

Program & Curriculum Approval

Executive Summary

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Program Title: **Biology B.A.**

Approval Status: Proposal Not Submitted

Program Last Saved: Sep 5, 2008 11:00:05 AM

By: Carol Ford

NOTE: The sample plan below may not include all possible course options. Check the program requirements for additional courses that can work with your four-year plan.

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General Information

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Campus:	University of Minnesota, Morris	<no change>
Career:	Undergraduate	<no change>
Program type:	Baccalaureate	<no change>
Program title (short):	Biology B.A.	<no change>
Program title (long):	Biology B.A.	<no change>
Program short description:	Biol	<no change>
Additional terms:	<ul style="list-style-type: none"> · This program is 8 semesters (4 years) long. · This program does not need any summer terms. 	<no change>
Stakeholder college(s):	· UMM-Science & Math, Div of	<no change>
Degree-granting college(s):	· UMM-Science & Math, Div of	<no change>
Approver college(s):	· UMM-Science & Math, Div of	<no change>
Administrative college(s):	· UMM-Science & Math, Div of	<no change>
Budgetary college(s):	· 'UMM-Science & Math, Div of'=100	<no change>
Acad plan code(s):	· 'UMM-Science & Math, Div of'=013220227	<no change>
Department(s):	· Division of Science & Mathematics - Adm	<no change>
First term admitting students:	Fall 1960	<no change>
Effective date:	Fall 2007	Fall 2009
Degree:	Bachelor of Arts	<no change>
Catalog description:	The biology curriculum is designed to provide students with biological knowledge and to develop scientific skills as part of their liberal arts education. Included in those skills are the abilities to conduct and interpret scientific research and to successfully communicate scientific information both verbally and in writing. The faculty believe these objectives can best be attained through a balanced core curriculum in biology and a diverse array of elective coursework, both of which include active lab and field experiences. The biology	<no change>

major prepares students for graduate or professional programs and for careers such as secondary biology education, government service, or private sector employment. The biology discipline also offers a variety of 10XX courses that are designed specifically for students seeking to fulfill general education requirements in science.

RIASEC codes:		<no change>
Field of study:	Math, Engineering, and Science	<no change>
Program contact(s):	U of M internet ID: fordcj	<no change>
	Name: Carol Ford	
	E-mail address: fordcj@umn.edu	
	Telephone number: 320/589-6300	
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	UMM Div of Science and Math, RM 2550 Sci, M242A, 600 E 4th St, Morris, MN 56267	

Narrative Materials

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Brief summary or overview of reason for proposed new program or rationale for changes:	Submitting update to remove additional sample plans that are incorrectly displaying on the online catalog.	Biology and chemistry disciplines decided that while many students will need to take OChemII as a requirement for post-graduate plans, it need not be required of all biology majors. The content of OChemI introduces our majors to the concepts of how organic molecules interact.
Mission, priorities and interrelatedness:	This program predates PCAS development so no information is available for this field.	<no change>
Need and demand:	This program predates PCAS development so no information is available for this field.	<no change>
Comparative advantage:	This program predates PCAS development so no information is available for this field.	<no change>
Efficiency, effectiveness, and use of resources:	This program predates PCAS development so no information is available for this field.	<no change>
Program quality and assessment:	This program predates PCAS development so no information is available for this field.	<no change>
Program development:	This program predates PCAS development so no information is available for this field.	<no change>

Admission Requirements

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Preferred freshman writing course(s):		<no change>
Minimum courses or credits to be completed before admission:	No Courses or Credits	<no change>
Indicate students that are usually admitted to pre-major status before admission to this major:	No students	<no change>

Preferred minimum G.P.A. for college-admitted students seeking entry to the major: No G.P.A. Requirement above 2.0. <no change>

Preferred minimum G.P.A. for college-admitted students from another U of M college (I.U.T.s): No G.P.A. Requirement above 2.0. <no change>

Preferred minimum G.P.A. for college-admitted students transferring from outside the University: No G.P.A. Requirement above 2.0. <no change>

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Program Requirements

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Program length in credits: 120 credits <no change>

Major length in credits: 62 to 63 credits 60 to 61 credits

Number of semesters of a second language that are required: 2 <no change>

Specific language(s) required: Any Second Language <no change>

Other requirements: Courses may not be taken S-N unless offered S-N only. Up to 5 credits of coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of A or B in the major. A minimum GPA of 2.00 is required in the major in order to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced. <no change>

Biology majors are advised to complete their chemistry and mathematics requirements as early as possible. All majors should have their programs approved by a biology adviser by the beginning of their junior year.

Required course(s):	<p>Required Courses BIOL 1111 - Fundamentals of Genetics, Evolution, and Development, SCI (3.0 cr) BIOL 2101 - Evolution of Biodiversity, SCI-L (4.0 cr) BIOL 2111 - Cell Biology, SCI-L (4.0 cr) BIOL 3121 - Molecular Biology, SCI-L (5.0 cr) BIOL 3131 - Ecology, SCI-L (4.0 cr) BIOL 3700 - Biological Communication I (1.0 cr) BIOL 3701 - Biological Communication II (1.0 cr) BIOL 4901 - Senior Seminar (1.0 cr) CHEM 1101 - General Chemistry I, SCI-L (4.0</p>	<p>Required Courses BIOL 1111 - Fundamentals of Genetics, Evolution, and Development, SCI (3.0 cr) BIOL 2101 - Evolution of Biodiversity, SCI-L (4.0 cr) BIOL 2111 - Cell Biology, SCI-L (4.0 cr) BIOL 3121 - Molecular Biology, SCI-L (5.0 cr) BIOL 3131 - Ecology, SCI-L (4.0 cr) BIOL 3700 - Biological Communication I (1.0 cr) BIOL 3701 - Biological Communication II (1.0 cr) BIOL 4901 - Senior Seminar (1.0 cr) CHEM 1101 - General Chemistry I, SCI-L (4.0</p>
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cr)
[CHEM 1102](#) - General Chemistry II, SCI-L (4.0 cr)
[CHEM 2301](#) - Organic Chemistry I, SCI (4.0 cr)
[CHEM 2302](#) - Organic Chemistry II, SCI (4.0 cr)
[CHEM 2311](#) - Organic Chemistry Lab I (1.0 cr)
[MATH 1021](#) - Survey of Calculus, M/SR (4.0 cr)
 or [MATH 1101](#) - Calculus I, M/SR (5.0 cr)
[STAT 1601](#) - Introduction to Statistics, M/SR (4.0 cr)
 or [STAT 2601](#) - Statistical Methods, M/SR (4.0 cr)

