

DEPARTMENTS of BIOLOGY and MATHEMATICS

Degree Program: Bachelor of Science (Combined major: Biology/Mathematics)

Catalog: 2009-2010 (Revised on April 22, 2009)

Required Courses (104-105 credits)

| <u>Course Number</u> | <u>Prerequisites</u> |
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| BIO 204 | CHEM 121 or 125, or concurrent |
| BIO 205 | BIO 204, CHEM 121 or 125; CHEM 122 or 126, or concurrent |
| BIO 206 | BIO 205, CHEM 122 or 126; CHEM 123 or 225, or concurrent |
| BIO 321 | BIO 204, 205, 206 |
| BIO 323 | BIO 204, 205, 206; CHEM. 351; CHEM 251 or 352 |
| BIO 325 | BIO 204, 205, 206 |
| BIO 432 | BIO 321 |

Note: Must apply to Biology Dept. for Phase 2 status (having taken BIO 204, 205, 206; CHEM 121, 122, 123 with combined 2.9 GPA) before admission into 300 and 400 level biology courses.

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| MATH 124 or 134 | Suitable score on the Advanced Math Placement Test or at least a C- in MATH 115 or 118 |
| MATH 125 or 135 | MATH 124 or 134 |
| or MATH 138 | Permission of instructor |
| MATH 204 | MATH 125 or 135 or 138; 224 recommended |
| MATH 224 | MATH 125 or 135 or 138 |
| MATH 331 | MATH 204, 224 recommended or concurrent |
| MATH 341 | MATH 125 or 135 or 138 |
| MATH 342 | MATH 341 |
| MATH 432 | MATH 204, 331 |

Note: The pair MATH 203, 303 may be substituted for the pair MATH 204, 331.

One of the following computer science or math courses:

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| CSCI 139, 140, 141 | MATH 112 |
| MATH 207 | Basic computer literacy (CSCI 101 or equivalent); MATH 125 or 135 or 138; 204 |
| CHEM 121, 122, 123 | MATH 114 or Math Placement Test score acceptable for MATH 118 or higher |
| or | |
| CHEM 125, 126, 225 | One year high school chemistry or equivalent, MATH 114 or Math Placement Test score acceptable for MATH 118 or higher, permission of instructor |
| CHEM 251 | CHEM 121 or 125 |
| PHYS 121 | MATH 124 or 134 or 138 |
| PHYS 122 | PHYS 121 |

Additional 12 credits of approved electives from math, M/CS or computer science.

Faculty Advisers: Dr. M. Peterson in biology and Dr. Tilmann Glimm in mathematics