

HAMLIN UNIVERSITY School of Education

Undergraduate License Review Form

MN Licensure Requirements: **Physics (9-12)**

BA in Physics

(updated 2/20/12)

Date of first review: _____

Subsequent reviews: _____

Student Name: _____ Hamline ID#: _____

Phone: _____ E-mail: _____ Education GPA: _____

Year: _____ Major: _____ Major GPA: _____

MTLE: Basic Skills Assessment Y / N Date Taken: _____ Date Passed: _____

MTLE: Pedagogy Y / N Date Taken: _____ Date Passed: _____

MTLE: Subject Content Knowledge Test Y / N Date Taken: _____ Date Passed: _____

Required Coursework

Education Courses

	<u>Credits</u>	<u>Fulfilled</u>	<u>Course/Institution When Completed/Grade</u>
EDU 3150 Schools and Society	4	Y / N	_____
EDU 3250 Educational Psychology	4	Y / N	_____
EDU 5620 Education and Cultural Diversity	4	Y / N	_____
EDU 5640 Families, Schools and Communities	2	Y / N	_____
EDU 5690 Theory to Practice 5-8	2	Y / N	_____
EDU 5710 Teaching Literacy in the Middle and High Schools	4	Y / N	_____
EDU 5720 Exceptionality	2	Y / N	_____
EDU 5740 Teaching Science in the Middle and High Schools	4	Y / N	_____
EDU 5780 Teaching in Secondary Schools	4	Y / N	_____
EDU 5900 Student Teaching Seminar	2	Y / N	_____
EDU 5950 Secondary Student Teaching	14	Y / N	_____

Physics Courses (NOTE: additional content courses may be required for the Physics majors)

PHYS 1230 General Physics I	4	Y / N	_____
PHYS 1240 General Physics II	4	Y / N	_____
PHYS 3540 Modern Physics	4	Y / N	_____
PHYS 5900 Junior Seminar (2 semesters)	1	Y / N	_____
PHYS 5910 Senior Seminar (2 semesters)	1	Y / N	_____
PHYS 5920 Research Project-Based Advanced Laboratory (2 semesters)	4	Y / N	_____

Elective Course Choose 3 Additional courses, one of which MUST be at 5000 level:

PHYS 3520 Physical Optics	4	Y / N	_____
PHYS 3750 Thermo Dynamics and Statistical Mechanics	4	Y / N	_____
PHYS 3800 Electronic and Instrumentation	4	Y / N	_____
PHYS 5930 Theoretical Mechanics	4	Y / N	_____
PHYS 5940 Advanced Electromagnetic Field Theory	4	Y / N	_____
PHYS 5950 Advanced Quantum Mechanics	4	Y / N	_____
PHYS 5955 Advanced Topics in Physics	4	Y / N	_____
CHEM 3560 Molecular Structure and Spectroscopy	4	Y / N	_____

Other courses

MATH 1170 Calculus I	4	Y / N	_____
MATH 1180 Calculus II	4	Y / N	_____
MATH 3320 MultiVariable and Vector Calculus	4	Y / N	_____
MATH 3720 Introduction to Applied Mathematics	4	Y / N	_____

Student signature

Date

Education Advisor signature

Date