Computer Science Emphasis Prerequisite Flow Chart

- **MATH 464 (F/S)** Theory of Probability
- **MATH 466 (F/S)** Theory of Statistics
- **MATH 415B (S)** Abstract Algebra
- **MATH 475A (F)** Numerical Analysis

**Elective Options:**
- MATH 413 (F/S) Linear Algebra
- MATH 433 (F/Even) Graphs & Networks
- MATH 446 (S/Odd) Number Theory
- MATH 415A (F) Abstract Algebra
- MATH 415B (S) Abstract Algebra
- MATH 447 (S/Odd) Combinatorics
- MATH 445 (S/Even) Cryptography
- MATH 475A (F) Numerical Analysis
- CSC 473 (F) Automata, Grammars, & Lang
- MATH 4XX (?) 5th Advisor-approved

**Prerequisites:**
- MATH 223 (F/S/Sum) Vector Calculus
- MATH 313 (F/S/Sum) Intro to Linear Alg
- MATH 355 (F/S) Anls Ord Diff Eqns
- CSC 110/CSC 250/ISTA 130 Programming

* = 475B is discontinued. Students in the Applied emphasis may choose one of these courses in addition to 475A for their “sequence”.

- = Required for Math major
- = Required for this emphasis
- = Several options are available to fulfill requirement

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