

DEPARTMENT OF MATHEMATICS

Degree Program: Bachelor of Arts in Mathematics

Catalog: 2010-2011 (Revised April 13, 2010)

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

- | <u>Course Number</u> | <u>Prerequisite</u> |
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| ○ MATH 124 or 134 | Suitable score on the Advanced Math Placement test or at least C- or in MATH 115 or 118 |
| ○ MATH 125 or 135 | MATH 124 or 134 |
| Note: MATH 138 can substitute for the 124/134 and 125/135 set | |
| ○ MATH 204 | MATH 125 or 135 or 138; 224 recommended |
| ○ MATH 224 | MATH 125 or 135 or 138 |
| ○ MATH 226 | MATH 125 or 135 or 138 |
| ○ MATH 331 | MATH 204; 224 recommended or concurrent |
| ○ MATH 341 or 441 | MATH 341: MATH 125 or 135 or 138. MATH 441: MATH 224, 204, 312. |
| ○ MATH 419
or MATH 420 | 12 credits of upper division math courses
MATH 312 |
| Note: The pair MATH 203, 303 may be substituted for the pair MATH 204, 331. | |
| ○ 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. | |
| ○ At least three courses from: | |
| MATH 209 | MATH 124 or 134 or 138 |
| MATH 302 | MATH 125 or 135 or 138 |
| MATH 304 | MATH 204, 224 |
| MATH 312 | MATH 226, one of 209, 302 |
| MATH 360 | MATH 125 or 135 or 138; 204; one of 209, 302 |
| ○ At least two courses from: | |
| MATH 410 | MATH 204, 224, 331 (See note above re: 204/331) |
| M/CS 335, 435 | M/CS 335: MATH 204, CSCI 140 or 141 or MATH 207
M/CS 435: MATH 204, 224; one of CSCI 140, 141, MATH 207 |
| M/CS 375, 475 | M/CS 375: MATH 204; one of CSCI 140, 141, MATH 207
M/CS 475: M/CS 375, MATH 224 |
| ○ Not fewer than 16 additional approved credits in Math or M/CS, including completion of 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 from the above group can be used | |
| MATH 341-342 | MATH 341: MATH 125 or 135. MATH 342: MATH 341. |
| MATH 401-402 | MATH 401: MATH 204; one of 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 | See listing above |
| M/CS 375-475 | See listing above |
| ○ One of the following sequences: | |
| PHYS 121, 122, 123 | |
| CHEM 121, 122, 123 or 125, 126, 225 | |
| ECON 206, 207, 306; one of 375, 470, 475 | |
| CSCI 141, 145, 211, 241, 401 | |