

Dual Credit: What to Expect

CSC 150 FOUNDATIONS OF COMPUTER SCIENCE

This is a general course preview. The actual course syllabus may change each term.

Course Details

Format

- 15 week course
- Not self-paced: Assignments have specific weekly deadlines
- Students login independently but will interact with classmates

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 2-3 hours to complete the orientation course.

Email

- Students should daily check their Concordia email for announcements and reminders.

Attendance

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

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Payment

- Students will be emailed a bill after the course begins
- Payments are made online

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%
° Homework	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** There will be a number of quizzes during CSC 150. These 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 satisfies Concordia's core requirement in *mathematics*. (Except IT majors)



Success Advisor / Coach

jessica.valdes@cuw.edu

Jessica Valdes is the dual credit success advisor. She can help with:

- Enrollment questions
- If you are struggling in a class
- Questions you don't want to ask your instructor



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.
 - Week 1-5 : A percent refund
 - Week 6-10 0% and 'W' grade
 - Week 11-16 0% and 'F' grade
- "W" Withdraw does not count in GPA
"F" Counts as a 0.0 in GPA



Technology

- Blackboard learn is Concordia's web based learning system.
- Blackboard contains all course content, videos, links, and course calendar.
- It runs best in **Firefox** or **Chrome**.
- Assignments are posted using the Drop Box feature in Blackboard

CSC 150 Foundations of Computer Science Schedule

Week	Readings	Graded Assignments
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
Unit 1 Overview		
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 Due Sun Quiz: Due Sunday Discussion: Post by Wed, Reply by Sun
3	Chap 4 – Grand Ideas Chap 6 – Origin of Comp. Science Optional: Plus IT Assignment 3A, 3B	Assignment 3: Easter Algorithm Due Sun Quiz: Due Sunday Discussion: Post by Wed, Reply by Sun
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 Due Sun Quiz: Due Sunday Discussion: Post by Wed, Reply by Sun
5	Exam review reading	Exam #1: Due Sunday Discussion: Post by Wed, Reply by Sun
Unit 2 User's View		
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 Sun
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 Sun
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 Sun
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 Sun
Unit 3 Functional View		
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
Unit 4 Foundational View		
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