

BYU Chemistry BS

Requirements / Prerequisites 2025-2026 Academic Year

Major (76 Hours)

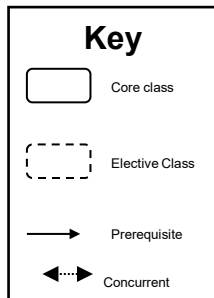
- Complete the following: Chem 111, Chem 112, Chem 113, Chem 201, Chem 227, Chem 351M, Chem 352M, Chem 354, Chem 381, Chem 391, Chem 460, Chem 462, Chem 463, Chem 464, Chem 465, Chem 495, Chem 514, Chem 518, Chem 594R
- Complete the following: Math 112, Math 113, Math 213, Math 215, Phscs 121, Phscs 220
- Complete either Chem 455 or Chem 521 & 523.
- After consulting with an advisor, complete 12 hours from the following: Bio, 130, Cell 120, Chem 384, Chem 397R, Chem 455, Chem 482, Chem 483, Chem 496R, Chem 498R, Chem 521, Chem 523, Chem 552, Chem 553, Chem 555, Chem 563, Chem 565, Chem 567, Chem 569, Chem 581, Chem 584, Chem 586, Chem 596R, HONRS 499R, Phscs 123

Minor (20.5-21.5 Hours)

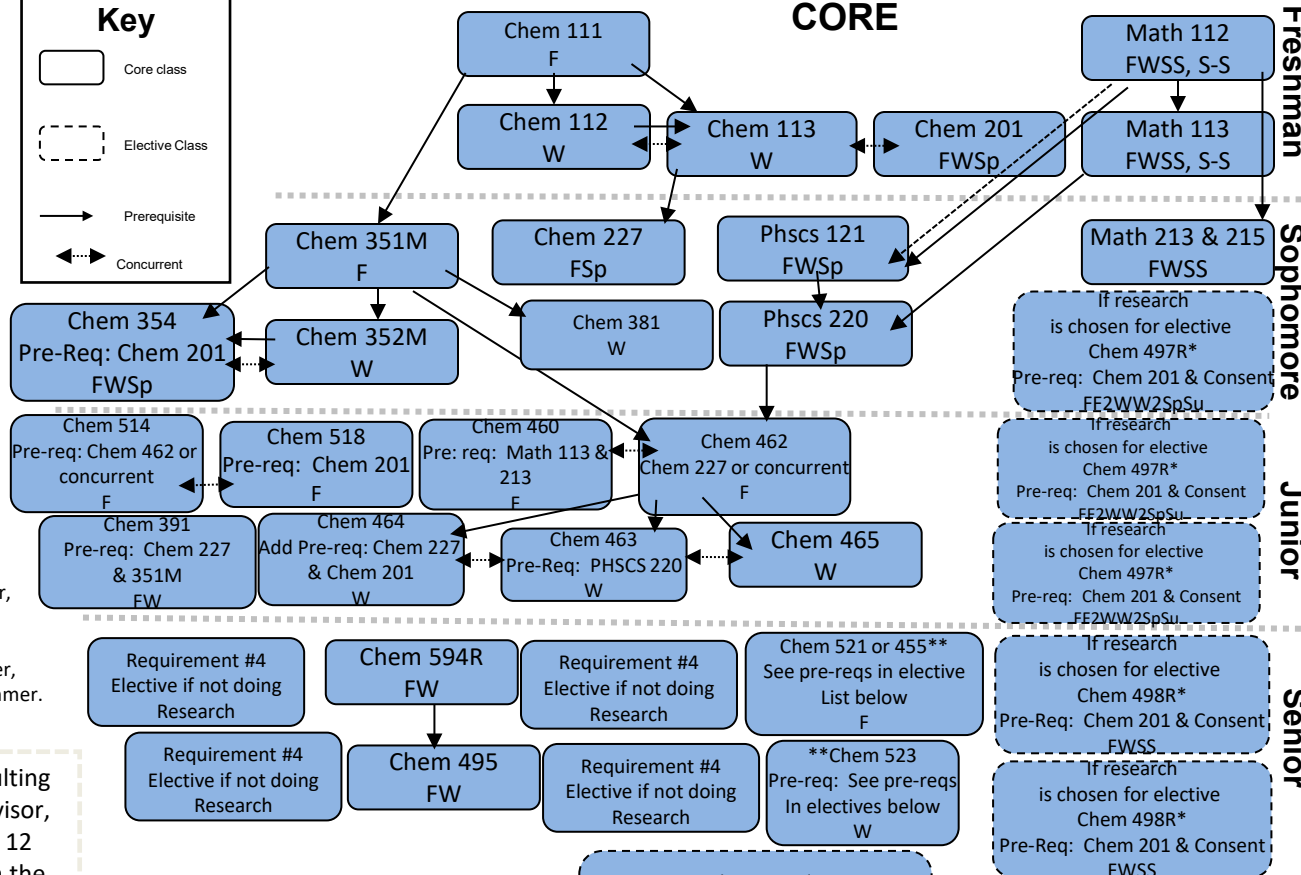
- Complete one of the following options:
 - Chem 111, Chem 112, Chem 113.
 - Chem 105, Chem 106, Chem 107.
- Complete two courses from the following: Chem 351, Chem 352, Chem 357, Chem 462, Chem 463, Chem 467, Chem 468, Chem 481.
- Complete Chem 201.
- Complete two hours from the following: Chem 353, Chem 354, Chem 355, Chem 464, Chem 465.
- Complete 1 of the following courses: Chem 227 or Chem 455.

