

UNDERGRADUATE PROGRAM  
PHYSICS / SECONDARY EDUCATION  
PLAN OF STUDY

NAME \_\_\_\_\_

EMPL# \_\_\_\_\_

*final GPA = 3.518*

COURSE                      TITLE    CREDITS    GRADE / SEMESTER

**GENERAL EDUCATION SEQUENCE (25 - 29 CREDIT HOURS)**

English 161	Core 1: Western Literature	4	_____	_____
History 161	Core 2: Western History	4	_____	_____
One Course	Core 3: Non-Western Worlds	4	_____	_____
One Course	Core 4: Critical Inquiry into Cultural Issues	4	_____	_____
Two Courses	(SB) Social & Behavioral Sciences (2 different areas)	6	_____	_____
One Course	(A) Visual & Performing Arts	3	_____	_____
Writing 100	Writing Competency	4	_____	_____

**PHYSICS MAJOR COURSES (67 CREDIT HOURS)**

REQUIRED PHYSICS COURSES

200	Mechanics (LS)	4	_____	_____
201	Electricity and Magnetism	4	_____	_____
202	Thermodynamics, Waves and Optics	4	_____	_____
300	Atomic and Nuclear Physics	4	_____	_____
312	Mathematical Methods in Physics	3	_____	_____
401	Advanced Electricity and Magnetism	3	_____	_____
403	Intermediate Mechanics	3	_____	_____
407	Quantum Mechanics	3	_____	_____
413	Senior Laboratory	3	_____	_____
491	Research in Physics	1	_____	_____

COGNATES

<i>Biology</i>				
111	Introductory Biology I (LS)	4	_____	_____
<i>Chemistry</i>				
103	General Chemistry I (LS)	4	_____	_____
104	General Chemistry II (LS)	4	_____	_____
<i>Physical Science</i>				
212	Geology (LS)	4	_____	_____
357	Historical & Contemporary Contexts of Science	3	_____	_____
<i>Mathematics</i>				
212	Calculus I (M)	4	_____	_____
213	Calculus II	4	_____	_____
314	Calculus III	4	_____	_____
416	Ordinary Differential Equations	4	_____	_____

### Report Results

[Return](#)

#### Unofficial Undergraduate Degree

Rhode Island College

Identifying Code: RICOL

Name : Alexander Hatzberger

Student ID: 0344268

SSN : 035-56-1051

Print Date : 2011-03-17

- - - - - Degrees Awarded - - - - -

Degree : Bachelor of Arts

Confer Date : 2009-05-16

Degree Honors : Rhode Island College is an NCATE accredited Inst

Degree Honors : Cum Laude

Degree Honors : General Education Honors

Plan : Secondary Education Physics Major

- - - - - Academic Program History - - - - -

Program : Ugrad Degree General College

2004-03-26 : Active in Program

2004-03-26 : SE Physics-IM Major

2004-03-26 : Honors Honors

2004-11-08 : Active in Program

2004-11-08 : SE Physics-IM Major

Program : Ugrad Deg Education & Humn Dev

2007-11-29 : Active in Program

2007-11-29 : SE Physics-BA Major

- - - - - Beginning of Undergraduate Record - - - - -

Fall 2004

CHEM	103H	Honors General Chemistry	4.00	4.00 B	12.000
------	------	--------------------------	------	--------	--------

HONR	161	Studies In Western Cultures	4.00	4.00 B	12.000
MATH	212	Calculus I	4.00	4.00 B	12.000
WRTG	100H	Introd To Academic Writing	4.00	4.00 C	8.000

**Transfer Credit from Advanced Placement Program**

Applied Toward Ugrad Degree General College Program

BIOL	111	Introductory Biology I	4.00	4.00 T	
BIOL	112	Introductory Biology II	3.00	3.00 T	
HIST	161	Western History	4.00	4.00 T	
XFER	999	Elective	2.00	2.00 T	

Course Trans GPA:	0.000	Transfer Totals :	13.00	13.00	0.000
-------------------	-------	-------------------	-------	-------	-------

