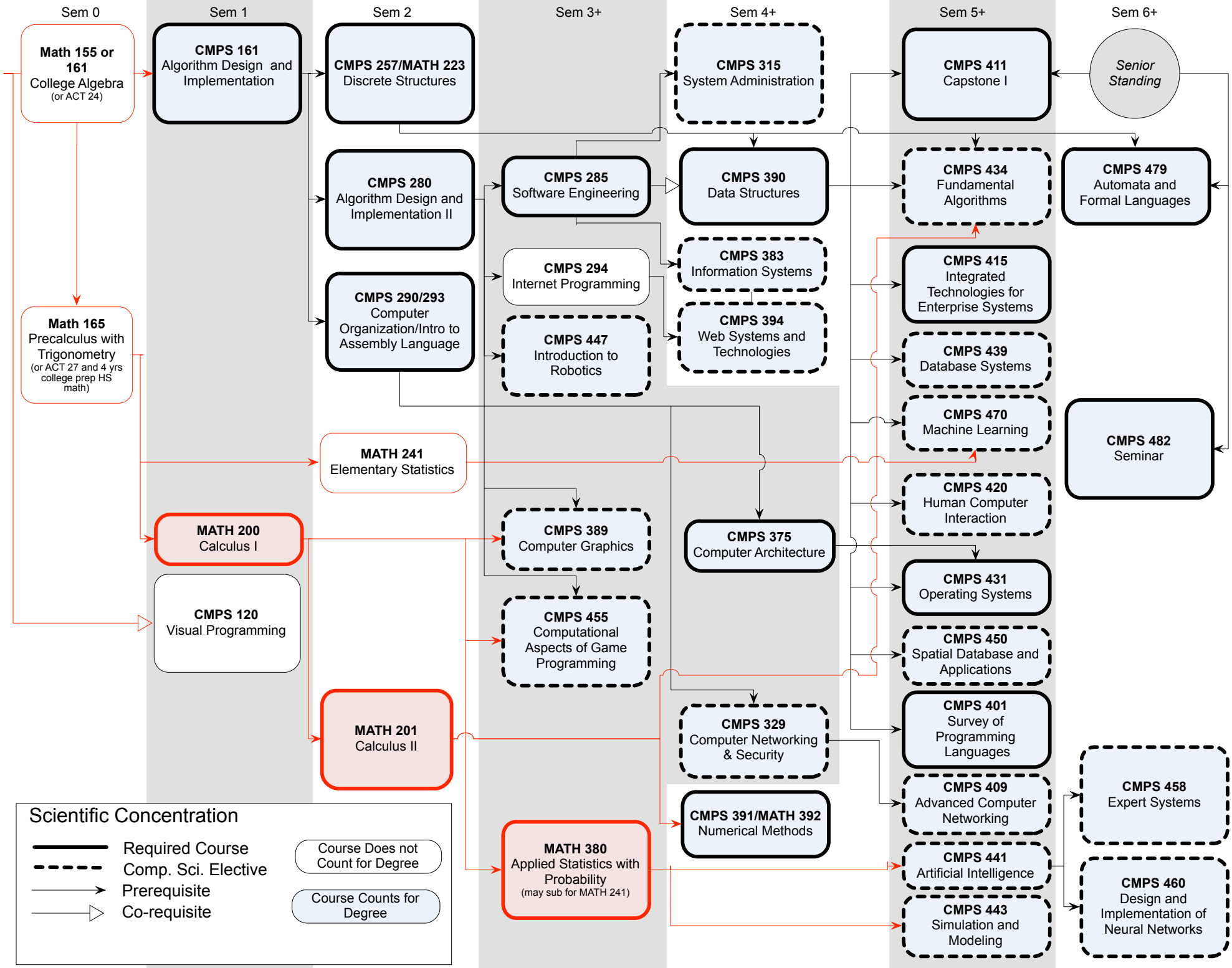
Sem 0
Sem 1
Sem 2
Sem 3+
Sem 4+
Sem 5+
Sem 6+
Math 155 or 161 College Algebra (or ACT 24)
CMPS 161 Algorithm Design and Implementation
CMPS 257/MATH 223 Discrete Structures
CMPS 315 System Administration
CMPS 411 Capstone I
Senior Standing
CMPS 280 Algorithm Design and Implementation II
CMPS 285 Software Engineering
CMPS 390 Data Structures
CMPS 434 Fundamental Algorithms
CMPS 479 Automata and Formal Languages
CMPS 294 Internet Programming
CMPS 383 Information Systems
CMPS 415 Integrated Technologies for Enterprise Systems
CMPS 290/293 Computer Organization/Intro to Assembly Language
CMPS 394 Web Systems and Technologies
CMPS 447 Introduction to Robotics
CMPS 439 Database Systems
Math 165 Precalculus with Trigonometry (or ACT 27 and 4 yrs college prep HS math)
CMPS 470 Machine Learning
CMPS 482 Seminar
MATH 241 Elementary Statistics
CMPS 420 Human Computer Interaction
MATH 200 Calculus I
CMPS 389 Computer Graphics
CMPS 375 Computer Architecture
CMPS 431 Operating Systems
CMPS 120 Visual Programming
CMPS 455 Computational Aspects of Game Programming
CMPS 450 Spatial Database and Applications
MATH 201 Calculus II
CMPS 329 Computer Networking & Security
CMPS 401 Survey of Programming Languages
CMPS 409 Advanced Computer Networking
CMPS 458 Expert Systems
CMPS 391/MATH 392 Numerical Methods
MATH 380 Applied Statistics with Probability (may sub for MATH 241)
CMPS 441 Artificial Intelligence
CMPS 460 Design and Implementation of Neural Networks
CMPS 443 Simulation and Modeling
Scientific Concentration
Required Course
Comp. Sci. Elective
Prerequisite
Co-requisite
Course Does not Count for Degree
Course Counts for Degree