CS 491/ECE 397

Illinois Cyber Security Scholars Program Seminar

Fall 2013

This course will be a one credit undergraduate seminar for students admitted to the Illinois Cyber Security Scholar Program (ICSSP). In addition, this course would be open and serve as an orientation seminar to all college of engineering undergraduate student interested in topics of information assurance and trust.

The goal for this seminar is to engage ICSSP students to the field of Cyber Security. In addition, the seminar is designed to facilitate scholarship students in becoming leaders in Information Assurance (IA) forum on campus.

The seminars will feature information assurance subject matter expert guest speakers from industry and government, community leaders, distinguished external researchers, faculty, and students discussing both the technical challenges and limitations of IA. Standard information assurance topics such as authentication, data integrity, ethics, and cyber security will be covered. This section meets with ECE 397.

Seminar/Program Requirements:

- Attendance to all seminars and related events is required
- Students are to make a minimum of 2 ICSSP presentations in other classes or organizations
- Develop an ICSSP presence on campus
  - Develop and present a security focused event for the CoE students
  - Update and maintain student Security Web Site
- Prepare for the CCDC Competition

First Year Students -

- Register on the SFS website
- Initiate Internship Placement for Summer 2014
- Meet with ICSSP director on a regular basis
- Identify IA related areas of interest

Second Year Students -

- Present on your summer internship during the seminar
- Participate in an ITI Security related research project 5-10 hours per week
- Initiate Full-time Employment Placement
- Identify a security related senior project and advisor by November, 2013
  - Submit a completed Senior Project Form by December 2013
  - Submit a two Page written description of the senior security research project by December, 2013