### First Year Making Connections: 3 hrs.
- **CS 1093**: Making Connections CS
- **UC 1013**: Making Connections

### General Education Requirements: 35 hrs.
#### Communication: 9 hrs.
- **ENG 1003**: Composition I
- **ENG 1013**: Composition II
- **COMS 1203**: Oral Communication

#### Mathematics: 3 hrs.
- **MATH 1023**: College Algebra

#### Fine Arts and Humanities: 6 hrs.
- *Fine Arts (one of next three)*  
  - **ART 2503**: Fine Arts - Visual
  - **MUS 2503**: Fine Arts - Musical
  - **THEA 2503**: Fine Arts – Theatre
- *Humanities (one of next three)*  
  - **ENG 2003**: Intro Literature of Western World I
  - **ENG 2013**: Intro Literature of Western World II
  - **PHIL 1103**: Intro to Philosophy

#### Social Sciences: 9 hrs.
- *Economics (one of next two)*  
  - **ECON 2133**: Principles of Macroeconomics
  - **ECON 2133**: Economic Issues & Concepts
- **Understanding Global Issues (one of next eight)*
  - **ANTH 2233**: Intro to Cultural Anthropology
  - **GEOG 2613**: Intro to Geography
  - **HIST 1013**: World Civilization To 1660
  - **HIST 1023**: World Civilization Since 1660
  - **CMAC 1003**: Mass Communication in Modern Society
  - **POSC 1003**: Introduction to Politics
  - **PSY 2013**: Introduction to Psychology
  - **SOC 2213**: Introduction to Sociology
- *U. S. History or Government (one of next three)*  
  - **HIST 2763**: The United States To 1876
  - **HIST 2773**: The United States Since 1876
  - **POSC 2103**: Intro to U. S. Government

#### Science: 8 hrs.
- *Life Sciences (one of next four and BIOL 1001)*  
  - **BIOL 1003**: Biological Science
  - **BIOL 1033**: Biology of Sex
  - **BIOL 1043**: Plants and People
  - **BIOL 1063**: People and the Environment
  - **BIOL 1001**: Biological Science Laboratory
- *Physical Sciences (one of next three)*  
  - **PHYS 2034**: University Physics I
  - **PHYS 2054**: General Physics I
  - **PHYS 2073**: Fundamental Physics I and
  - **PHYS 2071**: Fundamental Physics I Laboratory

### Major Requirements: 69 – 73 hrs.
#### Computer Science (required): 30 hrs.
- **CS 1114**: Concepts of Programming
- **CS 2114**: Structured Programming
- **CS 2124**: OOP & Fundamental Data Structures
- **CS 3113**: Algorithms & Adv Data Structures
- **CS 3233**: Operating Systems
- **CS 4113**: Software Engineering
- **CS 4143**: Java and Application Development
- **CS 4313**: Computer Networks
- **CS 4543**: Database Systems

#### Computer Science ( electives): 12 hrs.
*May include MATH 4533 but not CS 1013*

### Mathematics and Statistics: 9 – 10 hrs.
- **MATH 2183**: Discrete Structures
- **STAT 3233**: Applied Statistics I
- **MATH 2194**: Survey of Calculus or
- **MATH 2204**: Calculus I

### English: 3 hrs.
- **ENG 3043**: Technical Writing

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

### Business Track: 12 – 15 hrs.
*See Business Track options on p. 382 of 2015-2016 Bulletin.*  
(See next page)

### Free Electives: 9 – 13 hrs.
*Electives must complete 120 earned hours for the degree.*  
*Electives must include junior/senior credit to reach total of 45.*

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

Business Track Options (one of next three tracks):

Electronic Commerce Track:
- CIT 3353, Web Site Design and Development
- CIT 4453, Global E-Commerce
- MKTG 3013, Marketing
- GCOM 3673, Desktop Publishing & Publication Design

Information Technology Track:
- CIT 2523, Telecom and Networking Essentials
- CIT 4453, Global E-Commerce
- CIT 4653, Automatic Data Capture
- CIT 4853, IT Project Management

General Business Track:
- ACCT 2023, Fundamental Accounting Concepts
- FIN 3713, Business Finance
- LAW 2023, Legal Environment of Business
- MGMT 3153, Organizational Behavior
- MKTG 3013, Marketing

Current Enrollment:

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

2.00 average overall

2.00 average in major

2.00 average at A-State

120 hours for degree

18 of last 24 hours on A-State campus

24 CS hours on A-State 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

Chair of Computer Science

Dean of Engineering and Computer Science