

# MTH Prerequisite Flow Chart

Key: Follow arrows for PR, CR (Corequisite), and REC (Recommended)

## REQUIRED COURSES

- 229 (5) Calculus I
- 231 (4) Calculus III
- 230 (4) Calculus II
- 300 (4) Intro to Higher Math
- 331 (4) Linear Algebra
- 491 (2) Senior Seminar (Capstone)

## APPLIED MATH SEQUENCES

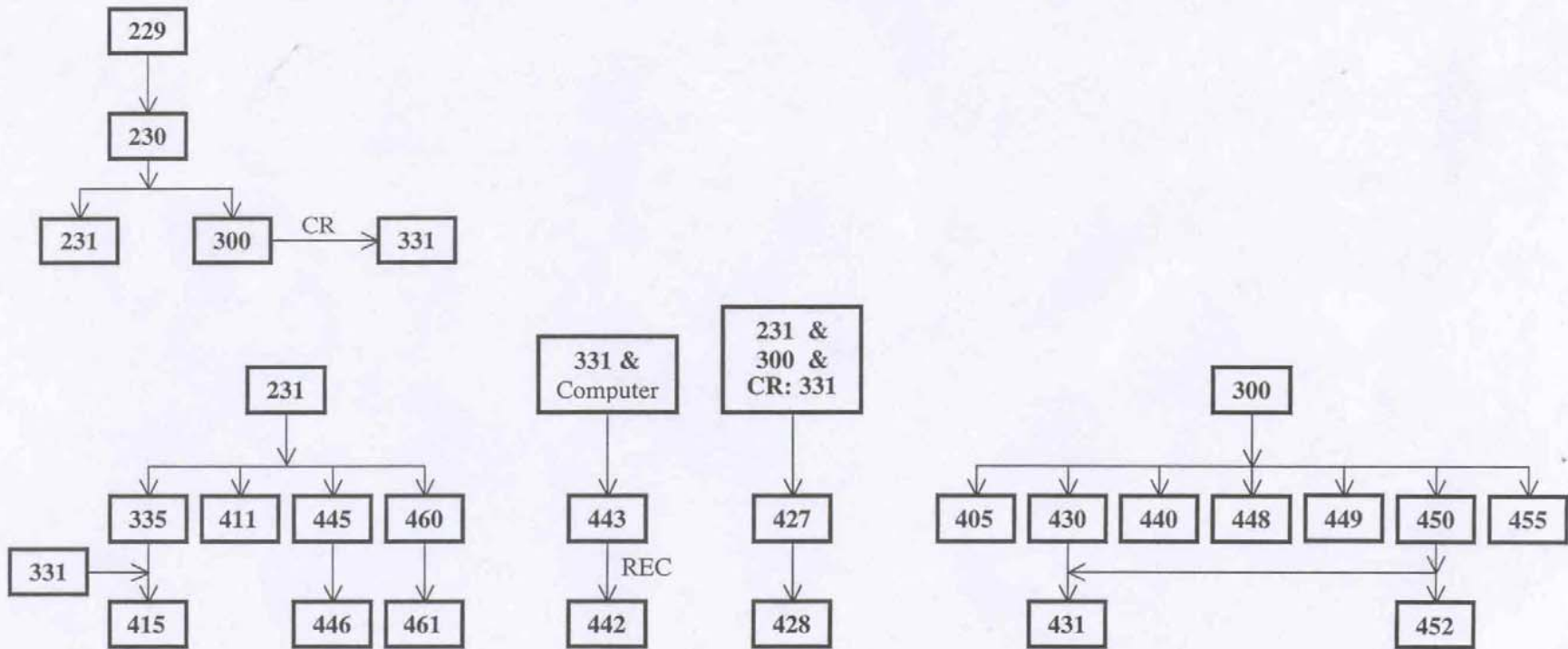
- 335 (4) Differential Equations
- 415 (3) Partial Diff Equations
- 442 (3) Numerical Linear Algebra
- 443 (3) Numerical Analysis
- 445 (3) Probability and Statistics I
- 446 (3) Probability and Statistics II
- 460 (3) Complex Variables I
- 461 (3) Complex Variables II

## MATH SEQUENCES

- 427 (3) Advanced Calculus I
- 428 (3) Advanced Calculus II
- 430 (3) Topology I
- 431 (3) Topology II
- 450 (3) Modern Algebra I
- 452 (3) Modern Algebra II
- 460 (3) Complex Variables I
- 461 (3) Complex Variables II

## OTHER ELECTIVE COURSES

- 405 (3) History of Mathematics
- 411 (3) Mathematical Modeling
- 440 (3) Discrete Mathematics
- 448 (3) Modern Geometries
- 449 (3) Projective Geometry
- 455 (3) Number Theory



The Marshall Plan Computer Competency requirement may be satisfied by CS 110 or IST 163.

Required Capstone Experience: MTH 491, Senior Seminar, or MTH 490, Math Internship, by Department permission.