Name: _____
ID: _____

**COMPUTER SCIENCE**
DEGREE PROGRESS AUDIT
2003-2004

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| **COMPUTER SCIENCE (CSCI) – 57 hours** | | | | |
|---|---|---|---|---|
| **CSCI FOUNDATION* (All Required)** | Hours | Grade | Sem | TR |
| CSCI 1300 Computer Science 1: Programming | 4 | | | |
| CSCI 2270 Computer Science 2: Data Structures | 4 | | | |
| CSCI 3104 Algorithms | 4 | | | |
| CSCI 3155 Prin of Programming Languages | 4 | | | |
| ECEN 2120 Computers as Components | 5 | | | |
| **CSCI CORE* (Choose Five)** | Hours | Grade | Sem | TR |
| CSCI 3287 Database and Information Systems | 3 | | | |
| CSCI 3308 Software Engr Methods & Tools | 3 | | | |
| CSCI 3434 Theory of Computation | 3 | | | |
| CSCI 3656 Numerical. Computation | 3 | | | |
| CSCI 3753 Operating Systems | 4 | | | |
| CSCI 4448 Object-Oriented Analysis and Design | 3 | | | |
| CSCI 4838 User Interface Design | 3 | | | |
| ECEN 3100 Digital Logic | 5 | | | |
| **SR Projects Capstone (select one option)** | Hours | Grade | Sem | |
| CSCI 4308 Software Engr. Project 1 - SR Yr Fall | 4 | | | |
| CSCI 4308 Software Engr. Project 2 - SR Yr Spring | 4 | | | |
| **or** approved SR Thesis CSCI 4950 Fall | 4 | | | |
| **or** approved SR Thesis CSCI 4950 Spring | 4 | | | |
| ***C- or better required for CORE/FOUNDATION** | | | | |
| **Computer Science Electives (to make 57 credits)** | Hours | Grade | Sem | TR |
| CSCI 3202 Introduction to Artificial Intelligence | 3 | | | |
| CSCI 3287 Database and Information Systems | 3 | | | |
| CSCI 3308 Software Engr Methods & Tools | 3 | | | |
| CSCI 3434 Theory of Computation | 3 | | | |
| CSCI 3656 Numerical. Computation* | 3 | | | |
| CSCI 3702 Cognitive Science | 3 | | | |
| CSCI 3753 Operating Systems | 4 | | | |
| CSCI 4113 UNIX System Administration | 3 | | | |
| CSCI 4202 Artificial Intelligence | 3 | | | |
| CSCI 4229 Computer Graphics | 3 | | | |
| CSCI 4273 Network Systems | 3 | | | |
| CSCI 4446 Chaotic Dynamics | 3 | | | |
| CSCI 4448 Object-Oriented Analysis and Design | 3 | | | |

| **CSCI ELECTIVES** | | | | |
|---|---|---|---|---|
| **Continued** | Hours | Grade | Sem | TR |
| CSCI 4555 Intro to Compiler Construction | 3 | | | |
| CSCI 4576 High-Perform. Computing 1 | 4 | | | |
| CSCI 4586 High-Perform. Computing 2 | 4 | | | |
| CSCI 4593 Computer Organization | 3 | | | |
| CSCI 4753 Computer Performance Mod. | 3 | | | |
| CSCI 4830 Special Topics in Comp Sci | 3 | | | |
| CSCI 4838 User Interface Design | 3 | | | |
| ECEN 3100 Digital Logic | 5 | | | |
| Approved CSCI (3000-4000) or | | | | |
| (5000-5999) #_____ | | | | |
| | | | | |
| **MATHEMATICS - 17-18 hours** | Hours | Grade | Sem | TR |
| APPM 1350 Calculus for Engineers 1 | 4 | | | |
| APPM 1360 Calculus for Engineers 2 | 4 | | | |
| Approved Advanced Math Course | 3-4 | | | |
| # | | | | |
| **Linear Algebra (Pick One)** | Hours | Grade | Sem | TR |
| APPM 3310 Matrix Methods & Applications | 3 | | | |
| MATH 3130 Intro to Linear Algebra | 3 | | | |
| CSCI 2830 Lin Algebra w/ CS Applications | 3 | | | |
| **Probability or Statistics (pick one)** | Hours | Grade | Sem | TR |
| APPM 3570 Applied Probability | 3 | | | |
| APPM 4520 Intro to Mathematical Stats | 3 | | | |
| APPM 4570 Statistical Methods | 3 | | | |
| MATH 4510 Intro to Probability Theory | 3 | | | |
| MATH 4520 Intro to Mathematical Stats | 3 | | | |
| ECEN 3810 Intro to Probability Theory | 3 | | | |
| MCEN 4120 Engineering Statistics | 3 | | | |
| CVEN 3227 Probability, Stats & Decision | 3 | | | |
| **Thesis Option Form Check-Off** | sem 1 | sem 2 | | |
| **SR Thesis:** Course Enrollment Form | | | | |
| **SR Thesis:** 1st Sem Midterm Proposal Report | | | | |
| **SR Thesis:** Last Day Finals in 1st Semester | | | | |
| **SR Thesis:** Last Day Finals last Sem | | | | |

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| **NATURAL SCIENCES - 17 hours** | | | | |
|---|---|---|---|---|
| **Required Sequence – ( 9 hours)** | Hours | Grade | Sem | TR |
| PHYS 1110 General Physics 1 | 4 | | | |
| PHYS 1120 General Physics 2 | 4 | | | |
| PHYS 1140 Experimental Physics 1 | 1 | | | |
| Sequence Total | | | | |
| **Nat Science Electives (to bring total to 17 hrs)** | | | | |
| Course Number and Title | Hours | Grade | Sem | TR |
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| **HUMANITIES and SOCIAL SCIENCES* –** 24 hours (6 must be UD) required | | | | |
|---|---|---|---|---|
| Course Number and Title | | | | |
| **(Must take at least one of the below courses)** | Hours | Grade | Sem | TR |
| WRTG 3030 Writing on Science & Society | 3 | | | |
| WRG 3053 Tech Comm and Design | 3 | | | |
| HUEN 3100 Humanities for ENGR I | 3 | | | |
| HUEN 3200 Humanities for ENGR II | 3 | | | |
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| **HUMANITIES and SOCIAL SCIENCES* – 18 hours - Continued** | | | | |
|---|---|---|---|---|
| Course Number and Title | Hours | Grade | Sem | TR |
| | | | | |
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| **FREE ELECTIVES = to meet the 128 total credit hours required** | | | | |
|---|---|---|---|---|
| **Course Number and Title** | Hours | Grade | Sem | TR |
| | | | | |
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| **MAPS REQUIREMENTS** | |
|---|---|
| Subject: | |
| English | |
| Math | |
| Nat. Science | |
| Social Science | |
| Foreign Language | |

| **GPA ≥ 2.0** | |
|---|---|
| CSEN | |
| CUM | |
| **Total Hours** | |
| 128 hr | |
| **Residency** | |
| ≥45 hr | |

| **Additional Degrees Earned** | |
|---|---|
| Double Degree: | |
| Conncurrent Degree (CSE2): | |
| Minor (CSMR): | |

http://engineering.colorado.edu/homer/full_course_list.htm

Grades:
Cumulative GPA of 2.0 or better in all CSCI and CSCI/ECEN courses taken at CU
Cumulative GPA of 2.0 or better in all courses attempted at CU
Cumulative GPA of 2.0 or better in all CU courses used to satisfy graduation
A C- or better is required in each Computer Science Foundation course, as well as in each core course.
A grade of C- or better is needed in all prerequisite courses to take a subsequent course.
Minimum passing grade for a course that is considered a prerequisite for another required course is C-
A D- or better is good enough to fulfill a degree requirement aside from the above restrictions.