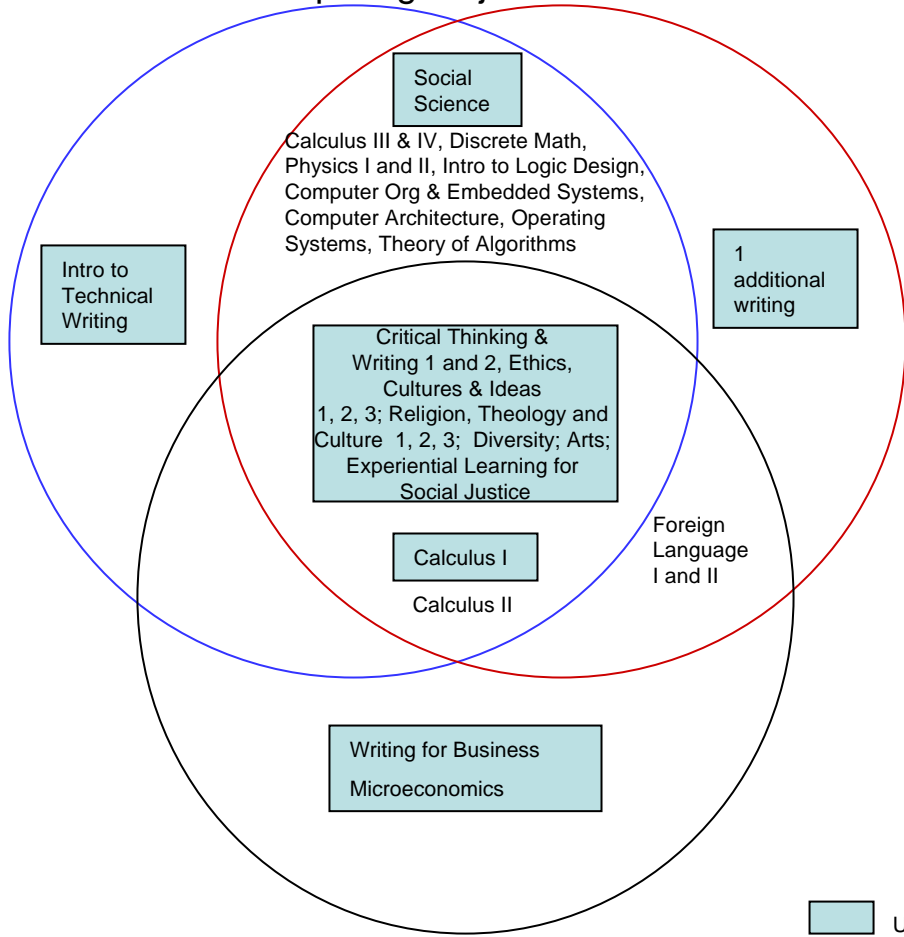


School of Engineering

Intro to Engineering
 Electric Circuits I
 Senior Thesis Project (COEN 194, 195, 196[2 units each])
 Differential Equations
 Linear Algebra (or Num. Methods)
 Probability & Statistics
 Physics III
 Chemistry I
 [Intro to Prog. (COEN 10)]
 Adv. Prog. (COEN 11)
 Data Structures (COEN 12)
 Formal Spec & Adv. Data Structures (COEN 70)
 Computer Arch. (COEN 122)
 Comp. Networks (COEN 146)
 Software Engin. (COEN 174)
 Formal Language & Compilers (COEN 175)
 3 COEN electives
 Electronic Circuits
 Integrated Circuit Design
 Integrated Ed. Req.

Santa Clara University Comparison of Requirements Computing Majors



College of Arts & Sciences

Abstract Algebra
 Linear Algebra
 2 upper division "pure" Math courses (Prob. & Stats. Recommended)
 Intro to Computer Science (CSCI 10)
 Object Oriented Prog. (CSCI 60)
 Data Structures (CSCI 61)
 Th. of Automata & Lang. (CSCI 161) or Numerical Analysis (CSCI 166)
 4 Computing Electives as follows:†
 •1 from COEN
 •2 from CS (courses in Math & CS)
 •1 from either

†CS Majors are recommended to choose elective courses in one of four tracks: Numerical Computation, Software, Foundations, Graduate School Preparation

Leavey School of Business

Intro to Bus. Computing Found. Of Leadership Bus. Leadership Skills Accounting 11 and 12 Stats and Data Analysis I and II Management Info. Systems Cont. Amer. Business	Org. & Management Princ. Of Marketing Financial Management Production Management Macro Economics International Economics Any natural science lab course	Structured Programming (OMIS 30) Database Management (ONIS 105) Systems Analysis & Design (OMIS 106) Systems Programming (OMIS 107) 3 OMIS Electives Business Capstone
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DISCLAIMER: This chart merely attempts to provide an overview comparing and contrasting the requirements of the majors. It is not meant to be an official document prescribing all requirements. For details, one should consult the most recent edition of the Undergraduate Bulletin.