Center for Cybersecurity Innovation & Outreach

CSAC Meeting

April 4, 2020

Center Update

* Ally Frickel joined the Center
* Cybersecurity seminar for college students around the country in fall 2020
* Awaiting response about $70 million DoE

Cybersecurity Engineering Degree Update

* Removed 4 computer engineering tech electives
* Removed physics 2 and circuits courses

Cybersecurity Electives

* Current courses
  + Network security
  + Secure operating systems
  + Software analysis and verification for safety and security
  + Select grad courses
* Next year
  + Wireless security
  + IoT/CPS security
  + Cybersecurity practicum

Status of degree – enrollment

* 72 students (~32 freshmen, 3 to graduate may 2020)
* COVID-19 is also complicating enrollment projections

Status of degree – hiring

* Department has been looking for two faculty
* Hiring is temporarily on hold

Recruitment and Outreach

* Goal: provide resources for schools to introduce cybersecurity as a career
* Statewide effort to build pipeline and present opportunities
* IT-Adventures, IT-Olympics moved online this year
  + Looking to expand program
* Security Literacy curriculum for K-12 schools available

Iowa Cyber Hub

* Goal: create an ecosystem for companies, universities and community colleges to collaborate on addressing cybersecurity workforce
* Increase student interest in cybersecurity
* Onboarding Tim Orr as a consultant
* Redoing website

Cyber Defense Competitions

* ISU CDC: 10/2-3/2020
* Community College CDC: 12/4-5/2020
* National CDC: 2/5-6/2021 tentatively
* ISU CDC: 3/26-27/2021 tentatively
* High School CDC: 4/24/2021 tentatively

CDC Support

* Department provides money
* Companies provide attackers team
* Corporate sponsorship
  + Funding
  + Presentations
* Information assurance student group