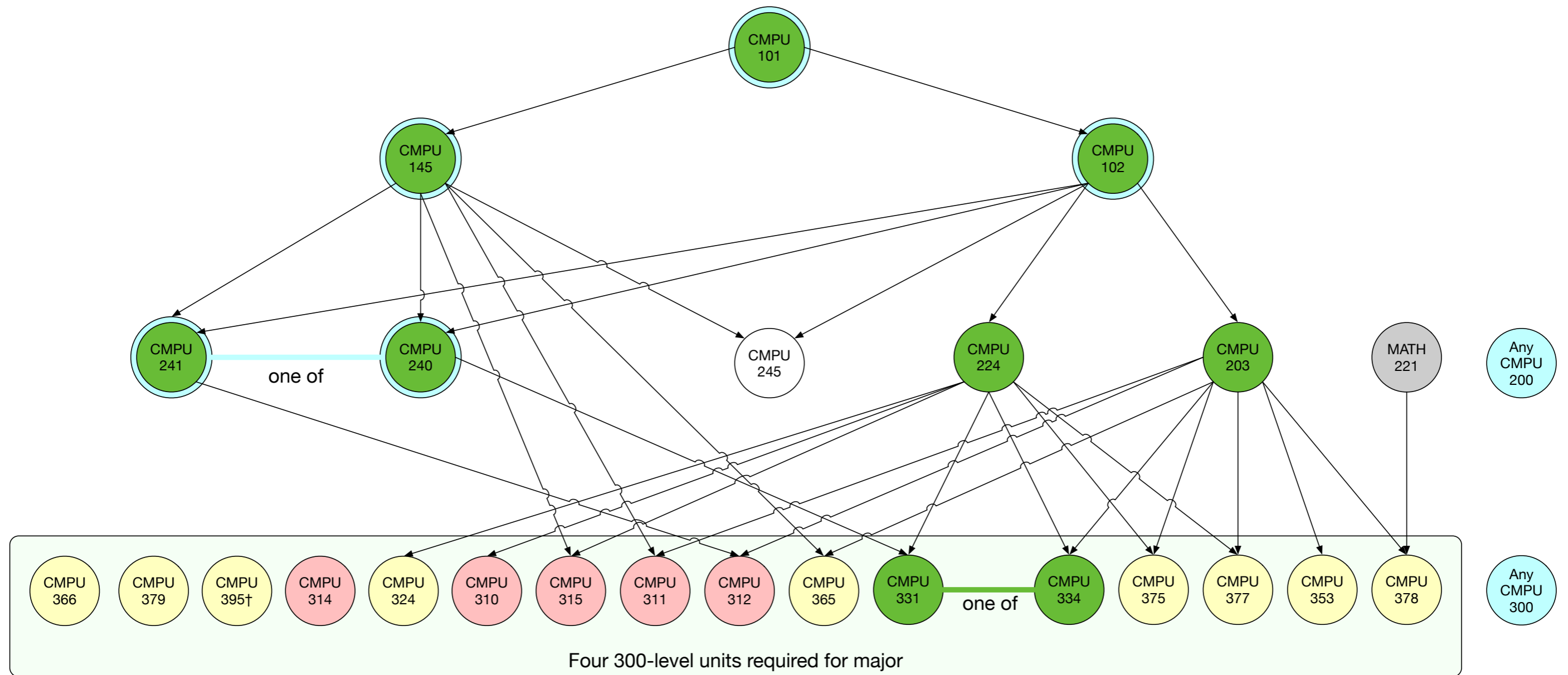


Vassar Computer Science Course Map



Major-required courses

CMPU 101 - Computer Science I: Problem-Solving and Abstraction
 CMPU 102 - Computer Science II: Data Structures and Algorithms
 CMPU 145 - Foundations of Computer Science
 CMPU 203 - Computer Science III: Software Design and Implementation
 CMPU 224 - Computer Organization
 CMPU 240 - Theory of Computation
 CMPU 241 - Analysis of Algorithms
 CMPU 331 or CMPU 334 - Compilers or Operating Systems
 CMPU-3XX - Three 300-level units

300-level electives

CMPU 324 - Computer Architecture
 CMPU 353 - Bioinformatics
 CMPU 365 - Artificial Intelligence
 CMPU 366 - Computational Linguistics
 CMPU 375 - Computer Networks
 CMPU 377 - Parallel Programming
 CMPU 378 - Graphics
 CMPU 379 - Computer Animation: Art, Science and Criticism
 CMPU 395 - Advanced Special Topics

Intensives

CMPU 310 - Topics in Virtualization
 CMPU 311 - Database Systems
 CMPU 312 - Applications of Artificial Intelligence
 CMPU 314 - Projects in Digital Media Production
 CMPU 315 - Computer Security

Correlate-required courses

CMPU 101 - Computer Science I: Problem-Solving and Abstraction
 CMPU 102 - Computer Science II: Data Structures and Algorithms
 CMPU 145 - Foundations of Computer Science
 CMPU 240 or 241 - Theory of Computation or Analysis of Algorithms
 CMPU 2xx - Any other 200-level course
 CMPU 3xx - Any 300-level course

200-level electives

CMPU 245 - Declarative Programming Models

Extra-departmental

MATH 221 - Linear Algebra

*At least two CMPU-200 level courses required for every CMPU-300 level course. †Prerequisites vary depending on topic.