BYU Mathematics:
Applied & Computational Mathematics
Emphasis
Requirements / Prerequisites
2017-2018 Academic Year

Major (70 Hours)
2. Complete the following core courses during fall semester of junior year: Math 320, Math 321, Math 344, Math 346.
3. Complete the following core courses during winter semester of junior year: Math 322, Math 323, Math 344, Math 346.
4. Complete the following core requirements during fall semester of senior year: Math 402, Math 403, Math 436, Math 437.
5. Complete the following core requirements during fall semester of senior year: Math 402, Math 403, Math 436, Math 437.
6. An internship in the spring/summer after your junior year is strongly recommended.
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://math.byu.edu/concentrations.

Concentration lists below are used as a guide; if courses are no longer offered for a concentration, please contact faculty advisors.

Biology
Biol 130, 165, MMBio 240, PWS 340

Business Management
ACC 200, FIN 201, Bus M 241, & ORG B 320

Chemical Engineering
CH EN 273, 374, 533, 541

Chemistry
Chem 111H, 112, 462, 463

Civil Engineering
Civil Engineering: Structures/Structural Mechanics
CE EN 103, 203, 304, 306, 314, 343, 344, 351

Civil Engineering
Civil Engineering: Transportation
CE EN 103, 203, 304, 306, 314, 343, 344, 351

Civil Engineering
Civil Engineering: Water Resources and Environmental
CE EN 103, 203, 332, 351, and CE EN 431 or 433

Computer Science
Computer Science
CS 142, 224, 235, 236, 240

Cryptography
CS 235, Math 485, CS 465, and one of the following Math 371 or CS 324

Data Analysis

Economics
Econ 380, 388, 389, 580, & one of the following: Econ 382, 478, 582, 589

Electrical and Computer Engineering: Circuits
EE EN 240, 340, & one of the following EE EN 443 or 445

Electrical and Computer Engineering: Electromagnetics
EE EN 240, 360, 362, 462, & one of the following EE EN 464 or 466

Electrical and Computer Engineering: Signals and Systems
EE EN 240, 370, 380, & one of the following: EE EN 483, 485, or 487

Electrical and Computer Engineering: System Design
EE EN 345 or Stat 201, EE EN 483, 485, 580, 582, 589

Econ 388, Econ 390, Econ 393, Econ 450

Econ 110, Poli 200, & two of following: Poli 306R, 237, 138, 344, 444

Math 251, 230, 330, 344

One of following:
Chem 351, Chem 352, 431, 451, 452, 453, 454, 455

One of following:
Chem 481, Chem 482, 483, 484

PDBIO 350, 420, MMBIO 240

Guideline only—please consult MyMAP for full requirements.

Updated 8/2/2017