

9-25-2006

Physics B.A. Program and Curriculum Approval 09/25/2006

Curriculum Committee

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Program & Curriculum Approval

Executive Summary

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Program Title: Physics B.A.
Approval Status: Proposal Not Submitted

Program Last Saved: Sep 25, 2006 8:35:08 AM

By: Jeri Mullin

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General Information

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Narrative Materials

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Program Requirements

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Program length in credits:	120 credits	<no change>
Major length in credits:	58 credits	<no change>
Number of semesters of a second language that are required:	2	0
Specific language(s) required:	Any Second Language	No Second Language
Other requirements:	Required courses may not be taken S-N. The GPA in these courses must be at least 2.50.	Courses may not be taken S-N. The GPA in these courses must be at least 2.00. Courses with a grade lower than C- may not be used to meet the major requirements.
Required course(s):	Major Requirements MATH 1101 - Calculus I, M/SR (5.0 cr) MATH 1102 - Calculus II, M/SR (5.0 cr) MATH 2101 - Calculus III, M/SR (4.0 cr) MATH 2401 - Differential Equations, M/SR (4.0 cr) PHYS 1101 - General Physics I, SCI-L (5.0 cr) PHYS 1102 - General Physics II, SCI-L (5.0 cr) PHYS 2101 - Modern Physics, SCI-L (5.0 cr) PHYS 2201 - Circuits and Electronic Devices, SCI-L (4.0 cr) PHYS 3101 - Classical Mechanics, SCI (4.0 cr) PHYS 3401 - Experimental Physics, SCI-L (4.0 cr) PHYS 4101 - Electromagnetism, SCI (4.0 cr) PHYS 4201 - Quantum Mechanics, SCI (4.0 cr) PHYS 4901 - Senior Thesis (1.0 cr)	Required Courses PHYS 1101 - General Physics I, SCI-L (5.0 cr) PHYS 1102 - General Physics II, SCI-L (5.0 cr) PHYS 2101 - Modern Physics, SCI-L (5.0 cr) PHYS 3101 - Classical Mechanics, SCI (4.0 cr) PHYS 4101 - Electromagnetism, SCI (4.0 cr) PHYS 4201 - Quantum Mechanics, SCI (4.0 cr) PHYS 4901 - Senior Thesis (1.0 cr) MATH 1101 - Calculus I, M/SR (5.0 cr) MATH 1102 - Calculus II, M/SR (5.0 cr) MATH 2101 - Calculus III, M/SR (4.0 cr) MATH 2401 - Differential Equations, M/SR (4.0 cr)

Elective Courses

Take 4 or more credit(s) from the following:

- [PHYS 3001](#) - Astrophysics, SCI (4.0 cr)
- [PHYS 3002](#) - Biological and Medical Physics, SCI (4.0 cr)
- [PHYS 3003](#) - Computer Modeling of Materials, SCI (4.0 cr)
- [PHYS 3201](#) - Mathematical Methods in Physics, SCI (4.0 cr)
- [PHYS 3301](#) - Optics, SCI-L (4.0 cr)
- [PHYS 3501](#) - Statistical Physics, SCI (4.0 cr)
- [PHYS 3993](#) - Directed Study (1.0-5.0 cr)
- [PHYS 4993](#) - Directed Study (1.0-5.0 cr)

Elective Courses

Take exactly 3 course(s) totaling exactly 12 credit(s) from the following:

- [PHYS 2201](#) - Circuits and Electronic Devices, SCI-L (4.0 cr)
- [PHYS 3001](#) - Astrophysics, SCI (4.0 cr)
- [PHYS 3002](#) - Biological and Medical Physics, SCI (4.0 cr)
- [PHYS 3003](#) - Computer Modeling of Materials, SCI (4.0 cr)
- [PHYS 3201](#) - Mathematical Methods in Physics, SCI (4.0 cr)
- [PHYS 3301](#) - Optics, SCI-L (4.0 cr)
- [PHYS 3401](#) - Experimental Physics, SCI-L (4.0 cr)
- [PHYS 3501](#) - Statistical Physics, SCI (4.0 cr)
- [PHYS 3993](#) - Directed Study (1.0-5.0 cr)
- [PHYS 4993](#) - Directed Study (1.0-5.0 cr)

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Sub-plans

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