Math and Science Electives
- 3 hours of Math electives
- 4 hours of Science electives

See list of approved courses in CS Program Guide.
Mathematics Electives
- MATH 2326 - Calculus III
- MATH 3303 - Mathematical Game Theory
- MATH 3304 - Linear Optimization Applications
- CSE 4345 - Computational Methods

Science Electives
- BIOL 1441 – Cell and Molecular Biology
- CHEM 1441 – General Chemistry
- CHEM 1465 – Chemistry for Engineers

Technical Electives
- CSE 4303 – Computer Graphics
  prereqs: CSE 2320 and CSE 3380 or MATH 3330
- CSE 4305 – Compliers
  prereqs: CSE 3302 and CSE 3315
- CSE 4309 – Intro to Machine Learning
  prereqs: CSE 2320, IE 3301 or MATH 3313, and CSE 3380 or MATH 3330 (Fall only)
- CSE 4310 - Intro to Computer Vision
  prereqs: CSE 2320, IE 3301 or MATH 3313, CSE 3380 or MATH 3330 (Spring only)
- CSE 4321 – Software Testing and Maintenance
  prereqs: CSE 3310
- CSE 4322 – Software Project Management
  prereqs: CSE 3320
- CSE 4323 – Quantitative Computer Architecture
  prereqs: CSE 3320
- CSE 4331 – Database Implementation and Theory
  prereqs: CSE 3330
- CSE 4334 – Datamining
  prereqs: IE 3301 or MATH 3313 and co-req: CSE 3330
- CSE 4340 - Mobile Systems Engineering
  prereqs: CSE 3320 and co-req CSE 4344
- CSE 4345 – Computational Methods
  prereqs: CSE 2320, IE 3301 or MATH 3313, and CSE 3380 or MATH 3330
- CSE 4351 – Parallel Processing
  Prereqs: CSE 3320
- CSE 4360 - Autonomous Robot Design and Programming
  prereqs: CSE 2320, CSE 3320, and CSE 3380 or MATH 3330 (Fall only)
- CSE 4361 – Software Design Patterns
  prereqs: CSE 3311 (Fall only)
- CSE 4378 – Intro to Unmanned Vehicles
  prereqs: Department consent (Fall only)
- CSE 4380 – Information Security
  prereqs: CSE 3320
- CSE 4381 – Information Security 2
  prereqs: CSE 3320 and coreq CSE 4344
- CSE 4382 – Secure Programming
  prereqs: CSE 3320
- CSE 3311 – Object-orientated Software Engineering
  prereqs: CSE 1325, CSE 2320, and CSE 3310
- CSE 3313 – Signal Processing
  prereqs: CSE 2320 and CSE 3380 or MATH 3330
- IE 3315 – Operations Research I
  prereqs: co-req MATH 2326

Language, Philosophy & Culture
- ANTHROPOLOGY (ANTH) 2322
- ARCHITECTURE (ARCH) 2300
- ART & ART HISTORY (ART) 1301
- INTRO TO CLASSICAL MYTHOLOGY (CLAS) 1300
- ENGLISH (ENGL) 2303 2309 2319 2329
- GLOBAL (GLOBAL) 2301
- INTERDISCIPLINARY STUDIES (INTS) 1310
- LINGUISTICS (LING) 2371
- MEXICAN AMERICAN STUDIES (MAS) 2300
- PHILOSOPHY (PHIL) 1304 2300
- INTRO TO POPULAR CULTURE (SOCI) 1310
- ARABIC (ARAB) 2314
- CHINESE (CHIN) 2314
- FRENCH (FREN) 2314
- GERMAN (GERM) 2314
- GREEK (GREK) 2314
- KOREAN (KORE) 2314
- LATIN (LATN) 2314
- PORTUGUESE (PORT) 2314
- RUSSIAN (RUSS) 2314
- SPANISH (SPAN) 2314

Creative Arts Electives
- ARCHITECTURE (ARCH) 1301
- ART & ART HISTORY (ART) 1301 1309 1310
- DANCE (DNCE) 1300
- MUSIC (MUSI) 1300 1302 2300 2301
- THEATER ARTS (THEA) 1342 1343