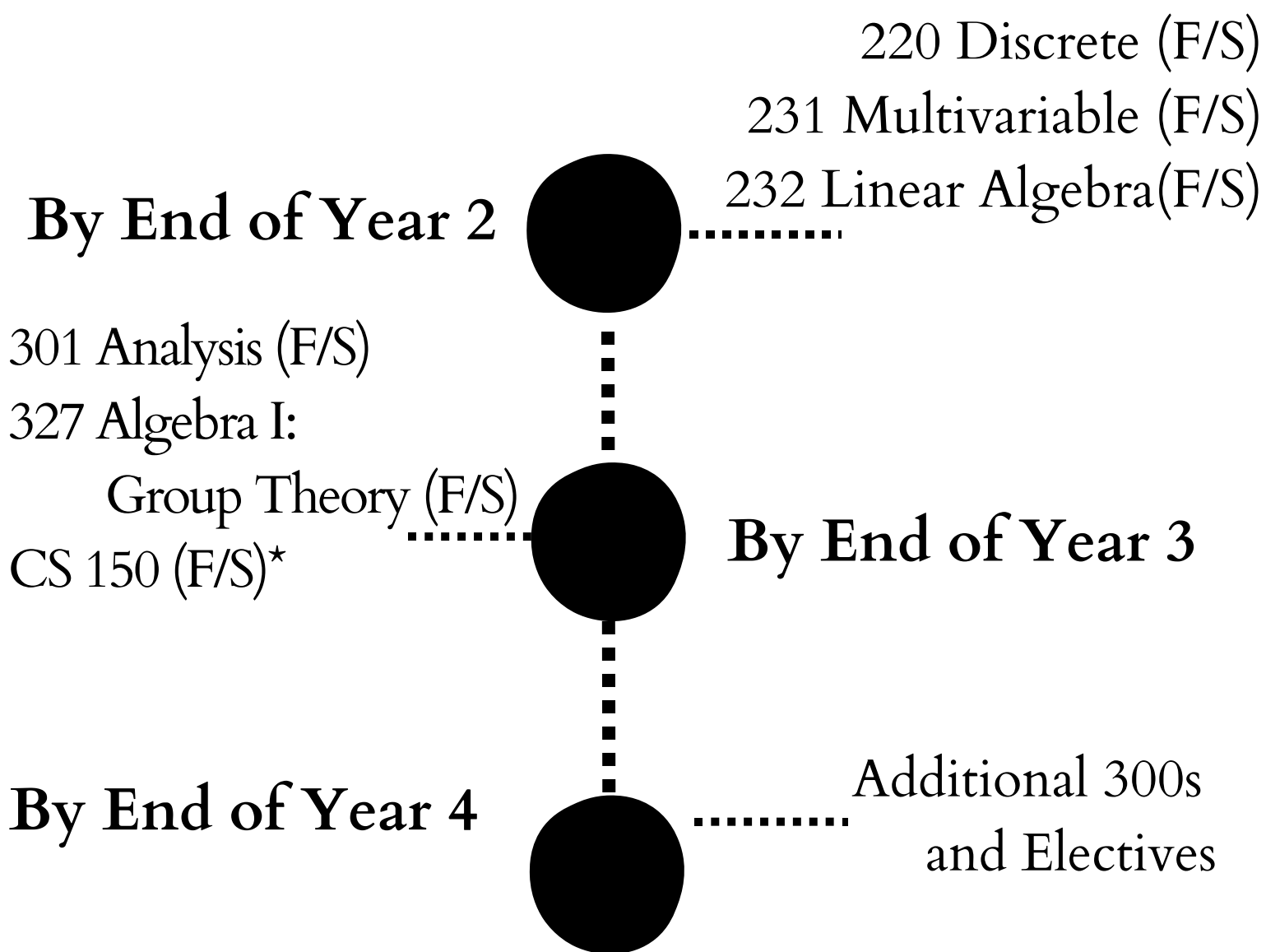


Oberlin College

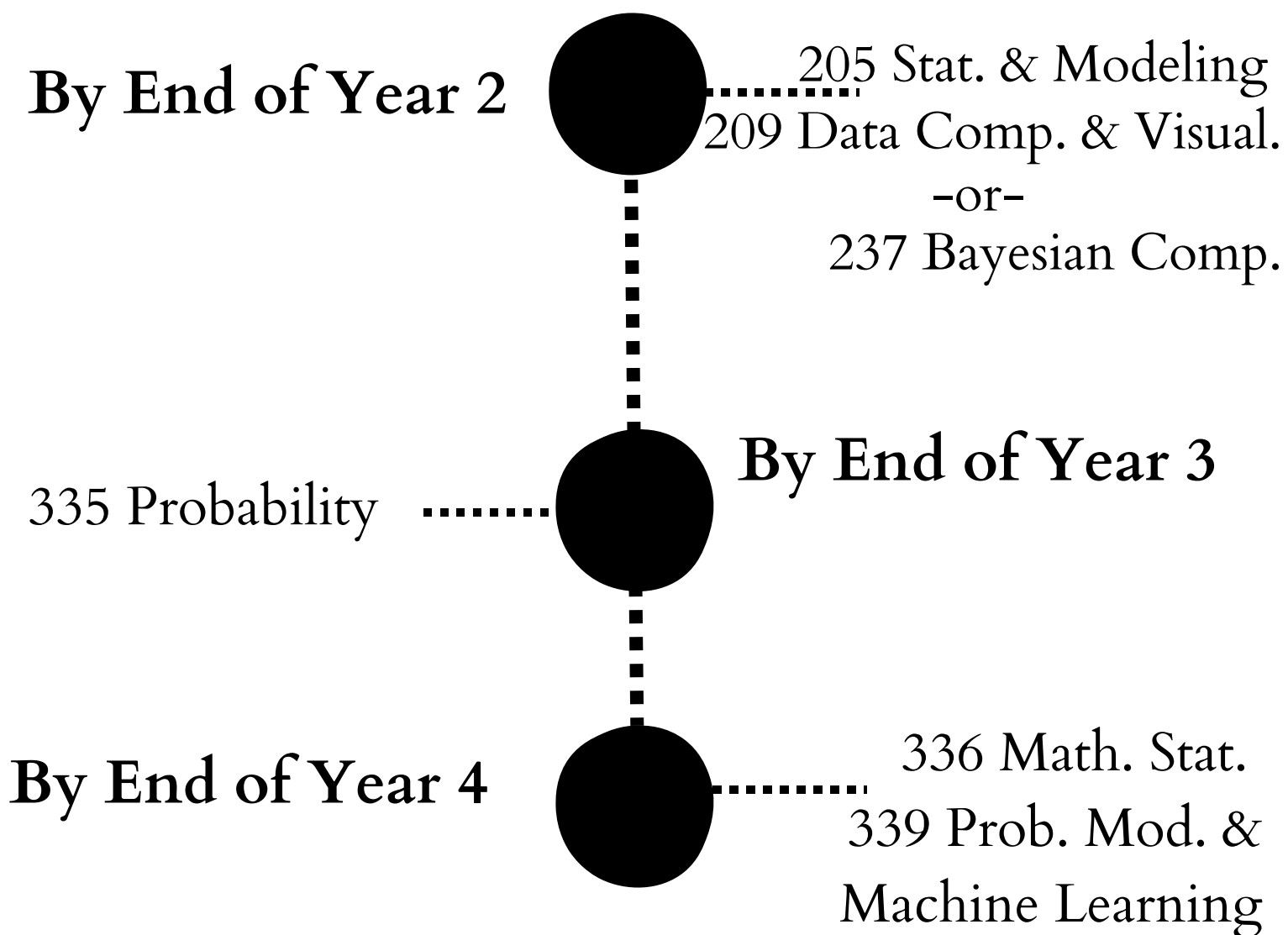
Mathematics Major Flow Chart

Calculus I & II are required if not already taken elsewhere



Recommended: MATH 234 Differential Equations

Additional Statistical Modeling Minor



Recommended: CS 151 & CS 280

For more information, see Statistical Modeling Minor in the Course Catalog

(F) Offered Every Fall

(S) Offered Every Spring

*Recommended By End Of Year 2 If Possible

300 Level Courses

301, 327, and 335 offered every year.

Other 300s generally offered in alternate years.

300s without a 300 level prerequisite:

302 Dynamical Systems

317 Number Theory

318 Cryptography

328 Computational Algebra

331 Linear Optimization

332 Nonlinear Optimization

335 Probability

342 Mathematics of Social Choice

350 Geometry

397 Seminar in Mathematical Modeling

STAT 339 Probabilistic Modeling and Machine Learning

300s with a 300 level prerequisite:

329 Algebra II: Rings and Fields

340 Mathematical Logic

343 Combinatorics

353 Topology

356 Complex Analysis

357 Harmonic Analysis

358 Real Analysis

STAT 336 Mathematical Statistics

Optional Areas of Emphasis within a Mathematics Major

Preparation for Graduate Studies in Mathematics

329 Algebra II, 353 Topology, and 356 Complex Analysis.

Take as many additional 300s as possible.

Operations Research & Industrial & Systems Engineering

331 Linear Optimization, 332 Nonlinear Optimization,
and 335 Probability.

Recommended: CS 151 and CS 280.

Connections to Computer Science

Courses among MATH 318, 331, 332, 397, and STAT 339.

CS 151 and 280.

Preparation for Actuarial Work

MATH 335 to prepare for Exam P.

Recommended: ECON 206 and STAT 336.

Connections to Economics

MATH 332, 335, and 342.