## Major in: Computer Science/Mathematics

Student Name:
Student ID:

| Major 106-107 hours, 36 UD | Hrs | Has | Lacks |
| :---: | :---: | :---: | :---: |
| MTH 251 Calculus I | 5 |  |  |
| MTH 252 Calculus II | 5 |  |  |
| MTH 253 Calculus III Sequences and Series | 3 |  |  |
| MTH 254 Multivariate Calculus | 5 |  |  |
| MTH 280 Introduction to Proof * | 4 |  |  |
| MTH 341 Linear Algebra I | 4 |  |  |
| MTH 344 Group Theory | 4 |  |  |
| MTH 355 Discrete Mathematics | 4 |  |  |
| MTH 365 Mathematical Probability | 4 |  |  |
| MTH 366 Mathematical Statistics | 4 |  |  |
| Choose three electives: | 11-12 |  |  |
| MTH 311 Advanced Calculus I |  |  |  |
| MTH 314 Differential Equations I |  |  |  |
| MTH 345 Ring Theory |  |  |  |
| MTH 346 Number Theory |  |  |  |
| MTH 351 Introduction to Numerical Analysis |  |  |  |
| MTH 358 Mathematics Modeling |  |  |  |
| MTH 420 Special Topics: Applied Mathematics |  |  |  |
| MTH 441 Linear Algebra II |  |  |  |
| MTH 451 Numerical Analysis |  |  |  |
| MTH 460 Special Topic: Probability \& Statistics |  |  |  |
|  |  |  |  |
| CS 160 Survey of Computer Science | 3 |  |  |
| CS 161 Computer Science I | 5 |  |  |
| CS 162 Computer Science II | 5 |  |  |
| CS 260 Data Structures I | 3 |  |  |
| CS 262 Programming Language | 2 |  |  |
| CS 271 Computer Organization | 4 |  |  |
| CS 311 Data Structures II | 3 |  |  |
| CS 315 Theory of Programming Languages | 3 |  |  |
| CS 345 Theory of Computation I | 3 |  |  |
| CS 372 Operating Systems | 3 |  |  |
| CS 420 Database Management | 3 |  |  |
| CS 425 Systems Analysis and Design | 3 |  |  |
| CS 430 Software Implementation | 3 |  |  |
| CS 406 Senior Seminar | 1 |  |  |
|  |  |  |  |
| Choose nine hours from one sequence: | 9 |  |  |
| A) Computational Theory |  |  |  |
| CS 440 Analysis of Algorithms |  |  |  |
| CS 445 Theory of Computation |  |  |  |
| CS 447 Compiler Design |  |  |  |
| CS 449 Topics in Computational Theory |  |  |  |
|  |  |  |  |
| B) System Management |  |  |  |
| CS 450 Network Fundamentals |  |  |  |
| CS 451 Management of Info Sys |  |  |  |
| CS 452 Internet Communications |  |  |  |
| CS 453 Data Mining/Data Ware |  |  |  |
| CS 459 Topics in Sys Management |  |  |  |

Advisor Signature:

## Student Signature:

Date:


