BSI Accreditation

- Mission Statement and Program Objectives
  The mission of the Department of Computer Science is to educate students, within a Christian environment, in areas of computer science and to advocate the field for the benefit of the discipline and for the good of the society.
  - Computer Science Program Objectives
  - To prepare students with a broad-based technical education in computer science.
  - To stimulate students to think clearly, be creative, and communicate effectively.
  - To instill a sense of professional ethics and civic responsibility.
  - To prepare students for employment in organizations that will utilize their computing and biology skills or to continue their education.

BSI Curriculum

- Computer Science (36 hours)
  - 1430, 1440, 2334, 2350, 3334, 3335, 3336, 3344, 3471, (3372 or 4337), 3000+ elective
- Life Science (20 hours)
  - 1305-1105, 1306-1106, 2306-2106, 4306-4106, 4 hours elective
- Chemistry (16 hours)
  - 1301-1101, 1302-1102, 3331, 3332, 3238
- Bioinformatics (9 hours)
  - 3350, 3360, 4c39

Ph.D. Proposal

- A fully-funded Ph.D. program....
  - 7 new faculty members over the next 10 years
  - 10 Ph.D. students
  - Expectations for 50% of positions to be externally-funded
  - Increased expectations for tenure and promotion for current and future faculty
  - Increased expectations for publication.
Ph.D. Proposal

• Revisit quality (skillset?) expectations for undergraduate vs. Master’s vs. Ph.D.
• Industry needs for graduate students.
  – What roles would a Ph.D. in CS perform in your organization?
  – Is there a preference for M.S. or Ph.D. in industry.
  – Is there a need for sponsored graduate students in industry?
  – Internships?
  – Endowed graduate stipends?

Ph.D. Proposal

• How can we effectively recruit Ph.D. students from industry?
• Would your organization support leave for students returning to school to pursue a terminal degree?

Ph.D. Proposal

• Given finite resources, how do you see the articulation of undergraduate and graduate education?
• Is there preference for experience over degree?
• Is a Ph.D. degree seen as too specialized? If so, what mechanisms can we use to cross-train in business to broaden business skill sets?