TERM GPA :	2.750	TERM TOTALS :	16.00	16.00	44.000
------------	-------	---------------	-------	-------	--------

CUM GPA :	2.750	CUM TOTALS :	16.00	29.00	44.000
-----------	-------	--------------	-------	-------	--------

**Spring 2005**

CHEM	104H	Honors General Chemistry	4.00	4.00 B	12.000
HONR	162	Studies In Western Literature	4.00	4.00 B+	13.320
MATH	213	Calculus II	4.00	4.00 B	12.000
PHIL	205	Introduction to Logic	3.00	3.00 A	12.000

TERM GPA :	3.288	TERM TOTALS :	15.00	15.00	49.320
------------	-------	---------------	-------	-------	--------

CUM GPA :	3.010	CUM TOTALS :	31.00	44.00	93.320
-----------	-------	--------------	-------	-------	--------

Dean's List

**Fall 2005**

CEP	215	Educational Psychology	4.00	4.00 B+	13.320
ENGL	116H	Appr To Film & Film Criticism	3.00	3.00 B	9.000
HONR	163	Studies Non-Western Cultures	4.00	4.00 B	12.000

Course Topic(s): Amazonia

MUS	101	Beginning Piano	1.00	1.00 A-	3.670
PHYS	200	Mechanics	4.00	4.00 B+	13.320

TERM GPA :	3.207	TERM TOTALS :	16.00	16.00	51.310
------------	-------	---------------	-------	-------	--------

CUM GPA : 3.077 CUM TOTALS : 47.00 60.00 144.630

**Spring 2006**

FNED 346 Schooling in a Democratic Soc 4.00 4.00 A 16.000

HONR 264 Topics: 4.00 4.00 A 16.000

Course Topic(s): Power and Community

PHYS 201 Electricity and Magnetism 4.00 4.00 B+ 13.320

PSCI 357 Hist&Contemp Contexts Sci 3.00 3.00 A 12.000

TERM GPA : 3.821 TERM TOTALS : 15.00 15.00 57.320

CUM GPA : 3.257 CUM TOTALS : 62.00 75.00 201.950

Dean's List

**Summer 2006****Transfer Credit from Community College of Rhode Island**

Applied Toward Ugrad Degree General College Program

MATH 314 Calculus III 4.00 4.00 T

Course Trans GPA: 0.000 Transfer Totals : 4.00 4.00 0.000

**Fall 2006**

CSCI 101 Introduction to Computers 3.00 3.00 B 9.000

INST 251 Intro To Emerging Technologies 3.00 3.00 A 12.000

MATH 240 Statistical Methods I 3.00 3.00 A 12.000

PHYS 202 Thermodynamics,Waves&Optics 4.00 4.00 B 12.000

PHYS 312 Math Methods In Physics 3.00 3.00 B- 9.010

TERM GPA : 3.313 TERM TOTALS : 16.00 16.00 53.010

CUM GPA : 3.269 CUM TOTALS : 78.00 95.00 254.960

Dean's List

**Spring 2007**

CSCI 201 Computer Programming I 3.00 3.00 A 12.000

ENGL	350	Topics:	3.00	3.00 A	12.000
------	-----	---------	------	--------	--------

Course Topic(s): Tolkein

MATH	416	Ordinary Differential Equation	3.00	3.00 B-	8.010
------	-----	--------------------------------	------	---------	-------

PHYS	401	Adv Electricity&Magnetism	3.00	3.00 C+	6.990
------	-----	---------------------------	------	---------	-------

SOC	207	Crime & Criminal Justice	3.00	3.00 A	12.000
-----	-----	--------------------------	------	--------	--------

WMST	200	Gender and Society	3.00	3.00 A-	11.010
------	-----	--------------------	------	---------	--------

TERM GPA :	3.445	TERM TOTALS :	18.00	18.00	62.010
------------	-------	---------------	-------	-------	--------

CUM GPA :	3.302	CUM TOTALS :	96.00	113.00	316.970
-----------	-------	--------------	-------	--------	---------

Dean's List

#### Fall 2007

MATH	300	Bridge to Advanced Mathematics	3.00	3.00 A-	11.010
------	-----	--------------------------------	------	---------	--------

MATH	411	Calculus IV	3.00	3.00 A	12.000
------	-----	-------------	------	--------	--------

PHYS	300	Atomic And Nuclear Physics	4.00	4.00 A	16.000
------	-----	----------------------------	------	--------	--------

