**CSI Planning Checklist (B.S.) Major & Minor Sequence (CSCOMB)**

73 CREDIT PROGRAM

**NAME:** ________________________________

**ID:** ________________________________

### General Education

- [ ] Arts
- [ ] Challenges for the 21st Century
- [ ] Foreign Language
- [ ] Humanities
- [ ] International Perspectives
- [ ] Mathematics & Statistics
- [ ] Natural Sciences
- [ ] Social Sciences
- [ ] US History
- [ ] Writing and Critical Inquiry

### Computer Systems and Science Core (24 Credits)

- [ ] ICSI 201: Intro. to Computer Science (4)
- [ ] ICSI 210: Discrete Structure (4)**
- [ ] ICSI 213: Data Structures (3)**
- [ ] ICSI 333: Prog. Hardware-Software Interface (4)**
- [ ] ICSI 403: Algorithms and Data Structures (3)
- [ ] ICSI 404: Computer Organization (3)
- [ ] ICSI 409: Automata and Formal Languages (3)

**Grade of C or better required to count in major**

### Programming Language Principles (3 Credits)

- [ ] ICSI 311: Principles in Programming Language (3)

**Pre-requisite ICSI 210 & ICSI 213**

### Intensive Software Development (3 Credits)

- [ ] ICSI 402: Systems Programming (3)

**Pre-requisite ICSI 333 / AMAT 220 recommended**

### Mathematics (17 Credits)

- [ ] AMAT 112: Calculus I (4)
- [ ] AMAT 113: Calculus II (4)
- [ ] AMAT 214 OR any 300+: Calculus of Several Variables (4) **OR** AMAT 300 or above
- [ ] AMAT 220: Linear Algebra (3)
- [ ] AMAT 367: Discrete Probability (3)

### Physics & Laboratory Science (8 Credits)

- [ ] A PHY 140: Physics I: Mechanics (3)
- [ ] A PHY 145: Physics Lab I (1) *
- [ ] A PHY 150: Physics II: Electromagnetism (3)
- [ ] A PHY 155: Physics Lab II (1) *

*Students who took Physics I or II without a lab can substitute 1 credit of other lab work for each of the A PHY 145 and 155 requirements*

### Social Aspects of Computing (3 Credits)

- [ ] ICSI 300Z: Social, Security and Privacy Implications of Computing (3)

### Science Sequence (6 Credits)

- [ ] ________________
- [ ] ________________

One pair of related major biological or physical (not in mathematics or computer science) as approved by the department. Approved pairs include A BIO 130 and 131, A PHY 240 and 250, two courses from A PHY 353, 415, and 454, or others as advised

### Computer Science Electives (9 Credits)

- [ ] Elective ________________
- [ ] Elective ________________
- [ ] Elective ________________

6-9 credits must be from I CSI courses numbered 300-470 or 500-550 or specially approved. 0-3 credits may be in A PHY 353 or 454 in digital hardware, or A PHI 432 in advanced logic
<table>
<thead>
<tr>
<th>STUDENT INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID:</td>
</tr>
<tr>
<td>AVN:</td>
</tr>
<tr>
<td>Advisor:</td>
</tr>
</tbody>
</table>

COURSE RECOMMENDATIONS: