

University of Louisville
College of Business
Department of Computer Information Systems

Certificate Program in Information Security

The Certificate in Information Security is designed for computer professionals in the region who wish to strengthen their knowledge and skills in the fast changing field of Information Security as well as students majoring in disciplines other than Computer Information Systems. Our vision is to respond to the challenges posed by the rapid technological advancements in the area of networking and consequent emergence of new and sophisticated threats and attacks on the nation's critical information infrastructure. The program outcomes are four-fold:

1. a timely, high quality, comprehensive training in Information Security
2. a nationally accredited certification for employees
3. a respected academic credential recognized by the federal, state and local governments as well as the private sector for critical infrastructure protection
4. a credential that fetches financial reward from employers

The curriculum for the Information Security Certificate program requires the completion of a total of 18 credits of coursework, consisting of six 3-credit courses. The courses are:

Required

- CIS 211 (Operating Systems)
- CIS 310 (Database Design)
- CIS 360 (Business Data Communications)
- CIS 480 (Introduction to Network Security)
- CIS 481 (Introduction to Information Security)

One elective from the following:

- CIS 482 (Introduction to Cryptography)
- CIS 483 (Introduction to Database Security)

All these courses have prerequisites that must be either completed prior to enrollment or receive a waiver based on work experience / transfer of credit from another institution.

Students interested in the Certificate program but are not currently enrolled at U of L must first be admitted to the Continuing Education unit in order to take the courses. The course tuition and other fees are as applicable for any undergraduate course at the university, including the resident and non-resident rates.

Schedule of course offerings are available online at <http://www.louisville.edu>. Details on the InfoSec program are available at <http://www.louisville.edu/infosec>.

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