PHYS	413	Senior Laboratory	3.00	3.00 A	12.000
------	-----	-------------------	------	--------	--------

TERM GPA :	3.924	TERM TOTALS :	13.00	13.00	51.010
------------	-------	---------------	-------	-------	--------

CUM GPA :	3.376	CUM TOTALS :	109.00	126.00	367.980
-----------	-------	--------------	--------	--------	---------

Dean's List

#### Spring 2008

PHYS	403	Intermediate Mechanics	3.00	3.00 A	12.000
------	-----	------------------------	------	--------	--------

PHYS	407	Quantum Mechanics	3.00	3.00 A	12.000
------	-----	-------------------	------	--------	--------

PHYS	492	Research in Physics	2.00	2.00 A	8.000
------	-----	---------------------	------	--------	-------

PSCI	210	Introduction to Astronomy	3.00	3.00 A	12.000
------	-----	---------------------------	------	--------	--------

PSCI	214	Intro To Meteorology	3.00	3.00 A	12.000
------	-----	----------------------	------	--------	--------

SED	406	Instructional Meth,Design&Tech	2.00	2.00 A	8.000
-----	-----	--------------------------------	------	--------	-------

SED	407	Instruct Meth,Design,&Literacy	2.00	2.00 A	8.000
-----	-----	--------------------------------	------	--------	-------

TERM GPA :	4.000	TERM TOTALS :	18.00	18.00	72.000
------------	-------	---------------	-------	-------	--------

CUM GPA :	3.464	CUM TOTALS :	127.00	144.00	439.980
-----------	-------	--------------	--------	--------	---------

Dean's List

**Fall 2008**

PSCI	212	Introduction to Geology	4.00	4.00 A	16.000
SED	410	Practicum in Secondary Educ	5.00	5.00 A	20.000

Course Topic(s): Science

SPED	433	Adaptive Instr Inclusive Educ	3.00	3.00 A	12.000
------	-----	-------------------------------	------	--------	--------

11.6.08 Substitution: Use PHYS 492 Physics Research for PHYS 491 Physics Research  
per Dept Chair PHY SCI. EHB3

TERM GPA :	4.000	TERM TOTALS :	12.00	12.00	48.000
------------	-------	---------------	-------	-------	--------

CUM GPA :	3.511	CUM TOTALS :	139.00	156.00	487.980
-----------	-------	--------------	--------	--------	---------

Dean's List

**Spring 2009**

SED	421	Student Teach in Sec Sch	9.00	9.00 S	
-----	-----	--------------------------	------	--------	--

Course Topic(s): Science

SED	422	Student Teaching Seminar	2.00	2.00 A	8.000
-----	-----	--------------------------	------	--------	-------

Course Topic(s): Science

TERM GPA :	4.000	TERM TOTALS :	11.00	11.00	8.000
------------	-------	---------------	-------	-------	-------

CUM GPA :	3.518	CUM TOTALS :	150.00	167.00	495.980
-----------	-------	--------------	--------	--------	---------

Dean's List

**Undergraduate Career Totals**

CUM GPA :	3.518	CUM TOTALS :	150.00	167.00	495.980
-----------	-------	--------------	--------	--------	---------

**- - - - - Non-Course Milestones - - - - -**

2003-05-29 College Mathematics Requirement

Milestone Status: Completed

2003-05-29 SAT Test Taken - Completed

2004-09-11 College Writing Requirement

Milestone Status: Completed

2004-09-11 Course Taken - Completed

- - - - A C A D E M I C A D V I S E M E N T R E P O R T - - - -

**Report on Undergraduate Career**

Requirements Not Satisfied

**Ugrad Deg Education & Humn Dev Program**

Requirements Not Satisfied

RHODE ISLAND COLLEGE GRADUATION REQUIRMENTS FOR ALL UNDERGRADUATE STUDENTS.

A minimum overall grade point average of 2.00, a minimum of 120 earned credit hours, and a minimum of 45 credit hours in residence is required for graduation

A minimum overall grade point average of 2.00 on a 4.00 scale is required  
 GPA (required/actual): 2.000/3.518

Student has completed at least 45 credits at Rhode Island College and has fulfilled the college residency requirement.

