

SECONDARY BIOLOGICAL SCIENCE TEACHING MAJOR REQUIRED COURSES
Initial Rules 2002 Life Science Middle School/Junior High/High School Updated 01.08; 5.08; 8.08

Grade	Course	Credit Hours	Title
Biology Courses 32 credits			
	BIOL 107	1	Biol Freshman Experience
	BIOL 101	4	Intro to Biology 1
	BIOL 102	4	Intro to Biology 2
	BIOL 243	4	Intro Cell Biology
	BIOL 244	3	Genetics
	BIOL 244L	1	Genetics Lab
	BIOL 316	4	Basic Microbiology
	BIOL 333	4	Ecology
	BIOL 357	4	Intro Animal Physiology
	BIOL 339	3	Social Issues in Biology
Chemistry 16 credits			
	CHM 115	4	Gen Chemistry 1 ^A
	CHM 116	4	Gen Chemistry 2
	CHM 255	3	Organic Chemistry
	CHM 255L	1	Organic Chemistry Lab
	CHM 256	3	Organic Chemistry 1
	CHM 256L	1	Organic Chemistry Lab 2
Physics 8 credits			
	PHYS 220	4	General Physics 1
	PHYS 221	4	General Physics 2
English/Communications Humanities Required 9-12 credits			
<i>A/B only</i>	ENGL 100/104	3	English Composition 1 ^B
<i>A/B only</i>	ENGL 105	3	English Composition 2
<i>A/B only</i>	OR ENGL 108	3	Accelerated 1 st Yr Composition
<i>A/B only</i>	COM 114	3	Fundamentals of Speech Communication
	HIST 334 ^C	3	Sci & Tech in Western
	PSY		Use EDPS 220

Grade	Course	Credit Hours	Title
Professional Education 42 credits			
See next page			
Mathematics/Computer Tech minimum 6 credits			
	<i>MA 021</i>	0	<i>Beginning Algebra</i>
	<i>MA 041</i>	0	<i>Intermediate Algebra</i>
	<i>MA 153</i>	3	<i>Algebra and Trig 1</i>
	<i>MA 154</i>	3	<i>Algebra and Trig 2</i>
	<i>Or MA 159</i>	5	<i>Pre-Calculus *for qualified students instead of 153/154*</i>
	MA 223	3	Intro Analysis (Calculus) Calculus 1
	MA 224	3	Intro Analysis 2 (Calculus) Calculus 2
Free Electives 7-10 credits			
	SCI 220	2	
	ASTR	3	Recommended elective
	EAS	3	Recommended elective
	CIS	204	(Prerequisite for EDCI 260)

This is a planning aid only! See your Academic Advisor for complete information

EMS Freshman Advisor

Diane Trgovcich-Zacok, Gyte 181C, 219-989-4116

Biological Sciences Advisor

Young Choi, Gyte 292, 219-989-2325

Secondary Education Advisor,

Charlotte Rakich, Gyte Annex 151B, 989-2360

Graduation Checklist:

- 124 credit hours completed (not including 000 level courses or any F grades)***
- C grade or higher in all science and education courses***
- 2.75 GPA in all science courses***
- 32 credit hours at the 300 level and above***

Classes in italics are considered preparatory classes for the Biology Program. Ask your advisor on how these courses may or may not count towards your degree. See note on back. Consult your advisor for your specific schedule.

^A Students not ready for CHM 115 should take CHM 100 first

^B Students not qualified for ENGL 104 should take ENGL 100 first. Students with A or B in ENGL 100 may proceed to ENGL 105 without taking ENGL 104. Students with C or D should take ENGL 104 and ENGL 105.

^C Students can substitute POL 304 with advisor approval.

