BYU Statistics: Data Science Emphasis
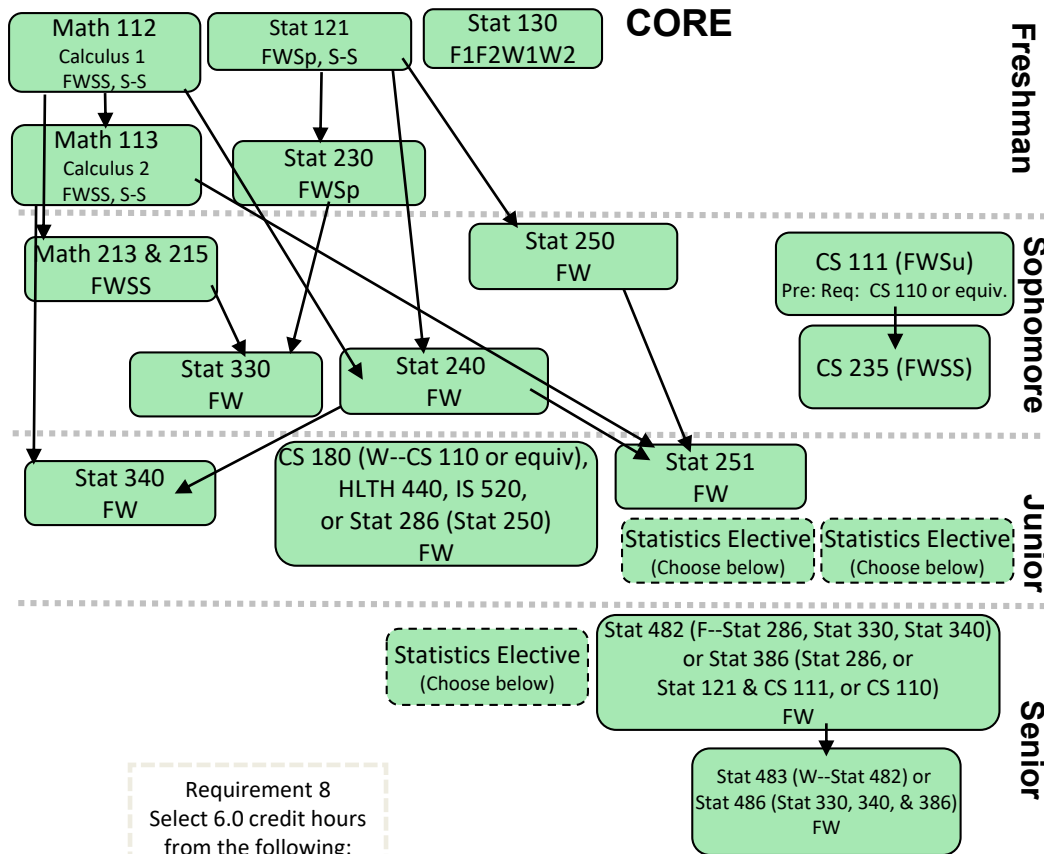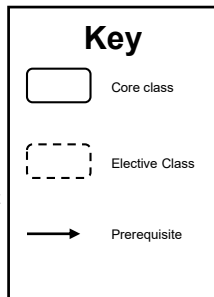
Requirements / Prerequisites
2023-2024 Academic Year

Key

- Core class (solid box)
- Elective Class (dashed box)
- → Prerequisite

CORE

Major (56.5 Hours)

1. Complete the following course: Stat 121 and Stat 130
2. Complete the following courses: Stat 230, Stat 240, Stat 250, Stat 251, Stat 330, Stat 340.
3. Complete the following courses: Math 112, 113, 213, & 215.
4. Complete three hours from the following courses: CS 180, HLTH 440, IS 520, Stat 286.
5. Complete either Stat 482 and 483 or Stat 386 and Stat 486.
6. Complete: CS 111, CS 235.
7. Complete 3.0 elective hours selected from the following courses: Stat 381, Stat 435, Stat 437, Stat 451, Stat 466, Stat 469, Stat 495R, Stat 531, Stat 538.
8. Complete 6.0 Elective hours selected from the following courses: IS 515, IS 520, Math 314, Math 341, Math 342, Stat 234, Stat 274, Stat 281, Stat 286, Stat 348, Stat 381, Stat 395R, Stat 435, Stat 437, Stat 451, Stat 466, Stat 469, Stat 495R, Stat 496R, Stat 497R, Stat 531, Stat 538.

Minor (19 Hours)

1. Complete one of the following: Stat 121, or Stat 201.
2. Complete Math 112, Math 213, Math 215, Stat 230, Stat 240, Stat 330.

