Review course descriptions and degree requirements in the University Bulletin. Rev: 9/29/2021
324 is alternative to 371 or 372 as a prereq for 471 and 472 (useful for engineering students).

346 is only requires 227.

304 is not a prereq for 471.

324, ODE Engineering

371, Ordinary Diff. Equations

375, Complex Analysis

471, Partial Diff. Equations

472, PDE & Math. Analysis

478, Real Analysis I

479, Real Analysis II

401, Modern Algebra I

402, Modern Algebra II

407, Number Theory

* 304 is not a prereq for 407.

404, Adv. Linear Algebra

304, Linear Algebra

304 is not a prereq for 407.

407, Number Theory

314 is alternative to 330 as prereq for 448, 381 and 386 (useful for engineering students).

314, Discrete Math

330, Number Systems

330, Number Systems

330 is alternative to 371 or 372 as a prereq for 471 and 472 (useful for engineering students).

371, Ordinary Diff. Equations

471, Partial Diff. Equations

323, Calculus III

329, Computing

447, Probability Theory

448, Math. Statistics

450, Life Contingency I

452, Life Contingency II

324, ODE Engineering

454, Financial Math

455, Regression Models

457, Statistical Learning

458, Time Series

446, Intro Financial Math

448, Math. Statistics

447, Probability Theory

450, Life Contingency I

346, Intro Financial Math

* 346 only requires 227.

448, Math. Statistics

324, ODE Engineering

455, Regression Models

457, Statistical Learning

458, Time Series

448, Math. Statistics

329, Computing

Computer Science: CS 373, 375, 432, 433, 435, 436, 458, 460, 471, 472

Review course descriptions and degree requirements in the University Bulletin.
Rev: 9/29/2021
For all majors:
- Finish 330 as soon as possible, no later than by the end of the fourth semester, preferably the third semester.
- Finish 304, 323 and 330 before advancing to an upper level course, even if they may not be the official prerequisite.
- Upper level courses are defined as MATH course above 330, excluding 449.
- For all courses, grade of C or better is required to count towards the major and as a prerequisite.
- Prerequisite requirements are strictly enforced. You will be automatically dropped from a course if you did not get C or better in the prerequisite course.
- Meet with your assigned faculty advisor.
- Plan to take 2 math courses per semester on average.
- Make a contingency plan – what if you flunk a class?

For BA Math Track majors.
1. Finish the five lower-level courses.
2. Take one course from each of the light yellow boxes (analysis, algebra and geometry/topology).
3. Take two more upper-level courses, as long as the two are NOT BOTH from the SAME light yellow box.
4. Within the five upper-level courses above, make sure that there exist a pair of courses from a pre-defined list shown in the University Bulletin.

For Actuarial majors:
- Take 346, 447 and 448 as soon as possible since they are prerequisites for many electives.
- It is too late to take 448 in the senior year.
- Take the School of Management VEE courses if you could, but they are not required.

Transfer Courses
- Seek pre-approval from the Director of Undergraduate Studies before registering courses outside of Binghamton, even if they appear on the transfer equivalency table.
- Online courses cannot be transferred.
- Foreign courses, especially summer/winter ones, are generally not transferred.
- Upper-level courses are rarely transferred.