Dual CS-LSA & DS-LSA Majors

Students pursuing a double major with Data Science and Computer Science through the College of Literature, Science & the Arts should be mindful of the following policies and potential opportunities for double-counting.

Course Double-Counting and Overlap Restrictions

1. Double CS/DS majors must complete an additional 14 credits of technical coursework beyond the Data Science requirements to offset overlap between the two majors. See below to learn how to count these credits.

2. Capstone courses approved for CS-LSA are not necessarily approved to count for the Data Science program. Check lsa.umich.edu/stats/undergraduate-students/undergraduate-programs/majordatascience/data-science-electives.html (DS LSA website) for the current list of approved courses, and schedule an appointment with a DS advisor (through the Stats dept.) to discuss your DS Capstone. The same is true for upper-level technical electives; while there is some overlap, it is not all-encompassing. Always check the correct program's list of approved electives.

Counting the 14 Credits of Additional Technical Coursework

To satisfy the DS-LSA program requirements, students must account for 14 credits of additional technical coursework, above and beyond the DS-LSA program requirements. The following guidelines govern the counting of such credits. Further information and clarification can be sought during an advising appointment with the DS-LSA advising staff in Statistics.

1. Courses satisfying requirements in both the CS-LSA program and the DS-LSA program are not eligible. A course used to satisfy a requirement in the CS-LSA program—but NOT the DS-LSA program—is eligible, so long as it also satisfies the remaining conditions below.

2. Courses must qualify as Flexible Technical Electives, according to the approved list on the DS-Engineering website (eecs.umich.edu/eecs/undergraduate/data-science/), or as Advanced Technical Electives.

3. Courses must be taken for a grade, and passed with a C or higher. Pass/Fail courses are not permitted to count for this requirement.

4. Courses are subject to the 4-credit limit on Independent/Directed Study courses; no more than 4 credits of this requirement may be obtained through independent/directed study courses. These courses are noted on the Flexible Technical Electives list, but can be clarified through an advising appointment to avoid confusion.

The chart below may be used as a planning tool to identify eligible courses for the requirement. EECS 370 and EECS 376 have been filled in since they are required for the CS-LSA major, but typically aren't used for DS-LSA.

Course Subject (i.e. EECS)	Course Number (i.e. 405)	Credits	Found on approved technical electives list(s)?	Used for DS LSA req's.?	Indp't./ Directed Study Course?	Grade Received
EECS	370	4	X	No	No	
EECS	376	4	X	No	No	