Life Sciences (Biology) Teaching

Initial Rules 2002 Middle School/Junior High/High School

May 2008

Education Requirements

Sample Plan of Study

Grades of A or B in composition and communication	ENGL 100/104/108 (A or B)	CIS 204	BIOL 107	BIOL 101	CHM 115
Prerequisite/co-requisite	EDCI 206	COM 114 (A or B)	ENGL 105 (A or B)	BIOL 102	CHM 116
Cluster 1	EDPS 220	EDCI 260	BIOL 243	CHM 261/255L	Free elective*
Cluster 1	EDPS 285	BIOL 244/244L	CHM 262/256L	MA 223	Free elective
Passing Praxis scores; 3.0 overall GPA; 2.75 GPA in BIOL 101, 102, 243; Portfolio 1.5					
Cluster 2	EDPS 260	EDCI 355	BIOL 316	MA 224	HIST 334/POL 305
Admitted to methods courses (See requirements below)					
Methods	EDCI 309	EDCI 366	BIOL 333	PHYS 220	SCI 220
Methods	EDPS 370	EDCI 346	BIOL 357	PHYS 221	BIOL 339
Professional semester (See requirements below)	EDCI 497B Student Teaching 12 credit hours *EAS required for licensing				

EDUCATION REQUIREMENTS (42 hours)

Pre-Methods Courses

_____ EDCI 206 Introduction to Teaching (3)
pre-requisite for the following courses in Cluster 1

Cluster 1

- _____ EDPS 220 Psychology of Learning (3)
- _____ EDPS 285 Diversity & Education (3) Limited criminal history report and liability insurance required
- _____ EDCI 260 Computers in the Classroom (3) (CIS 204 pre-requisite)

Documentation of passing scores for the Praxis, 3.0 GPA, and portfolio score of 1.5 required to proceed to Cluster 2.

Go to <http://www.ets.org/praxis> for more information.

Go to http://www.testprepreview.com/praxis_practice.htm for test preparation.

Cluster 2

- _____ EDCI 355 Teaching & Learning in the K-12 Classroom (3) (Liability insurance required) [EXL]
- _____ EDPS 260 Introduction to Special Education (3)
- _____ Submit Application for Methods--Meet the following requirements:

1. 30 credit hours, 15 at PUC
2. 3.0 GPA overall and in Education courses.
3. 2.75 GPA in 12 hours in Intense Areas
4. Grades of B in ENGL 104, 105, COM 114
5. No more than 2 repeats/withdrawals after EDCI 206
6. No Ds or Fs
7. Portfolio score of 1.5
8. Appropriate dispositions displayed

The Praxis I exam can be taken at PUC or Thomson Prometric (on computer) 219 736-2826. Approximate cost: \$130 to \$180 as of May 2008.

Praxis I Scores
Reading 176
Writing 172
Mathematics 175

--Submit Methods application by September 1 or February 1 while taking Cluster 2 classes.
--Attend student teaching call out during Cluster 2 semester

Submit student teaching application 1 year prior to student teaching (Usually during first methods semester.) Due Feb 10 and Sept 10.

Teacher Preparation Program Methods Courses

- _____ EDCI 366 Use of Assessment in the K-12 Classroom (3)
- _____ EDPS 370 Teaching Students with Diverse Learning Needs (3) [EXL]
- _____ EDCI 309 Reading in Middle & Secondary Schools (3)
- _____ EDCI 346 (Fall only) Science Teaching in Middle School, Jr High, High School (3)
- _____ Take Praxis II Specialty Area exam: Codes: 0235 Biology Content Knowledge
- _____ Meet requirements for retention and admission to professional semester

1. 3.0 GPA overall
2. 3.0 GPA in Education and 2.75 in science content with no grade lower than C
3. No more than 2 repeats/withdrawals
4. No more than 2 Cs in education courses
5. Praxis II exam taken
6. Updated Limited Criminal History report submitted and liability insurance proof submitted
7. All coursework completed
8. Portfolio score of 1.75
9. Appropriate dispositions displayed

_____ EDCI 497B Professional Semester (12) 2.0 portfolio score; appropriate dispositions displayed required for Pass [EXL]

Other program costs*

TaskStream: \$70 for 2 years (2)
Limited criminal history report (2): \$16.35
Liability insurance: \$37 annually (4)
Student teaching processing fee: \$100
Praxis I (PPST) \$130 min
Praxis II (content exam) \$130
*As of 5/08