Course Details

Format

• 15-week course
• Not self-paced: Assignments have specific weekly deadlines
• Students login when convenient

Orientation

Before Class Begins

• New students must complete an online student orientation in Blackboard BEFORE the class begins.
• Students will be emailed a login link.
• Allow 2 hours to complete.

Email

• New students must set-up a Concordia email account
• During a term, all communication is through Concordia email

Attendance

• Attendance is recorded when a discussion or assignment is posted.
• Login at least 5 times per week.

Payment

• Students are emailed an invoice
• Payments made online or by phone
• Concordia processes invoices for state funded students.

Course Overview

There are three components to CSC 150: Theory, Practice and Application.

• Theory deals with computer concepts. For example, techniques of high-level to machine language translation will be studied with an emphasis on: what it is, how it works, and why it is used.
• Practice deals with computer system use, that is, hands-on exposure to a number of applications will be used in assignment sessions.
• Application deals with putting concepts to use in order to solve problems. For example, a typical problem will be presented and an acceptable solution will be generated for homework assignments.

Grading

• 3 unit tests 29%
• Assignments 42%
• Term Project 10%
• Final Exam 19%

• Term Project The final project is an application of computer skills to a real-life problem. This project will sharpen student communication and problem-solving skills.
• Tests Tests are True/False, Multiple Choice, and Short Answer
• Quizzes Quizzes will be taken online via Blackboard Learn.
• Textbook It is expected that you will read and understand text chapters before class discussion.
• Assignments Some assignments require installing a program to your laptop or computer
• Discussion Class discussion is based upon the text material but always goes far beyond what is covered in the text.

Counts as...CSC 150 counts in the Natural World category of Concordia’s required Liberal Arts Core Curriculum.

Drop Policy

• After a course begins, the student will pay for a course, even if dropped.
• The student pays based on the number of weeks completed.
  o Week 1-5: A percent refund
  o Week 6-10 0% and ‘W’ grade
  o Week 11-16 0% and ‘F’ grade
• ‘W’ Withdraw does not count in GPA
• ‘F’ Counts as a 0.0 in GPA

“Always two there are...”
A student success advisor is listed in the course. Contact the the advisor:
• If you are struggling in a class
• With questions you don’t want to ask your instructor
The precollege director can help with billing or enrollment questions:
• Tim Gieschen, 262-243-2077
  timothy.gieschen@cuw.edu

Technology

• Concordia uses Blackboard Learn which runs best in Firefox or Chrome.
• Students need a computer with reliable broadband internet access.
• Tablets and phones can be used but a laptop or desktop is suggested for tests and written assignments.
• Students check browser compliance at: bit.ly/cuwaacheck
It is OK if optional compliance on Java, Shockwave, and Flash show errors.
<table>
<thead>
<tr>
<th>Week</th>
<th>Readings</th>
<th>Graded Assignments</th>
</tr>
</thead>
</table>
| 1    | Introductory Materials  
The Syllabus  
Chap 0: Introduction | Initial Quiz: Due Sunday  
Assignment 1: Operating System Due Sun  
Discussion: Post by Wed, Reply by Sunday |
|      |          |                    |
| 2    | Chap 1 - Introduction to Computer Science  
Chap 2 - A Computing Environment  
Chap 3 - Introduction to Computer Systems  
Optional: Plus IT Assignment 2A, 2B | Assignment 2: Ad Review  
Quiz: Due Sun  
Discussion: Post by Wed, Reply by Sunday |
| 3    | Chap 4 – Grand Ideas  
Chap 6 – Origin of Comp. Science  
Optional: Plus IT Assignment 3A, 3B | Assignment 3: Easter Algorithm  
Quiz: Due Sunday  
Discussion: Post by Wed, Reply by Sunday |
| 4    | Chap 7 – Word Processing  
Chap 8 – Information Processing 1  
Chap 9 – Information Processing 2  
Optional: Plus IT Assignment 4A, 4B | Assignment 4: Document Tables  
Quiz: Due Sunday  
Discussion: Post by Wed, Reply by Sunday |
| 5    | Exam review reading | Exam #1: Due Sunday  
Discussion: Post by Wed, Reply by Sunday |
| 6    | Chap 10 – Human Computer Interaction 1  
Chap 11 – Human Computer Interaction 2  
Chap 12 – Graphics and Presentations  
Optional: Plus IT Assignment 6A, 6B | Assignment 6: Presentation Graphics  
(PowerPoint) Due Sun  
Quiz: Due Sunday  
Discussion: Post by Wed, Reply by Sunday |
| 7    | Chap 13 – Human Computer Interaction 3  
Chap 14 – Application Packages 1  
Chap 15 – Spreadsheets  
Optional: Plus IT Assignment 7A, 7B | Assignment 7: Spreadsheet Due Sun  
Quiz: Due Sunday  
Discussion: Post by Wed, Reply by Sunday |
| 8    | Chap 16 – Application Packages 2  
Chap 17 – Computer System Errors  
Chap 18 – Data Communications | Assignment 8: Website Creation Due Sun  
Quiz: Due Sunday  
Discussion: Post by Wed, Reply by Sunday |
| 9    | Chap 19 – Data Communications 2  
Complete note sheets for readings | Practice Exam: Due Sun  
**Exam #2: Due Sunday**  
Discussion: Post by Wed, Reply by Sunday |
| 10   | Chap 22 – Algorithms  
Chap 23 – Processor Architecture 1  
Chap 24 – Processor Architecture 2  
Optional: Plus IT Assignment 10A, 10B | Discussion: Post by Wed, Reply by Sun |
| 11   | Chap 25 – Programming Process  
Chap 26 – C++ Programming Lab  
Chap 27 – Programming Languages | Assignment 11: C++ Coding Due Sun  
Discussion: Post by Wed, Reply by Sun |
| 12   | Chap 28 – Systems Software 1  
Chap 29 – Systems Software 2  
Chap 30 – Storage Management Issues 1 | Assignment 12: Spreadsheet Analytics Due Sun  
Discussion: Post by Wed, Reply by Sun |
| 13   | Chap 31 – Storage Management Issues 2 | **Exam #3: Due Sunday**  
Discussion: Post by Wed, Reply by Sun |
| 14   | Chap 34 – Foundations of Computer Science  
Chap 35 – Foundations Hardware  
Chap 37 – Foundations Software | **Term Project:** Due Friday  
Discussion: Post by Wed, Reply by Sun |
| 15   | Chap 39 – Foundations People  
Chap 40 – Information, Intelligence, Meaning | Assignment 15: Open Office Spreadsheet Due Fri  
**Final Exam:** Due Friday  
Discussion: Post by Wed, Reply by Sun |