Flowchart boxes

- **Math 112** Calculus 1 FWSS, S-S
- **Stat 121** FWSp, S-S
- **Stat 130** F1F2W1W2
- **Math 113** Calculus 2 FWSS, S-S
- **Stat 230** FWSp
- **Stat 250** FW
- **Math 213 & 215** FWSS
- **CS 111 (FWSu)** Pre: Req: CS 110 or equiv.
- **CS 235 (FWSS)**
- **Stat 330** FW
- **Stat 240** FW
- **Stat 340** FW
- **CS 180 (W--CS 110 or equiv), HLTH 440, IS 520, or Stat 286 (Stat 250)** FW
- **Stat 251** FW
- **Statistics Elective** (Choose below)
- **Statistics Elective** (Choose below)
- **Statistics Elective** (Choose below)
- **Stat 482 (F--Stat 286, Stat 330, Stat 340) or Stat 386 (Stat 286, or Stat 121 & CS 111, or CS 110)** FW
- **Stat 483 (W--Stat 482) or Stat 486 (Stat 330, 340, & 386)** FW
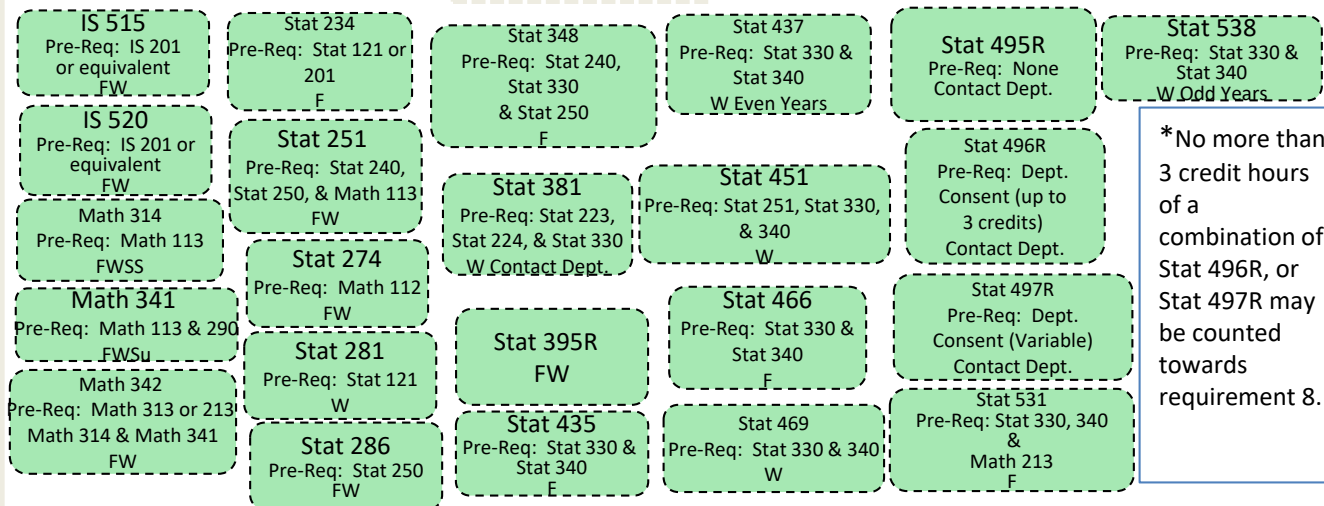
Requirement 7 — Select 3.0 credit hours from the following:

All courses listed in Requirement 8 except IS 515, IS 520, Math 314, Math 341, Math 342, Stat 234, Stat 251, Stat 274, Stat 281, Stat 286, Stat 348, Stat 395R, Stat 496R, and Stat 497R

Note: All Courses only count once towards the major.

Guide only—please consult MyMAP for full requirements.

Please Note: When Taught is subject to change.

Requirement 8 — Select 6.0 credit hours from the following:

- **IS 515** Pre-Req: IS 201 or equivalent FW
- **IS 520** Pre-Req: IS 201 or equivalent FW
- **Math 314** Pre-Req: Math 113 FWSS
- **Math 341** Pre-Req: Math 113 & 290 FWSu
- **Math 342** Pre-Req: Math 313 or 213 Math 314 & Math 341 FW
- **Stat 234** Pre-Req: Stat 121 or 201 F
- **Stat 251** Pre-Req: Stat 240, Stat 250, & Math 113 FW
- **Stat 274** Pre-Req: Math 112 FW
- **Stat 281** Pre-Req: Stat 121 W
- **Stat 286** Pre-Req: Stat 250 FW
- **Stat 348** Pre-Req: Stat 240, Stat 330 & Stat 250 F
- **Stat 381** Pre-Req: Stat 223, Stat 224, & Stat 330 W Contact Dept.
- **Stat 395R** FW
- **Stat 435** Pre-Req: Stat 330 & Stat 340 E
- **Stat 437** Pre-Req: Stat 330 & Stat 340 W Even Years
- **Stat 451** Pre-Req: Stat 251, Stat 330, & 340 W
- **Stat 466** Pre-Req: Stat 330 & Stat 340 F
- **Stat 469** Pre-Req: Stat 330 & Stat 340 W
- **Stat 495R** Pre-Req: None Contact Dept.
- **Stat 496R** Pre-Req: Dept. Consent (up to 3 credits) Contact Dept.
- **Stat 497R** Pre-Req: Dept. Consent (Variable) Contact Dept.
- **Stat 531** Pre-Req: Stat 330, 340 & Math 213 F
- **Stat 538** Pre-Req: Stat 330 & Stat 340 W Odd Years

*No more than 3 credit hours of a combination of Stat 496R, or Stat 497R may be counted towards requirement 8.