BYU
Applied Physics: Data Science BS

Requirements / Prerequisites
2026-2027 Academic Year

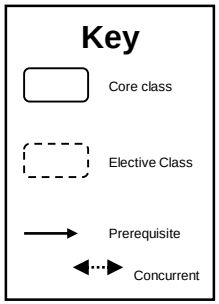
Major (66-68 Hours)

1. No more than 3 hours of D credit is allowed in major courses.
2. Complete the following: CS 111, CS 235, Math 113, PHSCS 121, PHSCS 123, PHSCS 191, PHSCS 220, PHSCS 222, PHSCS 225, PHSCS 230, PHSCS 240, PHSCS 291, PHSCS 318, PHSCS 321, PHSCS 330, PHSCS 360, PHSCS 383 PHSCS 430, STAT 201.
3. Complete one of the following: PHSCS 427, PHSCS 428, PHSCS 441, PHSCS 451, PHSCS 461, PHSCS 471, PHSCS 581
4. Complete nine hours of the following: CS 270, CS 473, CS 474, EC EN 380, Math 380, Math 510, PHSCS 530, PHSCS 580, Stat 220, Stat 230, Stat 251, Stat 286, Stat 330, Stat 386
5. Complete one of the following math options: Take either Math 302 and Math 303 OR Math 213, Math 215, Math 314, and Math 334.
6. Complete two credits from either PHSCS 492R or PHSCS 498R.
7. Take the Physics Major Field Test your last semester.

Physics Minor

Minor (20 Hours)

1. Complete the following 5 courses: Math 113, PHSCS 121, PHSCS 123, PHSCS 220, PHSCS 222.
2. Complete 4.0 hours from the following courses: PHSCS 127, PHSCS 137, PHSCS 167, PHSCS 225, PHSCS 230, PHSCS 240, PHSCS 310, PHSCS 311, PHSCS 318, PHSCS 321, PHSCS 330



Requirement 2: Choose 1

- PHSCS 427 Pre-Req: PHSCS 228, CS 111, & Math 314 or Math 302 F
- PHSCS 441 Pre-Req: PHSCS 220 & 318 FSp
- PHSCS 471 Pre-Req: PHSCS 123 & 220 & Math 302 or 314 WSu
- PHSCS 451 Pre-Req: PHSCS 222 & 318 F
- PHSCS 581 Pre-Req: PHSCS 222 F
- PHSCS 428 Pre-Req: PHSCS 228, CS 111, & Math 334 or Math 303 W
- PHSCS 461 Pre-Req: PHSCS 121 & Math 303 or 334 W

Requirement 3: Complete 9 hours

- CS 270 Pre-Req: CS 111 & Math 112 FW
- CS 473 Pre-Req: C S 270, Math 213 & 215 FW
- CS 474 Pre-req: CS 312 or Math 320 FW
- EC EN 380 Pre-Req: ECEN 240, Math 213, Math 215, Math 334, Phscs 220 F
- Math 380 Pre-Req: Math 215, CS 180, And Stat 121 or Stat 201 FW
- Math 510 Pre-Req: Math 410 F (contact department)
- PHSCS 530 Pre-req: PHSCS 330 W
- PHSCS 580 Pre-req: Math 213 or 215 F
- Stat 220 Pre-Req: Stat 121 or 201 & CS 110 or 111 F
- Stat 230 Pre-Req: Stat 121 or 201 FWSp
- Stat 251 Pre-Req: Stat 240, 250 & Math 113 FW
- Stat 286 Pre-req: Stat 230 FW
- Stat 330 Pre-Req: Stat 230 & Math 112 FW
- Stat 386 Pre-Req: Stat 121 & CS 111 FW

Note: When Taught is subject to change.

F=Fall, W=Winter, Sp=Spring, Su=Summer, S-S=Spring-Summer, SS=Spring & Summer.

Guide only—please consult MyMAP for full requirements.

Updated 10/01/2026