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

After consulting with an advisor, complete 12 hours from the following to fulfill requirement #4.



CORE



Freshman

Sophomore

Junior

Senior

*Bio 130 or CELL 120
FWSp(depending on class)

Chem 482
Pre-Req: Chem 381 Or Chem 481
E

CHEM 384
Chem 201 & Chem 227
Concurrent with Chem 381
See department

Chem 483
Pre-Req: Chem 482
W

Chem 397R
Pre-req: Chem 111, Chem 112, & Chem 113
When taught: Contact Dept

Chem 496R
Pre-req: Chem 201 & Instructor's consent
FWSS

Chem 455
Pre-Req: Chem 354 & Chem 201
F

Chem 498R*
Pre-Req: Chem 201 & Consent
FWSS

Chem 455
Pre-Req: Chem 354 & Chem 201
F

Chem 521
Pre-Req: Chem 462 & PHSCS 220
E

Chem 523
Pre-Req: Chem 201 & 521
W

Chem 552
Pre-Req: Chem 352 (M), Chem 462 & Chem 463 (or 468)
F

Chem 553
Pre-Req: Chem 352(M)
W

Chem 555
F

Chem 563
Pre-Req: Chem 462 & Chem 463
Contact Department

Chem 565
Pre-Req: Chem 462
W

Chem 567
Pre-Req: Chem 462 & 463
Contact Department

Chem 569
Pre-Req: Chem 462 Chem 467, or Chem 468
E

Chem 581
Pre-Req: Chem 482
E

Chem 584
Pre-Req: Chem 227, Chem 381M, & Chem 384
F

Chem 586
Pre-Req: Chem 584
W

Chem 596R
Pre-Req: None,
Contact Department

Honrs 499R
FWSS

PHSCS 123
Pre-req: PHSCS 121, Calculus
FWSp

With approval, certain 300-level and above courses in allied fields of physics, statistics, engineering, and biology

*Enrolling in CHEM 497R and 498R gives students an opportunity to be mentored in a faculty's research lab and receive class credit. Enrollment in 497R can be repeated for several successive semesters, usually followed by 498R. Permission is required from the faculty member. Contact the department office for specific details.

** Take either Chem 521 & 523 or 455 for the required class(s). The other course(s) may be used towards the 12 credits of electives.

Please note: When Taught is subject to change. Only one course from Bio 130, Cell 120, or phscs 123 may be used. Guide only—please consult MyMAP for full requirements.