General Education Program

Core 1 Requirement-Western Literature

Core 1 - Complete one of the following courses: ENGL 161, HONR 161

Term	Course	Description	Units	Grade Code
Spring 2005	HONR 162	Studies In Western L	4.00	B+ EN

Core 2-Requirement- Western History

Core 2 -Must take 1 of the following: Hist 161, Honr 162

Term	Course	Description	Units	Grade Code
Fall 2004	HIST 161	Western History	4.00	T TR

## Core 3 Requirement-Non Western Worlds

Core 3- Must take 1 of the following: Afam 162, 163, Anth 162, 169,  
 Art 162, Comm 162, Engl 163, Film 162, Hist 162-165, Honr 163, Mlan 162,  
 Mus 169, Phil 165, 167, Pol 161, Ssci 162, Soc 161, Wmst 162

Term	Course	Description	Units	Grade	Code
Fall 2005	HONR 163	Studies Non-Western	4.00	B	EN

## Core 4 Requirement -Other Cultures

1 from : Afam 261, 262, Anth 261-265, Art 262, Biol 261, Comm 261, 262,  
 Eled 261, Engl 261-265, Film 262, Gen 261- 264, Geog 261, 263, Hist  
 261-266, Honr 264, Mth 262, Mgt 261, Mlan 261, Nurs 261-265, Phil 261-265,  
 Pol 261-265, Soc 261-266, Tht 261

Term	Course	Description	Units	Grade	Code
Spring 2006	HONR 264	Topics:	4.00	A	EN

Soc/Beh-Must take 2 courses FROM DIFFERENT DEPTS: Afam 200, Anth 101, 102,  
 104, 204, 205, 206, Econ 200, Geog, 100, 101, Mlang courses 110, 113 , Pol  
 200-204, Psyc 110, 215, Soc 200, 202, 204, 207, 208, 211, 217, Wmst 200

Complete one of the following: SOC 200. 202. 204, 207, 208, 211, 217

Term	Course	Description	Units	Grade	Code
Spring 2007	SOC 207	Crime & Criminal Jus	3.00	A	EN

Complete WMST 200

Term	Course	Description	Units	Grade	Code
Spring 2007	WMST 200	Gender and Society	3.00	A-	EN

## Visual/Performing Arts Requirement

Visual/Perf-Complete 3 credits from: Art 101, 104, 201, 230, 231, 232,



Comm 241, Danc 107/116, 215, Engl 113, 116, Mus 161-166, Mus 201, 203,  
221, 222, 223, 225, PFA 158, Phil 230, Thtr 240

Term	Course		Description	Units	Grade	Code
Fall 2005	ENGL	116H	Appr To Film & Film	3.00	B	EN

#### Laboratory Science Requirement

Lab Sci-Must take 1 of the following: Biol 101/111, 102/112, 104, 108,  
109, Chem 103-106, Psci 103, 212, 217, Phys 101, 102, 110, 200

Term	Course		Description	Units	Grade	Code
Fall 2004	BIOL	111	Introductory Biology	4.00	T	TR

#### Mathematical Systems Requirement YOU HAVE A CHOICE--

(take Math 143 and Math 144; OR one from the designated list)

Must complete one from: Math 139, 141, 177, 181, 209, 212, 240, 247

Term	Course		Description	Units	Grade	Code
Fall 2004	MATH	212	Calculus I	4.00	B	EN

#### Additional Science/Mathematics Requirement

Sci/Math-Must take either 1 add. course from Lab Sci Req or 1 add. course

from Math Systems Req or 1 course from: Anth 103, Biol 103, Csci 101,

Geog 205, Phil 205, Psci 205, 208, 210, 214, 216

Term	Course		Description	Units	Grade	Code
Fall 2004	CHEM	103H	Honors General Chemi	4.00	B	EN

#### Degree requirements for the B.A. degree in Secondary Education

Course requirements for B.A. in Secondary Education

Complete: CEP 315/215, FNED 346/FNED 340/345, SED 410, SED 421, SED 422,

and SPED 433

Term	Course	Description	Units	Grade	Code
Fall 2005	CEP 215	Educational Psycholo	4.00	B+	EN
Spring 2006	FNED 346	Schooling in a Democ	4.00	A	EN
Fall 2008	SED 410	Practicum in Seconda	5.00	A	EN
Fall 2008	SPED 433	Adaptive Instr Inclu	3.00	A	EN
Spring 2009	SED 421	Student Teach in Sec	9.00	S	EN
Spring 2009	SED 422	Student Teaching Sem	2.00	A	EN

