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 or 241 - Theory of Computation or Analysis of Algorithms
- CMPU 2xx - Any other 200-level course
- CMPU 3xx - Any 300-level course

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 2xx - Any other 200-level course
- CMPU 3xx - Any 300-level course

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

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.