

DEPARTMENT OF MATHEMATICS

Major Advisement Form

Degree Program: **Bachelor of Science in Mathematics**

Catalog: 2007-2008 (Revised on October 17, 2007)

REQUIRED COURSES (70 credits in mathematics, plus 19-20 credits in other courses)

<u>Course Number</u>	<u>Prerequisite</u>
Math 124 or Math 134	Suitable score on the Advanced Math Placement test or C- or above in M115 or 118
Math 125 or Math 135	Math 124 or Math 134
Math 204*	Math 125 or Math 128 or Math 135; Math 224 recommended
Math 224	Math 125 or Math 128 or Math 135
Math 225	Math 224
Math 226	Math 125 or Math 128 or Math 135
Math 304	Math 204
Math 209 or 302	Math 124 or Math 128 or Math 134; for Math 302, Math 125 or Math 128 or Math 135
Math 312	Math 226 and either Math 209 or Math 302
CSCI 140 or CSCI 141 or Math 207	Math 112 or equivalent Basic computer literacy (CSCI 101 or equivalent); Math 125 or Math 134 and Math 204

No fewer than 31 approved credits in mathematics or math-computer sciences, including at least two of the following sequences; Math 331-432, 341-342, 401-402, 421-422, 441- 442, M/CS 335-435, 375-475; and to include at least 19 credits from 400-level courses in mathematics or math/computer science, except Math 483. At most one of Math 419 and Math 420.

<u>Course Number</u>	<u>Prerequisite</u>
Math 331*-432	Math 224; Math 204 concurrent; Math 331 is a prerequisite for Math 432
Math 341-342	Math 125 or Math 128 or Math 135; Math 341 is a prerequisite for Math 342
Math 401-402	Math 204 and either Math 209 or 302; Math 401 is a prerequisite for 402
Math 419	12 credits of upper division math.
Math 420	Math 312
Math 421-422	Math 312; Math 421 is a prerequisite for Math 422
Math 441-442	Math 224 and Math 204; Math 441 prerequisite to Math 442
Math 438	Math 225 and Math 226
M/CS 335	Math 204 and CSCI 140, 141 or Math 207
M/CS 435	Math 204, Math 224 and CSCI 141 or Math 207
M/CS 375	Math 204 and CSCI 140, 141 or Math 207
M/CS 475	Math 224 and M/CS 375

One of the following sequences:

Physics 121, 122, 123, 131, 132, 133	(15 credits)
Chem. 121, 122, 123 or Chem. 125, 126, 225	(14 credits)
Econ. 206, 207, 306, and one of 375, 470 or 475	(16 credits)
CSCI 141, 145, 211, 241, 401	(16 credits) Students who choose this sequence should take CSCI 141

Language competency in French, German, or Russian is strongly advised for students who may go to graduate school.

Actuarial students should complete Math 341, 342, 441, 442, M/CS 335, 435, and M/CS 375, and 475

*Math 203 and 303 combined can replace Math 204 and 331. Refer to the Catalog for descriptions of these courses.