2019-2020 S&DS Major Checklist

Name: _____ Year: _____

See [Major at a Glance](#) section of the S&DS website for a longer list of accepted courses.

Prerequisite: Math 120, ENAS 151, Math 230, or equivalent, DUS waived.

A. Core Probability and Statistics: S&DS 238, 241, 312, 351, or others with DUS approval. S&DS 242 is required for the BS.

B. Computational Skills: S&DS 220 or 230; 262; 425; CPSC 100, 112, 201 or 223, or ENAS 130; or others with DUS approval.

C. Methods of Data Science: S&DS 312, 314, 361, 363, 365, 430, CPSC 477, or others with DUS approval.

D. Mathematical Foundations and Theory: MATH 222 or 225. Other examples: S&DS 364, 400, 410, 411, CPSC 365 or 366, 469, MATH 222, 230, 231, 225, 244, 250, 260, 300 or 301, or others with DUS approval.

E. Efficient Computation and Big Data: CPSC 223, 323, 424, 437, or others with DUS approval.

F. Data Science in Context: See S&DS website for list of courses. Others with DUS approval.

G. Methods in Application Areas: See S&DS website for list of courses. Others with DUS approval.

Senior Requirement: Senior Research Project S&DS 490, 491, or 492; or Capstone Case Studies S&DS 425

Credit/D/Fail: At most one course with DUS approval.

No course can appear twice on the checklist.

Requirements for BA degree: (circle or fill-in blank)

Prereq: Math 120, ENAS 151, Math 230, or
_____, or DUS waived. Grade_____

Category A: Core Probability and Statistics:

 1. _____ Grade_____

 2. _____ Grade_____

Category B: Computational Skills:

 1. _____ Grade_____

 2. _____ Grade_____

Category C: Methods of Data Science:

 1. _____ Grade_____

 2. _____ Grade_____

Category D: Mathematical Foundations and Theory:

 Math 222, 225, or _____ Grade_____

Three electives in categories A-G:

 1. _____ Grade_____

 2. _____ Grade_____

 3. _____ Grade_____

Senior Req: S&DS 425, 490, 491, or 492. Grade_____

Requirements for BS degree: All BA requirements plus:

One Category A course must be S&DS 242

One more elective from category D:

 1. _____ Grade_____

Two more electives from categories A-E:

 1. _____ Grade_____

 2. _____ Grade_____