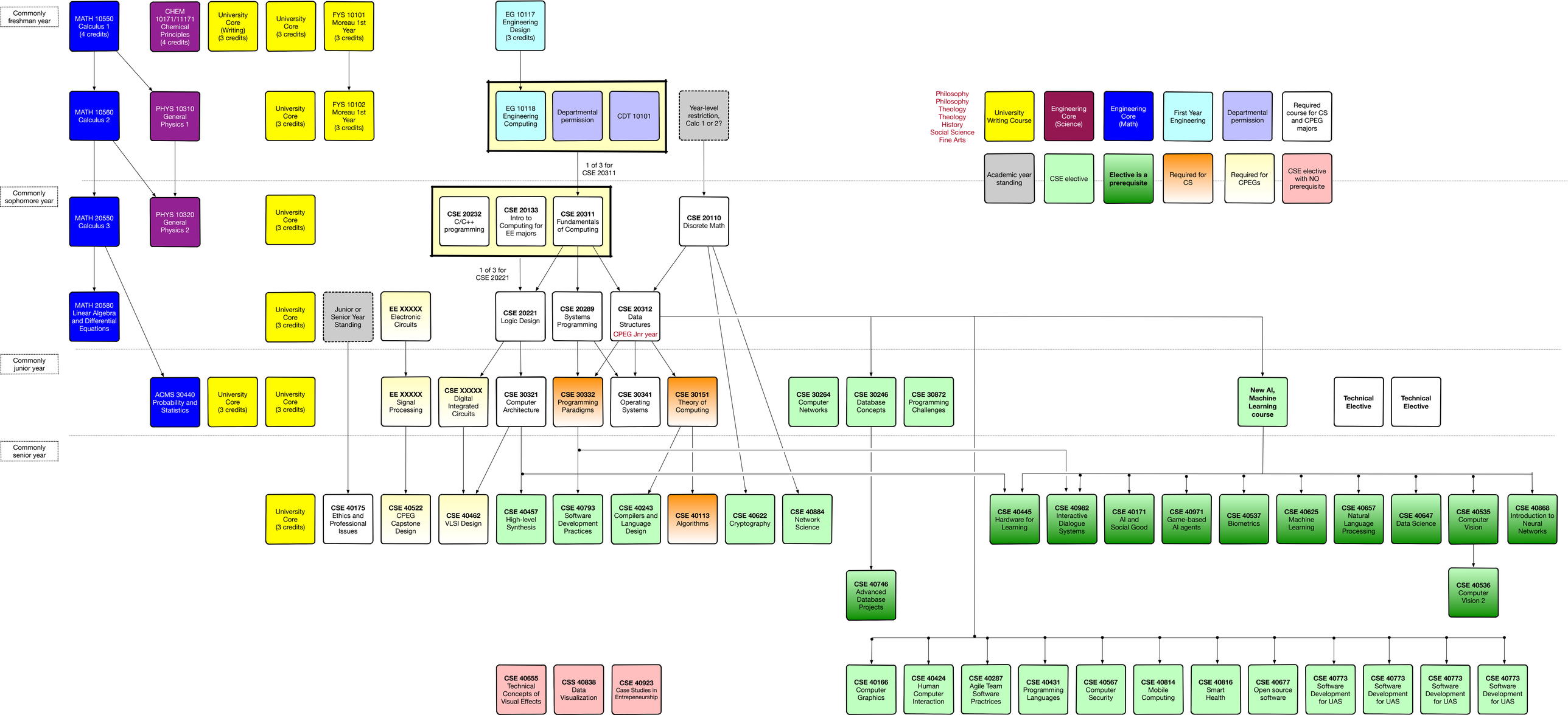
Commonly freshman year
MATH 10550 Calculus 1 (4 credits)
CHEM 10171/11171 Chemical Principles (4 credits)
University Core (Writing) (3 credits)
University Core (3 credits)
FYS 10101 Moreau 1st Year (3 credits)
EG 10117 Engineering Design (3 credits)
MATH 10560 Calculus 2
PHYS 10310 General Physics 1
University Core (3 credits)
FYS 10102 Moreau 1st Year (3 credits)
EG 10118 Engineering Computing
Departmental permission
CDT 10101
Year-level restriction, Calc 1 or 2?
1 of 3 for CSE 20311
Philosophy
Philosophy
Theology
History
Social Science
Fine Arts
University Writing Course
Engineering Core (Science)
Engineering Core (Math)
First Year Engineering
Departmental permission
Required course for CS and CPEG majors
Academic year standing
CSE elective
Elective is a prerequisite
Required for CS
Required for CPEGs
CSE elective with NO prerequisite
Commonly sophomore year
MATH 20550 Calculus 3
PHYS 10320 General Physics 2
University Core (3 credits)
CSE 20232 C/C++ programming
CSE 20133 Intro to Computing for EE majors
CSE 20311 Fundamentals of Computing
CSE 20110 Discrete Math
1 of 3 for CSE 20221
MATH 20580 Linear Algebra and Differential Equations
University Core (3 credits)
Junior or Senior Year Standing
EE XXXXX Electronic Circuits
CSE 20221 Logic Design
CSE 20289 Systems Programming
CSE 20312 Data Structures
CPEG Jnr year
Commonly junior year
ACMS 30440 Probability and Statistics
University Core (3 credits)
University Core (3 credits)
EE XXXXX Signal Processing
CSE XXXXX Digital Integrated Circuits
CSE 30321 Computer Architecture
CSE 30332 Programming Paradigms
CSE 30341 Operating Systems
CSE 30151 Theory of Computing
CSE 30264 Computer Networks
CSE 30246 Database Concepts
CSE 30872 Programming Challenges
New AI, Machine Learning course
Technical Elective
Technical Elective
Commonly senior year
University Core (3 credits)
CSE 40175 Ethics and Professional Issues
CSE 40522 CPEG Capstone Design
CSE 40462 VLSI Design
CSE 40457 High-level Synthesis
CSE 40793 Software Development Practices
CSE 40243 Compilers and Language Design
CSE 40113 Algorithms
CSE 40622 Cryptography
CSE 40884 Network Science
CSE 40445 Hardware for Learning
CSE 40982 Interactive Dialogue Systems
CSE 40171 AI and Social Good
CSE 40971 Game-based AI agents
CSE 40537 Biometrics
CSE 40625 Machine Learning
CSE 40657 Natural Language Processing
CSE 40647 Data Science
CSE 40535 Computer Vision
CSE 40868 Introduction to Neural Networks
CSE 40746 Advanced Database Projects
CSE 40536 Computer Vision 2
CSE 40655 Technical Concepts of Visual Effects
CSS 40838 Data Visualization
CSE 40923 Case Studies in Entrepeneurship
CSE 40166 Computer Graphics
CSE 40424 Human Computer Interaction
CSE 40287 Agile Team Software Practrices
CSE 40431 Programming Languages
CSE 40567 Computer Security
CSE 40814 Mobile Computing
CSE 40816 Smart Health
CSE 40677 Open source software
CSE 40773 Software Development for UAS
CSE 40773 Software Development for UAS
CSE 40773 Software Development for UAS
CSE 40773 Software Development for UAS