

DEPARTMENT OF MATHEMATICS

Major Advisement Form

Degree Program: **Bachelor of Arts 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> |
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| 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 128 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 226 | Math 125 or Math 128, or Math 135 |
| Math 331* | Math 204; co-requisite: Math 224 recommended |
| Math 341 or 441 | For Math 341: Math 125, Math 128 or Math 135; for Math 441: Math 224 and Math 204 |
| Math 419 or 420 | 12 credits of upper division Math courses. Math 312 |
| CSCI 140 or 141 or Math 207 | Math 112 (formerly Math 102) or equivalent Basic computer literacy (CSCI 101 or equivalent); Math 125 or Math 135 and Math 204 |

At least three courses from Math 209, Math 302, Math 304, Math 312 or Math 360

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| Math 209 | Math 124 or Math 128 or Math 134 |
| Math 302 | Math 125 or Math 128 or Math 135 |
| Math 304 | Math 204 |
| Math 312 | Math 226 and either Math 209 or Math 302 |
| Math 360 | Math 125 or Math 128 or Math 135, Math 204 and either Math 209 or Math 302 |

At least two courses from Math 410, Math/CS 335, Math/CS 375, Math/CS 435, and Math/CS 475

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| Math 410 | *Math 204, Math 224 and Math 331 |
| Math/CS 335, 435 | For M/CS 335: Math 204, CSCI 140 or 141 or Math 207; For Math 435: Math 204, 224 and CSCI 140 or 141 or Math 207 |
| Math/CS 375/475 | M/CS 375: Math 204, CSCI 141 or Math 207; For M/CS 475: M/CS 375 & Math 224 |

Not fewer than 16 additional approved credits in math or math-computer science, including completion of at least two of the following sequences:

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| Math 331-432 | For Math 432: Math 331 |
| Math 341-342 | For Math 342: Math 341 |
| Math 401-402 | For Math 401: Math 204 and either Math 209 or Math 302; for Math 402: Math 401 |
| Math 441-442 | For Math 441: Math 224 and Math 204; for Math 442: Math 441 |
| Math/CS 335-435 | See listing above |
| Math/CS 375-475 | See listing above |

One of the following sequences:

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| 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) |

*NOTE: The sequence Math 203 and 303 may be substituted for Math 204 and 331.