5-12 Mathematics Major – 143
Advising Checklist

Name___________________________________

Education Core: I    Iowa General Education:

_____ 205 Educational Foundations _____ Mathematics
_____ 215 Practicum in Education _____ Natural Science
_____ 257 Exceptional Learner _____ Social Science
_____ 387 Human Relations _____ Humanities
_____ 235 Educational Psychology
_____ 475 Methods of Sec. Math

Requirements for the Major:

_____ CS 125 Computer Science I
_____ MTH 135 Calculus I
_____ MTH 145 Calculus II
_____ MTH 215 Foundations of Advanced Mathematics
_____ MTH 255 Calculus III
_____ MTH 265 Linear Algebra
_____ MTH 385 Modern Algebra

One of the following:

_____ MTH 415 Real Analysis I
_____ MTH 445 Complex Analysis

Three of the following:

_____ STA 315 Probability/Statistics I
_____ STA 325 Probability/Statistics II
_____ MTH 305 Advanced Geometry
_____ MTH 325 Differential Equations
_____ MTH 395 Modern Algebra II
_____ MTH 415 Real Analysis I (if not used to satisfy 8)
_____ MTH 425 Real Analysis II
_____ MTH 445 Complex Analysis (if not used to satisfy 8)
_____ MTH 455 Mathematical Modeling
_____ MTH 505 Set Theory/Topology
_____ MTH 705 Special Topics
_____ MTH 8_5 Independent Study

August 31, 2007