

**COLORADO STATE UNIVERSITY
MATHEMATICS MAJOR
CONCENTRATION IN MATHEMATICS OF INFORMATION**

NAME: _____ SSN: _____ ADVISER: _____ TERM OF GRAD: _____
 LOCAL ADDRESS: _____ ZIP: _____ PH: _____ E-Mail: _____

| CORE COURSES (32-38 credits) CC = Core Curriculum | MATHEMATICAL SCIENCES (76 credits) (Grade of C or higher required in all Mathematics, Computer Science, Statistics, EE courses in this column). | ADDITIONAL COURSES (9-12 credits) |
|---|---|---|
| FRESHMAN SEMINAR 2 | MATHEMATICS 34 | UNRESTRICTED ELECTIVES 9-12 |
| _____ M 192 First-Year Seminar in Mathematical Science [1] | _____ M CC 160 Calc for Physical Scientists I [4] | _____ [_____] [_____] |
| _____ ST 192 First-Year Seminar in Mathematical Science [1] | _____ M CC 161 Calc for Physical Scientists II [4] | _____ [_____] [_____] |
| COMMUNICATION 6-8 | _____ M 229 Matrices and Linear Equations [2] | _____ [_____] [_____] |
| _____ COCC 150 College Composition [3] | _____ M 261 Calc for Physical Scientists III [4] | _____ [_____] [_____] |
| Select one course from CC 2-A | _____ M 317 Advanced Calc. Of One Variable [4] | _____ [_____] [_____] |
| _____ [3-5] | _____ M 345 Differential Equations [4] | _____ [_____] [_____] |
| BIOLOGICAL/PHYSICAL SCIENCES 7 | _____ M 301 Intro to Combinatorial Theory [3] | _____ [_____] [_____] |
| Select two courses from CC Category 3-A. One must include a lab. Must include two different prefixes. | _____ M 360 Mathematics of Information Security [3] | _____ [_____] [_____] |
| _____ [4] | _____ M 369 Linear Algebra [3] | _____ [_____] [_____] |
| _____ [3] | _____ M 460 Information and Coding Theory (Capstone) [3] | _____ [_____] [_____] |
| ARTS/HUMANITIES 3 | COMPUTER SCIENCE 8 | GRADUATION REQUIREMENTS |
| Select one course from CC 3-B | _____ CSCC 153 Java Programming [4] | Total credits..... [_____] (at least 120 credits) |
| _____ [3] | _____ CS 200 Algorithms and Data Structure [4] | Upper-Division credits..... [_____] (at least 42 credits) |
| SOCIAL/BEHAVIORAL SCIENCES 3 | STATISTICS 9 | CSU Grade Point Average..... [_____] (at least 2.0) |
| Select one course from CC 3-C | _____ STCC 309 Statistics for Engr & Sci [3] | M CC 117, M CC 118, M CC 120, M CC 121, M CC 124, M CC 125 and M CC126 are considered by the Department of Mathematics to be review courses. Credits in these courses may not be used as part of a degree in math. |
| _____ [3] | _____ ST 304 Multiple Regressive Analysis [3] | Transfer students must complete a minimum of 9 upper-division credits in mathematics at CSU, excluding M 315, M 340, and mathematics courses ending in -80 to -99. |
| HISTORICAL PERSPECTIVES 3 | _____ ST 321 Elementary Probability Models [3] | See the Colorado State University General Catalog for a complete statement of graduation requirements. Visit the Math Department web site for information on updated courses and requirements: www.math.colostate.edu |
| Select one course from CC 3-D | ELECTRICAL ENGINEERING 13 | |
| _____ [3] | _____ EE 102 Digital Circuit Logic [3] | |
| GLOBAL/CULTURAL AWARENESS 3 | _____ EE 251 Intro to Microprocessors [4] | |
| Select one course from CC 3-E | _____ EE 311 Linear System Analysis I [3] | |
| _____ [3] | _____ EE 421 Telecommunications I [3] | |
| U.S. PUBLIC VALUES/INSTITUTIONS* 3 | EE - MATH SCIENCE ELECTIVES 12 | |
| Select one course from CC 3-F | Select 12 credits from (a) and (b) below. Must include at least 6 credits from (a). | |
| _____ [3] | a) Upper-division mathematics except courses ending in -80 to -99 and M 315. | |
| HEALTH AND WELLNESS 2-3 | b) Upper-division Computer Science, Electrical Engineering, Mathematics, or Statistics except courses ending in -80 to -99. | |
| Select one course from CC 3-G | _____ [_____] [_____] | |
| _____ [3] | _____ [_____] [_____] | |
| *Several Public Value courses may be double counted in one other area. | _____ [_____] [_____] | |
| MINOR, SECOND MAJOR | MINOR: _____ | |
| _____ [_____] | SECOND MAJOR: _____ | |
| | The program of study shown is subject to approval by the | |

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