

DEPARTMENT of MATHEMATICS

Degree Program: Bachelor of Science in Mathematics

Catalog: 2009-2010 (Revised on May, 2009)

Required Courses (70 credits in Mathematics, plus 17-20 credits in supporting courses)

- | <u>Course Number</u> | <u>Prerequisite</u> |
|---|--|
| ○ MATH 124 or 134 | Suitable score on the Advanced Math Placement test or at least C- in MATH 115 or 118 |
| ○ MATH 125 or 135
or MATH 138 | MATH 124 or 134
Permission of instructor |
| ○ MATH 204 | MATH 125 or 135 or 138; 224 recommended |
| ○ MATH 224 | MATH 125 or 135 or 138 |
| ○ MATH 225 | MATH 224 |
| ○ MATH 226 | MATH 125 or 135 or 138 |
| ○ MATH 304 | MATH 204, 224 |
| ○ MATH 209 or 302 | MATH 209: MATH 124 or 134 or 138. MATH 302: MATH 125 or 135 or 138. |
| ○ MATH 312 | MATH 226; one of 209, 302 |
| ○ One of the following computer science or math courses:
CSCI 139, 140, 141 MATH 112
MATH 207 Basic computer literacy (CSCI 101 or equivalent); MATH 125 or 135 or 138; 204
Note: If the supporting sequence from CSCI below is chosen, this requirement is fulfilled. | |
| ○ No fewer than 31 approved credits in Mathematics or M/CS, including at least two of the following pairs:
MATH 303 or 331 together with one of: MATH 415, 430, 431, 432
Note: Only one of the pairs in the above group can be used. | |
| MATH 341-342 | MATH 341: MATH 125 or 135 or 138. MATH 342: MATH 341. |
| MATH 401-402 | MATH 401: MATH 204; one of MATH 209, 302. MATH 402: MATH 401. |
| MATH 421-422 | MATH 421: MATH 312. MATH 422: MATH 421. |
| MATH 441-442 | MATH 441: MATH 224, 204, 312. MATH 442: MATH 441. |
| M/CS 335, 435 | MATH 204; one of CSCI 140, 141, MATH 207. M/CS 435: add MATH 224. |
| M/CS 375, 475 | MATH 204; one of CSCI 140, 141, MATH 207. M/CS 475: MATH 224, M/CS 375. |
| ○ At least 19 credits from 400-level courses in mathematics or M/CS except MATH 483, and including at most one of MATH 419 or 420. | |
| MATH 419 | 12 credits of upper division math. |
| MATH 420 | MATH 312 |
| ○ One of the following sequences:
PHYS 121, 122, 123
CHEM 121, 122, 123; or 125, 126, 225
ECON 206, 207, 306, and one of 375, 470 or 475
CSCI 141, 145, 211, 241, 401 | |

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

Actuarial students should complete MATH 441, 442, M/CS 335, 435, 375, 475