3133, 4120, 4123, 4533 or 4536				43		1/3	BB, CH, GE or PH
Design: CS 3041, 3431, 3733 or 4233				44		1/3	Any BB, CH, GE or PH
Social: CS 3043, IMGD 2000 or 2001,				PE 1/3			
GOV / ID 2314 or GOV / ID 2315				45		1/12	
IQP 3/3				DS + CS MQP 4/3			
22		1/3		49		4/3	
23		1/3		or			
24		1/3		DS MQP 3/3			
				48		3/3	
				CS MQP 3/3 V1.0 LH			
				51		3/3	2/26/2020

Other DS + CS double major course restrictions:

Only CS 1101, CS 1102 and CS courses at the 2000-level or higher can be counted. Only one of CS 1101 and CS 1102 may count.

CS 2119 and CS 2301 may not be counted. CS AP credits cannot be applied.

A cross-listed course may be counted toward only one of the areas Computer Science, Mathematics, Basic Science and/or Engineering.

[1] At most 3 MA 1000 courses may be counted towards this requirement.

[2] Two of the courses must be chosen from MA 1020, MA 1021, MA 1022, MA 1120, or from MA electives listed in the DS Major section of the catalog

[3] 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.

[4] Disciplinary elective courses can be found in the catalog. Electives must include at least 4/3 at the 4000 level or higher and at least one course in each of the categories:

- 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 4420)

For planning purposes only! WPI Catalog is final authority on degree requirements