Elective Courses

Take 16 or more credit(s) from the following:

• Organismal Electives

Take 1 or more course(s) from the following:

- [BIOL 4111](#) - Microbiology, SCI-L (4.0 cr)
- [BIOL 4121](#) - Herpetology, SCI-L (4.0 cr)
- [BIOL 4131](#) - Vertebrate Natural History, SCI-L (4.0 cr)
- [BIOL 4151](#) - Entomology, SCI-L (4.0 cr)
- [BIOL 4161](#) - Evolution, SCI (4.0 cr)
- [BIOL 4171](#) - Plant Systematics and Evolution, SCI-L (4.0 cr)
- [BIOL 4301](#) - Plant Biology, SCI-L (4.0 cr)

• Non-Organismal Electives

Take 0 or more course(s) from the following:

- [BIOL 4003](#) - Neurobiology, SCI-L (4.0 cr)
 - [BIOL 4102](#) - Human Physiology, SCI (4.0 cr)
 - [BIOL 4181](#) - Developmental Biology, SCI-L (4.0 cr)
 - [BIOL 4191](#) - Freshwater Biology, SCI-L (4.0 cr)
 - [BIOL 4211](#) - Biochemistry, SCI (4.0 cr)
 - [BIOL 4312](#) - Genetics, SCI-L (4.0 cr)
 - [BIOL 4321](#) - Animal Physiology, SCI-L (4.0 cr)
 - [BIOL 4331](#) - Global Change Ecology, SCI (4.0 cr)
 - [BIOL 4351](#) - Conservation Biology, SCI-L (4.0 cr)
- #### • Other Electives
- Take 0 - 1 course(s) from the following:
- [PSY 3211](#) - Biological Psychology, SCI-L (5.0 cr)
 - [PSY 3201](#) - Comparative Psychology, SCI-L (4.0 cr)
 - [GEOL 3111](#) - Introduction to Invertebrate Paleontology, SCI-L (4.0 cr)

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cr)
[CHEM 1102](#) - General Chemistry II, SCI-L (4.0 cr)
[CHEM 2301](#) - Organic Chemistry I, SCI (4.0 cr)
[CHEM 2311](#) - Organic Chemistry Lab I (1.0 cr)
[MATH 1021](#) - Survey of Calculus, M/SR (4.0 cr)
 or [MATH 1101](#) - Calculus I, M/SR (5.0 cr)
[STAT 1601](#) - Introduction to Statistics, M/SR (4.0 cr)
 or [STAT 2601](#) - Statistical Methods, M/SR (4.0 cr)

Elective Courses

Take 16 or more credit(s) from the following:

• Organismal Electives

Take 1 or more course(s) from the following:

- [BIOL 4111](#) - Microbiology, SCI-L (4.0 cr)
- [BIOL 4121](#) - Herpetology, SCI-L (4.0 cr)
- [BIOL 4131](#) - Vertebrate Natural History, SCI-L (4.0 cr)
- [BIOL 4151](#) - Entomology, SCI-L (4.0 cr)
- [BIOL 4161](#) - Evolution, SCI (4.0 cr)
- [BIOL 4172](#) {Approval Pending}
- [BIOL 4301](#) - Plant Biology, SCI-L (4.0 cr)

• Non-Organismal Electives

Take 0 or more course(s) from the following:

- [BIOL 4003](#) - Neurobiology, SCI-L (4.0 cr)
 - [BIOL 4004](#) {Approval Pending}
 - [BIOL 4181](#) - Developmental Biology, SCI-L (4.0 cr)
 - [BIOL 4191](#) - Freshwater Biology, SCI-L (4.0 cr)
 - [BIOL 4211](#) - Biochemistry, SCI (4.0 cr)
 - [BIOL 4311](#) {Inactive}
 - [BIOL 4312](#) - Genetics, SCI-L (4.0 cr)
 - [BIOL 4321](#) - Animal Physiology, SCI-L (4.0 cr)
 - [BIOL 4331](#) - Global Change Ecology, SCI (4.0 cr)
 - [BIOL 4351](#) - Conservation Biology, SCI-L (4.0 cr)
 - [BIOL 4611](#) - Biochemistry Lab (1.0 cr)
- #### • Other Electives
- Take 0 - 1 course(s) from the following:
- [PSY 3211](#) - Biological Psychology, SCI-L (5.0 cr)
 - [PSY 3201](#) - Comparative Psychology, SCI-L (4.0 cr)
 - [GEOL 3111](#) - Introduction to Invertebrate Paleontology, SCI-L (4.0 cr)

Sub-plans

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Sub-plan requirement for this program:

No

<no change>

Sub-plan(s):

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