

CSE1300 – Intro to Computing Principles

Summer 2025

Schedule subject to change

Week	Dates	Topics	Assessments & Notes
1	May 28 – Jun 1	- Course Overview, Syllabus, Rules - How we use computers daily - Survey of Computing Fields & Problem-Solving Focus - Problem Solving / Computational Thinking - Hardware (Components, specs, peripherals, form factors)	Assignment 1 Due: Sun Jun 1
2	Jun 2 – Jun 8	- Logic Gates & Binary (decimal→binary/hex, gates, simple adders) - Operating Systems	Quiz #1 Due: Sun Jun 8
3	Jun 9 – Jun 15	- Internet / Networking (IP addresses, routing, ISPs, protocols) - Cloud Computing (hosting, scaling, redundancy, microservices)	Assignment 2 Due: Sun Jun 15
4	Jun 16 – Jun 22	- Security (basics of encryption, symmetric vs. asymmetric, network/system security, social engineering) - Organizing & Analyzing Data (file formats, spreadsheets, data visualization) - Intro to AI (ML, Large Language Models, pros/cons)	Quiz #2 Due: Sun Jun 22
5	Jun 23 – Jun 29	- Ethics (ethical hacking, computing & society, privacy, HIPAA/PCI/GDPR) - Review (Weeks 1–5)	Midterm (Test #1) Exam: On Fri Jun 29 (All day)
6	Jun 30- Jul 6	- Database Systems (relational vs. non-relational, brief intro to SQL) - Websites (basic HTML/CSS/JS, hosting, UI design) - Software Engineering (version control, Agile, testing) - Intro to 3D Modeling/Printing	Assignment 3 Due: Sun Jul 6 Quiz #3 Due: Sun Jul 6
7	Jul 7 – Jul 13	-Intro to Python (I/O, variables) -Python (cont.) (loops, conditionals, using built-in libraries)	Assignment 4 Due: Sun Jul 13 Quiz #4 Due: Sun Jul 13
8	Jul 14 – Jul 20	- Controlling Hardware (Raspberry Pi basics, robotics/drone movements)	Quiz #5 Due: Sun Jul 20
	Jul 21 & Jul 22	- Review (Weeks 1–8)	
Finals	Jul 23 (noon) to Jul 24 (noon)	- Final Exam (Test #2)	

Key University Dates (Summer 2025)

- **Holiday:** Jun 19 (Th), Jul 4 (F) (no classes)
- **Last Day to Withdraw (W):** Jul 8 (Th) by 11:45 pm