



SCHOOL OF EDUCATION ADVISING GUIDE

Biology Major for Licensure in Elementary Education (Fall 2014 catalog year and earlier only)

Name: _____ 900# _____



Use this document to learn about specific requirements for your major and accompanying teacher licensure courses, and to work with your academic advisors to plan your course of study and track your progress. Please keep an updated copy of this form and leave the original on file in the School of Education Student Services Office.

For general requirements pertaining to Elementary Education licensure, visit the School of Education website (www.msudenver.edu/education) or stop by the School of Education Student Services Office, WC 162, and **be sure to talk with your advisors.**

Visit your advisors. If you major in Biology and seek teacher licensure in Elementary Education, you will have two advisors:

- One in Biology
- One in the Elementary Education program

Before you can register for most education courses:

- Apply to the School of Education.
- Obtain provisional and/or formal admission to the program. Some courses require provisional admission, while most advanced courses require formal admission.

There are three parts to this program (described in detail below):

1. GENERAL STUDIES AND ADDITIONAL CONTENT COURSES

The following courses meet Colorado content standards for teachers and are the first courses to focus on completing. All courses required for licensure must be passed with a grade of C or better.

Course	Substitute Course # / Title / College	Credit Hours	When?	Grade	Advisor Initials
ENG 1010-3	Composing Arguments				
ENG 1020-3	Freshman Composition II: Analysis, Research & Documentation				
MTH 1610-3	Integrated Mathematics I				
SPE 1010-3 <u>or</u> SPE 1710-3	Public Speaking Interpersonal Communication				
HIS 1210-3 <u>or</u> HIS 1220-3	American History to 1865 American History since 1865				
ENG 2460-3	Children's Literature				
MUS 3060-3 <u>or</u> ARTH 3060-3	Art and Music for Elementary Teachers (Cross-listed)				
*GEG 1000-3 <u>or</u> *GEG 1920-3	World Regional Geography Concepts & Connections in Geog.				
PSY 1800-3	Developmental Educational Psychology				
CHE 1100-4 <u>and</u> CHE 1150-1	Principles of Chemistry Principles of Chemistry Laboratory				
GEL 1010-4 <u>or</u> PHY 1000-4	General Geology Introduction to Physics				

** For students under the Fall 2012 catalog year or later, we recommend that you take GEG 1000 because it meets the Global Diversity requirement. GEG 1920 does not meet this requirement and if you choose to take it, you may have to take an additional course to meet this requirement.*

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1. GENERAL STUDIES AND ADDITIONAL CONTENT COURSES (cont'd.)

Course	Substitute Course # / Title / College	Credit Hours	When?	Grade	Advisor Initials
Additional Content Area Courses Needed for Licensure:					
MTH 2620-3	Integrated Mathematics II				
MTL 3600-3	Mathematics of the Elementary Curriculum (Not a Gen Ed course)				
HPS 2130-2	Health and Physical Education for Elementary				
GENERAL STUDIES & ADDITIONAL CONTENT COURSES TOTAL		44			

2. BIOLOGY MAJOR COURSES

The following are the course requirements for your major. Please track progress on your major and other graduation requirements on your CAPP report and **see your Biology advisor regularly.**

You must take all courses on the following list (unless otherwise noted), check the College Catalog for pre-requisites:

BIOLOGY CORE

Course		"Met" on CAPP Report?	Course		"Met" on CAPP Report?
BIO 1080-3	General Biology I	<input type="checkbox"/>	BIO 2400-5	General Microbiology	<input type="checkbox"/>
BIO 1090-1	General Biology Laboratory I	<input type="checkbox"/>	BIO 3600-4	General Genetics	<input type="checkbox"/>
BIO 1081-3	General Biology II	<input type="checkbox"/>	BIO 4850-3	Evolution	<input type="checkbox"/>
BIO 1091-1	General Biology Laboratory II	<input type="checkbox"/>	BIO 4540-4 <u>or</u>	Plant Ecology	<input type="checkbox"/>
			BIO 4550-4 <u>or</u>	Animal Ecology	
			BIO 4510-4	Microbial Ecology	

Biology Core Total:

24 hours

UPPER DIVISION BIOLOGY ELECTIVES:

You must select 16 credit hours of upper division Biology courses in consultation with your Biology advisor.

Summary of Biology Major Courses:

Biology Core:	24 hours
Upper Division Biology Electives:	16 hours

BIOLOGY MAJOR COURSES TOTAL

40 HOURS

3. TEACHER EDUCATION COURSES

The courses in the following list (41-42 credit hours total) are required for Elementary Education licensure. Courses listed with heavy outlines must be taken together; please see your Elementary advisor for detail on recommended sequence. **Courses required for licensure must be passed with a grade of C or better.**

Course	Substitute Course # / Title / College	Credit Hours	When?	Grade	Advisor Initials
EDU 3000-1	Introduction to Education				
EDU 3200-3	Human Diversity: Applications for Multicultural Education <i>(Counts for Multicultural graduation requirement)</i>				
EDT 3610-2 or EDT 3010-3	Applications of Educational Technology Instructional Delivery for Interactive Learning Environments				
SED 3600-3	Exceptional Learners in the Classroom				
RDG 3110-3	Foundations of Literacy Instruction Grades P-6 <i>(pre-requisite: PSY 1800)</i>				
EDU 3640-3**	Basic Techniques of Instruction, Assessment and Management <i>(pre-requisites: PSY 1800, EDU 3000, EDU 3200, SED 3600)</i>				
EDU 3650-1**	Elementary Instruction, Assessment and Management Field Experience (55 Hours)				
EDU 3660-2**	Teaching Writing K-6				
RDG 4000-3**	Literacy Instruction in Grades K-6 <i>(pre-requisites: EDU 3640, EDU 3650, RDG 3110, History and Social Science General Studies)</i>				
EDU 4100-3**	Integrated Methods of Teaching Language Arts & Social Studies: K-6				
EDU 4105-1**	Integrated Methods of Teaching Language Arts & Social Studies Field Exp. (55 hours)				
EDU 4120-3**	Integrated Methods of Teaching Science, Math and Health: K-6 <i>(pre-requisites: EDU 3640, EDU 3650, MTH 2620, at least 3 credits of Natural Science Gen. Studies)</i>				
EDU 4125-1**	Integrated Methods of Teaching Science, Math and Health Field Exp. (55 Hours)				
EDU 4190-12**	Student Teaching <i>(Counts for Senior Experience graduation requirement)</i>				
TEACHER EDUCATION COURSES TOTAL		41-42			

* Requires at least provisional admission to the teacher licensure program. ** Requires formal admission to the teacher licensure program.

GRAND TOTAL FOR PROGRAM **125-126 credit hours**

Before you begin student teaching, you will need your education advisor's initials for all courses (except the courses in your major area) and signature below.

Based on my review, this student is eligible to apply for student teaching.

SIGNATURE OF ADVISOR: _____ DATE: _____

Please visit the School of Education website for updated licensure exam requirements for Elementary Education.