

## Computer Science Schedule

The Department of Computer Science is committed to providing students in all its programs with the best possible education and part of that commitment means establishing a schedule that will fit student needs. The Department operates within both departmental resource and university policy constraints that require us to:

- Meet minimum enrolment levels. The requirements are 10 students in an undergraduate course and five in a graduate course. If enrolment falls below this level the department cannot run a course.
- Fit the room, daily schedule and instructor capacity. We have a fixed number of faculty, a fixed number of available periods, and a fixed space in which to work.

As a result of these constraints, the department has established the following principles and priorities and attempts within those constraints, to ensure that:

1. All core courses in the undergraduate program are offered each semester.
2. All prerequisite courses are offered each semester
3. Foundation courses (CS 1 and CS2 in particular) are offered with multiple sections and are available on both M-days and T-days.
4. All non-elective courses are offered at least once a year
5. All other courses are offered at least once every two years.
6. All core graduate courses are offered once a year
7. All other graduate courses are offered within an 18-month period.

To make your scheduling easier the department has developed a standard base schedule that will allow you to forward plan. While the department makes every effort to meet and, given available resources to exceed, this schedule, you should work towards fitting your progress towards your degree to this schedule.

## **Undergraduate**

### **Courses taught every Regular Semester**

DF 138 Intro to Digital Forensics and Information Assurance (Multiple Sections)  
CS 146 Introduction to Programming and Algorithms (Multiple Sections)  
CS 147 Programming Algorithms and Data Structures (Multiple Sections)  
CS 234 Networks I  
CS 272 Computer Organization I  
CS 334 Data Base Management Systems  
CS 362 Data Structures  
CS 437 Software Engineering  
CS 482 Programming Languages  
DF 492 Professionalism and Ethics

### **Courses Taught every Fall**

CS 278 Special Topics Programming COBOL  
CS 333 Computer Organization II  
DF 291 Network Security  
DF 391 Cryptography

### **Courses Taught every Spring**

CS 278 Special Topics Programming C w/ Unix  
CS 373 Human Computer Interaction  
CS 430 Language Translators  
CS 431 Computer Operating Systems  
DF 290 Hardware Forensics  
DF 390 Digital Forensics Tools  
DF 491 Information Security

### **Courses taught every Summer**

DF 138 Intro to Digital Forensics and Information Assurance  
CS 146 Introduction to Programming and Algorithms  
CS 147 Programming Algorithms and Data Structures  
CS 470 Game Programming  
DF 470 DC Challenge

## Graduate

### Courses taught every Semester

CS 561

DF 637

### Fall

CS 533 Microcomputer interfacing

CS 537 Database Security

CS 573 Neural Networks

CS 564 Programming Languages

CS 566 Database Systems

DF 583 Digital Forensics Investigation

DF 584 Software forensics Evidence Management

CS 535 Malware

DF 587 File System Forensics

CS 661 Network Security II

### Spring

CS 531 Operating systems

CS 536 Software Engineering

CS 532 Parallel Computing

CS 544 Data Mining & Knowledge Discovery

CS 572 Artificial Intelligence

DF 630 Cyber Law

DF 534 Digital Security

DF 531 Principle & Policy in Information Assurance

DF 661 Cyber Warfare & Terrorism

CS 534 Operating System Security

DF 566 Risk Assessment and Financial System Security

### Summer

CS 563 Networks & Data Communication

CS 574 Data Structures

DF 561 Network Security I

DF 589 Disaster Recovery

CS 568 Cryptography & Steganography

### **Non-Major courses**

CTE 133 Introduction to Computing (every semester)

CTE 233 Multimedia Technologies (Fall & Spring)

CTE 333 Web Technologies (Spring)

CTE 583 Educational Multimedia (Fall)

CTE 585 Critical Analysis of Instructional Software (Spring)

CTE 587 Designing Instructional Materials for the Web (Summer)

CTE 589 Development of Technology Infrastructure in Schools (Summer)