**FIRST YEAR MAKING CONNECTIONS: 3 hrs.**
CS 1093: Making Connections

**GENERAL EDUCATION REQUIREMENTS: 44 hrs.**

*Any one course will count toward only one area.*

*One course must have a HIST prefix.*

*No more than two of same prefix except ENG or science & lab.*

*PHIL 1103 is required in one of its two categories below.*

**Communication: 6 hrs.**
- ENG 1003: Freshman English I
- ENG 1013: Freshman English II

**Mathematics: 4 hrs.**
- MATH 1054: Precalculus Mathematics

**Critical Thinking: 3 hrs. (one of next three)**
- PHIL 1103: Intro to Philosophy
- PHIL 1503: Logic & Practical Reasoning
- SPC/SCOM 1203: Oral Communication

**Understanding Global Issues: 3 hrs. (one of next four)**
- ANTH 2233: Intro Cultural Anthropology
- GEOG 2613: Intro to Geography
- HIST 1013: World Civilization To 1660
- HIST 1023: World Civilization Since 1660

**Arts and Humanities: 9 hrs. (three of next six)**
- Fine Arts (at least one of next three)
  - MUS 2503: Fine Arts – Musical
  - THEA 2503: Fine Arts – Theatre
  - ART 2503: Fine Arts – Visual
- Humanities (at least one of next three)
  - ENG 2003: Intro Lit of Western World I
  - ENG 2013: Intro Lit of Western World II
  - PHIL 1103: Intro to Philosophy

**Social Sciences: 9 hrs. (one of next three and three of next eight)**
- HIST 2763: The United States To 1876
- HIST 2773: The United States Since 1876
- POSC 2103: Intro to U. S. Government
- POSC 1003: Intro to Politics
- ECON 2313: Principles of Macroeconomics
- ECON 2333: Economic Issues & Concepts
- PSY 2013: Intro to Psychology
- SOC 2213: Intro to Sociology

**Science: 8 hrs.**
- Life Sciences
  - BIOL 1003: Biological Science
  - BIOL 1001: Biological Science Lab
- Physical Sciences
  - PHYS 2054: General Physics I

**Health and Wellness: 2–3 hrs. (one of next two)**
- NRS 2203: Basic Human Nutrition
- PE 1002: Concepts of Fitness

**MAJOR REQUIREMENTS: 51–52 hrs.**

**Computer Science (required): 30 hrs.**
- CS 1114: Concepts of Programming
- CS 2114: Structured Programming
- CS 2124: Object-Oriented Programming
- CS 3113: Data Structures
- CS 3233: Operating Systems
- CS 4113: Software Engineering I
- CS 4123: Software Engineering II
- CS 4313: Computer Networks
- CS 4543: Database Systems

**Computer Science (electives): 9 hrs.**
*May include MATH 4533 but not CS 1013.*

**Mathematics and Statistics: 9–10 hrs.**
- MATH 2183: Discrete Structures
- STAT 3233: Applied Statistics
  - (one of next three)
- MATH 2143: Business Calculus
- MATH 2194: Survey of Calculus
- MATH 2204: Calculus I

**Philosophy: 3 hrs.**
- PHIL 3723: Comps, Ethics, & Society

**FOREIGN LANGUAGE REQUIREMENT: 0–12 hrs.**
*See Foreign Lang Req on p. 247 of 2009–2010 Bulletin; each high school year waives one semester (no degree credit).*

**FREE ELECTIVES: 13–26 hrs.**
*Electives must complete 124 earned hours for the degree; they must include 12 hours junior/senior credit to reach 45.*

**Note:** Substitutions to major requirements must be accompanied by student petition approved by CS Curriculum Committee.
Graduation Check List

English proficiency
(C or better in ENG 1003 & 1013) —

3 hours HIST 2763 or 2773 or POSC 2103 —

2.00 average overall —

2.00 average in major —

2.00 average at ASU —

124 hours for degree —

18 of last 24 hours on ASU campus —

32 resident hours —

45 Jr/Sr hours after 30 hours —

Minimum 57 hours from 4-year institutions —

Maximum 31 hours
corr/ext/exam/CLEP/MS/USAFI
(maximum 30 hours by exam/CLEP) —

The above named student has met all requirements for graduation providing he/she satisfactorily completes the courses of current enrollment. If correspondence or transfer credit, official transcript must be filed with registrar at least three weeks prior to graduation.

Adviser Date

Chair of Computer Science Date

Dean of Sciences and Mathematics Date