COMPUTER SCIENCE 2018-2019  B.S. Honors Degree Requirements
Advising: ugrad-help@cs.utah.edu. Schedule appointments online at cs.utah.edu
Honors Degree requirements: 4 Honors Core, 3 Electives, 1 Thesis

PRE-MAJOR REQUIREMENTS:
C- or better in each course, and a minimum 3.0 average GPA (overall and within pre-major courses) required to apply for full major status.

1. CS 1030, Foundations of CS (3)
2. CS 1410, Object-Orient. Prog. (4)
3. CS 2420, Algorithms/Data Struct. (4)
4. Math 1210, Calculus I (QR)* (4)
5. Math 1220, Calculus II (QR)* (4)

GENERAL EDU. REQUIREMENTS:
*Honors options also accepted for FF, HF, FF, IR and DV courses. See Honors advisor for requirements.

1. Wrtg 2010, Intermediate Writing (WR2)* (3)
2. Wrtg 3012 or 3014 or 3015(CW)* (3)
3. American Institutions (AI)* (3)

SIX Intellectual Exploration (IE) courses required. TWO must be upper division (3000-level or above). ONE must satisfy the Diversity requirement and ONE must satisfy the International requirement.

4. Fine Arts (FF).* (3)
5. Fine Arts (FF).* (3)
6. Honors Intellectual Traditions (HF, HON); (3)
7. Honors Intellectual Traditions (HF, HON); (3)
8. Social/Behavioral Science (BF).* (3)
9. Social/Behavioral Science (BF).* (3)
   • Upper Division (3000+ level IE)
   • Upper Division (3000+ level IE)
   • Diversity (DV)*
   • International (IR)*

MATH / SCIENCE ELECTIVES:
C- or better required in all math/ science courses.

Accepted: Math, science or engineering courses with Math 1220 as a pre- or co-requisite (See DARS). Biol 1210, Chem 1210 also accepted.

NOT Accepted: CS courses (except CS 3130). Math 2200, Math 3010, Math 2250 not accepted if Math 2270 and/or Math 2280 are taken. Math 5010 and/or 3070 not accepted if CS 3130/ ECE 3530 is taken.

1. Physics 2210, Physics I* (4)
2. Math 2270, Linear Algebra (4)
3. CS 3130, Eng Prob & Stats (QI) (3)
4. ____________________________
5. ____________________________

*Honors options available. See Honors advisor for requirements.

The following requirements are restricted to FULL Majors:
C- or better required in all CS courses. CR/NC grading option not allowed for any major requirement. 2.5 GPA (overall & CS courses) required to graduate.

MAJOR REQUIREMENTS:

1. CS 2100, Discrete Structures (3)
2. CS 3500, Software Practice I (4)
3. CS 3505, Software Practice II (3)
4. CS 3810, Computer Organization (QI) (4)
5. CS 4150, Algorithms (QI) (3)
6. CS 4400, Computer Systems (QI) (4)

CS ELECTIVES:
Choose 7 total CS courses, 3000-level or above, 3-4 credits each. Seminars, CS 3992, CS 3130 not accepted. Only 1 Mobile Apps course will be accepted. Two 6000-level courses accepted toward Honors degree.

1. CS ____________________________ ( )
2. CS ____________________________ ( )
3. CS ____________________________ ( )
4. CS ____________________________ ( )
5. CS ____________________________ ( )
6. CS ____________________________ ( )
7. CS ____________________________ ( )

No more than 3 of the following may be accepted above as CS electives:
- (1) CS 4010, Internship
- (1) CS 4940, Research (if not used for capstone)
- (1) CS 4950, Independent Study
- (1) EAE course (3000+ level, 3+ credits)
- (1) Combination of 1-2 credit CS courses (3 credits total)
  CS 3011, 3020, 4190, 5040 and 1-2 credit special topics courses

THEORY RESTRICTED ELECTIVE
Choose ONE: (if both classes are taken, one will count as a CS elective above)

| CS 3100, Models of Computation (QI) | (3) |
| or | |
| CS 3200, Scientific Computing | (3) |

CAPSTONE REQUIREMENT:
Choose ONE set: (Permission required from Undergraduate Director for thesis)

| CS 4000, Senior Capstone Design | (3) |
| CS 4500, Senior Capstone Project | (3) |
| CS 4998, Honors Project Thesis (HON) | (1) |
| or | |
| CS 4940, Undergraduate Research | (3) |
| CS 4999, CS Honors Thesis/Project (HON) | (3) |

See the CS Undergraduate Handbook online for complete details, restrictions & requirements
For exceptions see SoC guidelines, cs.utah.edu/socguidelines