



BS DATA SCIENCE 2023-2024

CORE REQUIREMENTS	55-57 Credits		DATA SCIENCE ELECTIVES	12 credits	2000-3000 level
 CS 1121 (3) and CS1122 (3) or CS 1131 (5) CS 2311(3) or MA 3210 (3) CS 2321 (3) CS 3425 (3) or SAT 3210 (3) CS 4321 (3) MA 1160 (4) MA 2320 (2) or MA 2330 (3) MA 2710 (3) MA 3720 (3) MA 3740 (3) or MA 4710 (3) or MA 4790 (3) DATA 1201 (2) DATA 1202 (3) 			Up to 6 credits in Data Science Electives can be 2000–3000 level Select one course from a list of Machine Learning/Al related topics: · CS 4811 (3) · CS 4821 (3) or CS 5831 (3) · CS 5811 (3) · CS 5821 (3) · CS 5841 (3) · EET 4501 (3) Select three remaining courses from below or any course above not already used: CS 3141, CS 4001, CS 4471, CS 4760, MA 2600, MA 3740, MA 4330, MA 4710, MA 4720, MA 4760, MA 4770, MA 4780/5780, MA 4790/5790, SAT 2711, SAT 3310, SAT 3812, SAT 4144, SAT 4283, SAT 5165, MIS 4000, MIS 4400		
 DATA 2201 (3) DATA 3801 (3) DATA 3401 (3) DATA 4891 HU 2645 (3) or MIS 3500 (3) or DATA 2600 CS 3000 (3) or SAT 1700 (3) or DATA 3000 (3) 		7 Credits Minimum Complete two science courses in two different disciplines (BL, CH, KIP, FW, GE, PH, SS). At least one must include or be taken with the accompanying laboratory.			
Free Electives: 5 to 7 credits Any coursework is allowable, including -co-curricular and coursework below the 1000 level.			Core Courses: 12 credits Year One _UN 1015 (3) _UN 1025 or upper level modern language(3)		
Software Engineering • CS 1142 (3) Choose 12 credits: • CS 3311 (3) • CS 3712 (3) • CS 4710 (3) • CS 4711 (3) • CS 4760 (3)			Year Two _ Critical and Creative Thinking _ Social Responsibility and Ethical Reasoning (3) HASS: 12 credits, 6 of the 12 must be at the 3000-4000 level _Communication/Composition (minimum 3 credits) _ Humanities and Fine Arts (minimum 3 credits) _ Social and Behavioral Sciences (minimum 3 credits) _ Any course from the General Education Core, HASS, or restricted HASS (0-3 credits)		
See course catalog for Connect with your advisor @ prerequisites www.mtu.edu/computing/undergaduate/advising				+Co-curricular Activities: 3 credits	