### Bachelor of Arts: Computer and Information Sciences

#### Department of Computer and Information Sciences (COINS)

**Liberal Arts Core Requirements (49 hrs):**

- **(3) English 111**
- **(3) English 112**
- **(3) English 202, 203, or 204**
- **(3) COMM 110 Public Speaking**
- **(3) Frgn Lng: One 200 lvl, or 213 (CHIN,FREN,SPAN,WRLD), or CHST (121+122 or 131+132), or MUSI 241**
- **(4) COIN 235 Intro to Cmp Science**

\*Courses that must be taken in the first four major terms (Fall/Spring)

- **(3) History 111, 112 or 113**
- **(3) Another History or Political Science 201**
- **(3) Econ 211 Microeconomics**
- **(4) Math 130 Pre-calculus**
- **(4) ART 201 or 202, or MUSI 171 or 371, or COMM 218 or 311**
- **(4) Lab Sciences (Two courses)**

**Limit one lab science course per category of Biology, Chemistry, Geology, or Physics.**

#### Major Requirements (43 hrs):

- **(3) MATH 209 Calculus for Business**
- **(3) MATH 213 Prblyt and Statistics**
- **(4) COIN 315 Data Structures**
- **(4) COIN 325 Java w/Elem Data Strc**
- **(4) COIN 332 Applied Networking**
- **(4) COIN 333 Applied Systems**
- **(3) COIN 495 System Analysis/Design**
- **(0) COIN 496 Portfolio Review**

- **(1) COIN 497 Senior Project Design**
- **(1) COIN 498 Senior Project Construction**
- **(1) COIN 499 Sr Proj Implement/Defense**
- **(3) ECON 212 Macroeconomics**
- **(3) ACCT 210 Principles of Accounting I**
- **(3) ACCT 211 Principles of Accounting II**
- **(3) MRKT 310 Principles of Marketing**
- **(3) MGMT 310 Principles of Management**

#### Major Electives (23 hrs):

- **8 hrs COINS, then any 15 hrs of COINS, ACCT, BUSI, MRKT, MGMT or MATH courses at the 300 level or above (not BUSI 314)**

#### Suggested Tracks:

3. IT Management (9 hrs): BUSI 305 Finance, 336 Legal Environment, MGMT 331 Production and Op Mgmt
4. Human Cmptr Interface (10 hrs): BUSI 336 Legal Envrmt, MRKT 320 Consumers, COIN 334 User Intrfc

#### General Electives (10 hrs):

Any 10 hrs can be taken; however, the following are suggested or may be required as prerequisites.

- **(3) MATH 111 (or Math 110) College Algebra (Prerequisite for Math 130 and MATH 209)**
- **(3) MATH 215 Intro, to Info. Technology (Alternative if lacking programming experience.)**
- **(3) MATH 112 Intro to Christian World View and Critical Thinking**

#### Notes:

1. This major does not require a minor.
2. Prior to entry into the senior project series, student must submit a portfolio for review. See COIN 496 in catalog for detail.
3. Students must begin cognate requirements in the freshman year else they cannot complete in four years (due to scheduling and prerequisites). If a student needs prerequisites before beginning the cognate requirements, then summer courses may be required to move into the proper scheduling cycle for completion in four years.
4. Graduates must meet residency requirements. The current catalog residency requirements are: 36 of the last 46 hours must be earned while attending CSU. Of these, at least 12 must be 300-400 level courses.
5. Students may request one official degree audit through their MyCSU account. Suggest during the next to last semester.
6. Students are responsible to complete an Application for Graduation. See Registrar.
7. Full-time day students must meet convocation requirements. See the Student Development section of the catalog.
8. In cases of conflict between this checklist and the catalog, the catalog takes precedence.