BYU Mathematics:
Applied & Computational Mathematics Emphasis
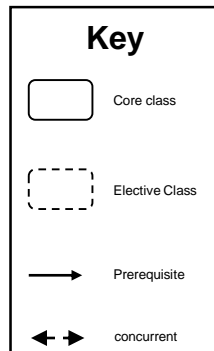## Requirements / Prerequisites
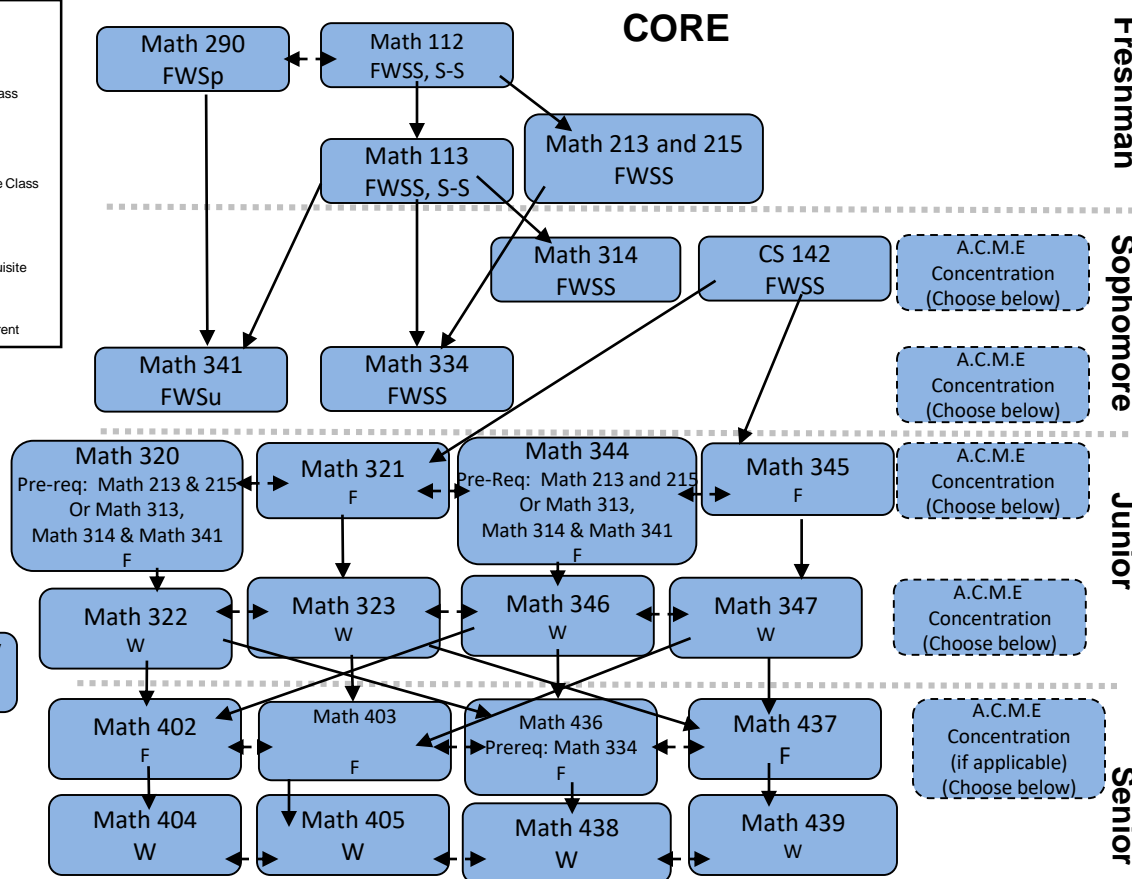## 2021-2022 Academic Year

Major (70-75 Hours)

1. Complete the following core requirements: CS 142 or Math 495R (4 credits) as part of EMC2 (https://math.byu.edu/emc2/), Math 112, Math 113, Math 290, Math 314, Math 334, Math 341.
2. Complete Math 213 and Math 215 (or Math 313).
3. Complete the following core courses during fall semester of junior year: Math 320, Math 321, Math 344, Math 345
4. Complete the following core courses during winter semester junior year: Math 322, Math 323, Math 346, Math 347.
5. An internship in the spring/summer after your junior year is strongly recommended.
6. Complete the following core requirements during fall semester of senior year: Math 402, Math 403, Math 436, Math 437.
7. Complete the following core classes during winter semester of senior year: Math 404, Math 405, Math 438, Math 439.
8. Complete a concentration from list found at http://www.acme.byu.edu/emphases/.
9. Complete either the GRE Mathematics Subject Test or the Mathematics Major Field Test.

Key

- ☐ Core class
- ⬚ Elective Class
- → Prerequisite
- ◄► concurrent

CORE

Freshman

- Math 290 FWSp
- Math 112 FWSS, S-S
- Math 113 FWSS, S-S
- Math 213 and 215 FWSS

Sophomore

- Math 314 FWSS
- CS 142 FWSS
- A.C.M.E Concentration (Choose below)
- Math 341 FWSu
- Math 334 FWSS
- A.C.M.E Concentration (Choose below)

Junior

- Math 320 — Pre-req: Math 213 & 215 Or Math 313, Math 314 & Math 341 — F
- Math 321 F
- Math 344 — Pre-Req: Math 213 and 215 Or Math 313, Math 314 & Math 341 — F
- Math 345 F
- A.C.M.E Concentration (Choose below)
- Math 322 W
- Math 323 W
- Math 346 W
- Math 347 W
- A.C.M.E Concentration (Choose below)

Internship is strongly recommended spring/summer

Senior

- Math 402 F
- Math 403 F
- Math 436 — Prereq: Math 334 — F
- Math 437 F
- A.C.M.E Concentration (if applicable) (Choose below)
- Math 404 W
- Math 405 W
- Math 438 W
- Math 439 W

Complete a Concentration

Be sure to work on your concentration early on to ensure you have time to complete it without extending graduation. The most updated list of concentrations can be found here:
http://www.acme.byu.edu/emphases/.

Dr. Barker and Dr. Bakker are great resources to help you determine which concentration is best for you or if a customized concentration will work best for you. (contact info for Dr. Barker and Dr. Bakker is on the first page of packet).

Note: When Taught is subject to change. Guide only—please consult MyMAP for full requirements.