1. **Course number and name**: CSCI 5431 Computer Security

2. **Credits and contact hours**: 3 credit, 3 contact

3. **Instructor’s or course coordinator’s name**: James Harris, PhD

4. **Text book, title, author and year**: None
   a. **Other supplemental materials**: None

5. **Specific course information**
   a. **Brief description of the content of the course (Catalog Description)**
   Computer security theory and practice fundamentals including methods of attack, defending against attacks, privacy vs. security, methods of encryption, authentication, writing secure code, web security, and network security.
   
   **Prerequisite**: A minimum grade of “C” in CSCI 2120
   
   **Corequisite**: CSCI 5332
   b. **Indicate whether a required, elective, or selected elective course in the program**
   Required course for BS-CS since 2013-2014 catalog.

6. **Specific goals for the course**
   a. **Specific outcomes of instruction, ex. The student will be able to explain the significance of current research about a particular topic.**
   
   - Recently moved from elective to required course. No assessment to student outcomes mapping available at this time.

   b. **Student Outcomes**
   N/A

7. **Brief list of topics to be covered**
   - OSI Model
   - TCI/IP Protocol Suite
   - Wireless Network Fundamentals
   - Securing Each OSI layer
   - Encryption
   - Operating System Security