

COMPUTER SCIENCE DEGREE REQUIREMENTS

Category	Hours	Details
GenEd Requirements	27 hours	ENGL 160 & 161 = 6 hrs EWC + UCA + UP + UIS + UUSS = 15 hrs HSSA electives = 6 hrs
Math	11 hours	MATH 180, 181 & 210
Additional Required Math	9 hours	
Science Electives	10 hours	
Core CS Major Requirements	39 hours	
CS Technical Electives	18 hours	
Free Electives	14 hours	Any technical or non-technical (remedial or duplicative courses not allowed). Maximum 2 hours of Kinesiology allowed.
Total	128 hours	

GenEd Requirements: 27 hours

- ENGL 160 & ENGL 161 = 6 hours
- EWC + UCA + UP + UIS + UUSS – 3 hours/category x 5 categories = 15 hours
 - Find General Education approved list in undergrad catalog or DARS report
- HSSA – Humanities, Social Sciences & Art Electives = 6 hours
 - Any EWC + UCA + UP + UIS + UUSS classes; or
 - Any class with ENGL 161 as pre-requisite
 - Any foreign language classes
 - All classes in College of Architecture and Art (with some exceptions)

Additional Required Math: 9 hours

Choose 1 from:

- IE 342 or STAT 381 (credit for only one - NOT both)

Choose 2 from:

- MATH: 215; 220; 310 or 320; 430; 435; or 436
- MCS: 421; 423; or 471*
- STAT: 401 or 473

*MCS 471 can be used as CS Tech. Elective or Math requirement – NOT Both

Science Electives: 10 hours

Mix and match from the following for total 10 hours:

- BIOS 100 (5)
- BIOS 101 (5)
- CHEM (122 & 123) or 116⁺ – (4+1) or 5⁺ *Honors level class
- CHEM (124 & 125) or 118⁺ – (4+1) or 5⁺
- PHYS 141 (4); recommend taking PHYS 144 concurrently for additional 1 hour
- PHYS 142 (4); recommend taking PHYS 145 concurrently for additional 1 hour
- EAES 101 (4)
- EAES 111 (4)

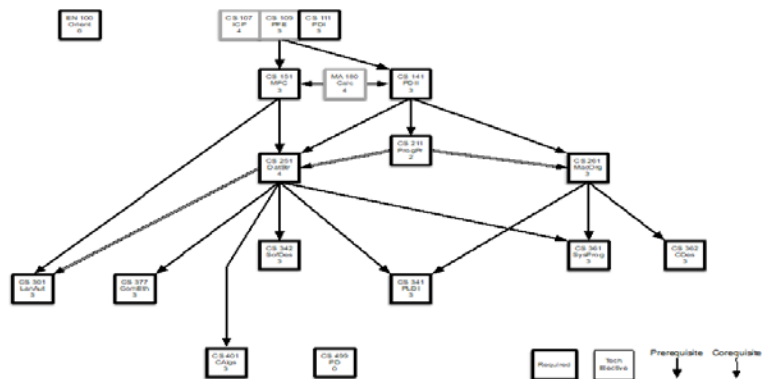
If total hours < 10, choose any science elective higher than classes above or from supplemental list.
If total hours >10, extra hours added to 'Free Electives'

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Core CS Major Requirements: 39 hours

All required:

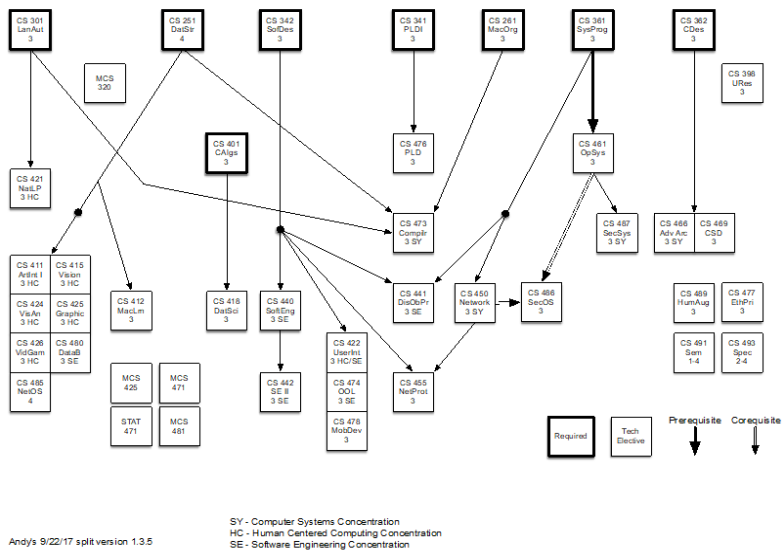
- ENGR 100
- CS 111
- CS 141
- CS 151
- CS 211
- CS 251
- CS 261
- CS 301
- CS 341
- CS 342
- CS 361
- CS 362
- CS 377
- CS 401
- CS 499



CS Technical Electives – 18 hours

Choose 6 from:

- CS 398
- CS 411
- CS 412
- CS 415
- CS 418
- CS 421
- CS 422
- CS 424
- CS 425
- CS 426
- CS 440
- CS 441
- CS 442
- CS 450
- CS 461
- CS 466
- CS 469
- CS 473
- CS 474
- CS 476
- CS 477
- CS 478
- CS 480
- CS 485
- CS 486
- CS 487
- CS 489
- MCS 320
- MCS 425
- MCS 471
- MCS 481
- STAT 471



SY - Computer Systems Concentration
 HC - Human Centered Computing Concentration
 SE - Software Engineering Concentration

Andy's 9/22/17 split version 1.3.5

Concentration Requirements change from CS Major

Computer Systems Option (CSO)

CS Tech Electives:

- 4 required from: CS 450, 466, 469, 473, 486, 487 & ECE 367

Human-Centered Computing (HCC)

Additional Required Math: MATH 220 - Required

Science Electives: PHYS 141 & 142 – Required

CS Tech Electives:

- 1 required: CS 422; and
- 3 required from: CS 411, 415, 421, 424, 425 & 426

Software Engineering (SE)

Additional Required Math: IE 342 - Required

CS Tech Electives:

- 2 required: CS 440, CS 442; and
- 2 required from: CS 422, CS 441, CS 474 & CS 480