Must complete both Sed 406 and Sed 407

Term	Course	Description	Units	Grade	Code
Spring 2008	SED 406	Instructional Meth,D	2.00	A	EN
Spring 2008	SED 407	Instruct Meth,Design	2.00	A	EN

#### Secondary Education Physics Major Plan

Requirements Not Satisfied

#### Degree requirements for the BA degree in Physics (Secondary Education)

Requirement Not Satisfied -

#### Degree requirements for Secondary Education/Physics Major

Overall Requirement Not Satisfied -

**PHYS 200, 201, 202, 300, 312, 401, 403, 407, 413, 491**

Requirement Not Satisfied -

Courses (required/actual/needed): 10.00/9.00/1.00

Term	Course	Description	Units	Grade	Code
Fall 2005	PHYS 200	Mechanics	4.00	B+	EN
Spring 2006	PHYS 201	Electricity and Magn	4.00	B+	EN
Fall 2006	PHYS 202	Thermodynamics,Waves	4.00	B	EN
Fall 2006	PHYS 312	Math Methods In Phys	3.00	B-	EN
Spring 2007	PHYS 401	Adv Electricity&Magn	3.00	C+	EN
Fall 2007	PHYS 300	Atomic And Nuclear P	4.00	A	EN

Fall 2007	PHYS	413	Senior Laboratory	3.00	A	EN
Spring 2008	PHYS	403	Intermediate Mechani	3.00	A	EN
Spring 2008	PHYS	407	Quantum Mechanics	3.00	A	EN

Complete BIOL 101

Term	Course		Description	Units	Grade	Code
Fall 2004	BIOL	111	Introductory Biology	4.00	T	TR

Complete CHEM 103 and 104

Term	Course		Description	Units	Grade	Code
Fall 2004	CHEM	103H	Honors General Chemi	4.00	B	EN
Spring 2005	CHEM	104H	Honors General Chemi	4.00	B	EN

Complete MATH 212, 213, 314, 416

Requirement Not Satisfied -

Courses (required/actual/needed): 5.00/4.00/1.00

Term	Course		Description	Units	Grade	Code
Fall 2004	MATH	212	Calculus I	4.00	B	EN
Spring 2005	MATH	213	Calculus II	4.00	B	EN
Summer 2006	MATH	314	Calculus III	4.00	T	TR
Spring 2007	MATH	416	Ordinary Differentia	3.00	B-	EN

Complete PSCI 212 and 357

Term	Course		Description	Units	Grade	Code
Spring 2006	PSCI	357	Hist&Contemp Context	3.00	A	EN
Fall 2008	PSCI	212	Introduction to Geol	4.00	A	EN

The below listed courses are courses that were either taken or are presently being taken.

These courses have not been used to satisfy a specific requirement in

your degree program.

Term	Course		Description	Units	Grade	Code
Fall 2004	BIOL	112	Introductory Biology	3.00	T	TR
Fall 2004	XFER	999	Elective	2.00	T	TR
Fall 2004	HONR	161	Studies In Western C	4.00	B	EN
Fall 2004	WRTG	100H	Introd To Academic W	4.00	C	EN
Sprng 2005	PHIL	205	Introduction to Logi	3.00	A	EN
Fall 2005	MUS	101	Beginning Piano	1.00	A-	EN
Fall 2006	CSCI	101	Introduction to Comp	3.00	B	EN
Fall 2006	INST	251	Intro To Emerging Te	3.00	A	EN
Fall 2006	MATH	240	Statistical Methods	3.00	A	EN
Sprng 2007	CSCI	201	Computer Programming	3.00	A	EN
Sprng 2007	ENGL	350	Topics:	3.00	A	EN
Fall 2007	MATH	300	Bridge to Advanced M	3.00	A-	EN
Fall 2007	MATH	411	Calculus IV	3.00	A	EN
Sprng 2008	PHYS	492	Research in Physics	2.00	A	EN
Sprng 2008	PSCI	210	Introduction to Astr	3.00	A	EN
Sprng 2008	PSCI	214	Intro To Meteorology	3.00	A	EN

---

[Return](#)