Undergraduate Program Activities

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Issues Under Consideration

- Evaluate current curriculum

- Degrees/specializations related to information security?

Common Core

CS 18000 - Problem Solving and Object-Oriented Programming

CS 18200 - Foundations of Computer Science

CS 24000 - Programming in C

CS 25000 - Computer Architecture

CS 25100 - Data Structures and Algorithms

CS 25200 - Systems Programming

Comments on Common Core

- Core consists of only freshman and sophomore level courses
- Core can be completed in 3-4 semesters
- Tracks can begin in 4th or 5th semester
- Core covers knowledge that all students must know (breadth)
- Tracks allow for selected depth in area(s) of most interest to each student

Tracks

- Computational Science and Engineering
- Computer Graphics and Visualization
- Database and Information Systems
- Foundations of Computer Science
- Machine Intelligence
- Programming Language
- Security
- Software Engineering
- Systems Programming

Data Science Degree: Core

Courses	Title	Credits	Semester
CS 18000	Problem Solving and Object-Oriented Programming	4	1
CS 18200	Foundations of Computer Science	3	2
CS 38003	Python Programming	1	2
CS 24200	Introduction to Data Science	3	3
STAT 35500	Statistics for Data Science	3	3
CS 25100	Data Structures & Algorithms	3	4
STAT 41600	Probability	3	4
CS 37300	Data Mining and Machine Learning	3	5
STAT 41700	Statistical Theory	3	5
CS 49000 LSDA	Large Scale Data Analytics	3	7

Questions

- How are the tracks perceived in job interviewing?

- Any suggestions about the CS degree requirements?

Degree/Concentration for Security?

- Purdue Polytechnic Institute started a Cyber Security bachelor degree.

- Should we do more beyond a Security Track?