

# Concentrations for ECE/EE Dual Certification



## Art Concentration

ART CA 1010	Introduction to the Visual Arts	3
ART CA 1090	Art and Architecture of the World Paleolithic AD 1000	4
ART CA 1100	Art and Architecture of the World AD 1000-Present	4
ART 1110	Drawing 1	3
ART 1150	Basic Photography	3
ART 1160	Design: 2D	3
ART 1170	Design: 3D	3
ART 2310	Introduction to Ceramic Art	3
ART 2600	Painting 1	3
ART 2650	Watercolor Painting	3
ART 2700	Sculpture 1	3

## Education of the Gifted Concentration

Required courses:

EDUC 4420	Foundations in Ed of the Gifted	2
EDUC 4480	Differentiated Curriculum to the Gifted	3
EDUC 4490	Assessment & Evaluation in Education of the Gifted	2

Select one (1) elective course:

EDUC 3430	Creative Processes in the Elementary School	3
EDUC 4450	Creativity and Applied Imagination	2
EDUC 4470	Teaching for Thinking	2

## Foreign Language Concentration

9 credit hours in one (1) language (may count toward a BA degree). Prior approval of courses by the foreign language department chairperson is required.

## Music Concentration

MUSC HU 1013	Introduction to Music	3
MUSC 1102	Fundamentals of Musicianship	2
MUSC 1053	Music of World Cultures	3
MUSC 1063	Music in Religion	3
MUSC 2881	Vocal Workshop	1
MUSC* 3824	Music for Elementary Teachers	4

\*Required

## Physical Education Concentration

PEP 2600	Growth and Development	3
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Choose six more credits from the following:

### 1. RECREATION (Choose one):

REC 3840	Therapeutic and Social Recreation	3
or REC 4550	Outdoor Ed. Philosophies and Principles	3

### 2. SKILL DEVELOPMENT (Choose one):

PEP 3240	Skill Dev. & Methods of Teaching Field Sports, i.e. flag football, soccer, softball	3
REC 2840	Skill Dev. & Methods of Teaching Court Sports, i.e. basketball and volleyball	3

### 3. NUTRITION (Choose one):

NUTR 2420	Childhood and Adolescent Nutrition (prerequisite NUTR LS 1020)	2
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and one PE activity class listed below (1) or

PEP 4800	Individual Projects (Elementary Field Experience) (prerequisite 6 PEP or PE approved credits and approved by Physical Ed. Program Director)	1
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### 4. LEISURE ACTIVITIES (Choose one):

PEP 3260	Teaching Lifelong Leisure Activities	2
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And one PE activity class listed below (1) or

PEP 4800	Individual Project (Elementary Field Experience) (prerequisite 6 PEP or PE approved credits and approved by Physical Ed. Program Director)	1
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### 5. ACTIVITY (Choose one fitness activity class):

PE 1060	Cross Training for Fitness	1
PE 1070	Walking for Fitness	1
PE 1080	Fitness for Life	1
PE 1090	Aerobic Dance	1
PE 1100	Jogging	1

and two activity classes:

PE 1150	Badminton	1
PE 1500	Basketball	1
PE 1520	Soccer	1
PE 1530	Volleyball	1
PE 1540	Softball	1

## ESL Concentration and/or Academic Teaching Minor

EDUC 4250	Second Language Acquisition: Theories and Implementation	3
ENGL 4420	English Phonology and Syntax for ESL/Bilingual Teachers	3
EDUC 4270	Literacy Strategies for Teaching English Language Learners	3

In addition to the three courses listed above, the following courses are required for the Academic Teaching Minor :

ENGL* 4410	Strategies and Methodology of Teaching ESL/Bilingual	3
ENGL 4450	ESL/Bilingual Assessment: Theories, Methods and Practices	2
EDUC 4740	Building School Partnerships with ESL/Bilingual Families	1
EDUC 5770	Field Experience in ESL/Bilingual Ed.	2

\*FL 4400 Methods of Teaching a Foreign Language can be used in lieu of this course.

## Fine Arts Concentration

### 1. Art

ART CA 1010	Introduction to the Visual Arts	3
ART 1110	Drawing 1	3
ART 1160	Design: 2D	3
ART 1170	Design: 3D	3
ART 2650	Watercolor Painting	3

### 2. Dance

DANC CA 1010	Introduction to Dance	3
DANC 1460	Folk and Ethnic Forms	1
DANC 1490	Modern Dance, Elementary	1
DANC 3320	Techniques and Materials	2
DANC* 3640	Teaching Creative Movement in Elementary School	2

### 3. Music

MUSC HU 1013	Introduction to Music	3
MUSC 1102	Fundamentals of Musicianship	2
MUSC* 3824	Music for Elementary Teachers	4

### 4. Theatre

THEA HU 1013	Introduction to Theatre	3
THEA 4603	Creative Drama	3

### 5. Education

EDUC 3430	Creative Processes in Elementary School	3
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\*Required

## General Sciences Concentration

### Physical Sciences

CHEM PS 1360	Principles of Physical Science	3
or PHSX PS 1360	Principles of Physical Science	3
GEO PS 1350	Principles of Earth Science	3

### Life Sciences

BOT LS 1370, or MICRO LS1370 or ZOO LS1370	Principles of Life Science	3
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At least one (1) of these courses or another science laboratory course is required.

## Mathematics Concentration

9 Credit Hour Concentration (Choose three courses from the following):

MATH 1060	Trigonometry	3
MTHE 3060	Probability and Statistics for Elementary Teachers	3
MTHE 3070	Geometry for Elementary Teachers	3
MTHE 3080	Number Theory for Elementary Teachers	3
MTHE 4040	Math Problem Solving for Elem. Teachers	3

### 18 Credit Hour Concentration

Take all five courses listed above as well as:		
MTHE 4700	Senior Project in Elementary Math Teaching	3

## Reading/Language Arts Concentration

EDUC 3390	Literacy in the Primary Grades	2
EDUC 4650	Diagnosis & Remediation of Reading Problems	3
EDUC 4920	Reading and Writing Conference	1
Choose one of the following:		
MED 6330	Using Children's Literature and Informational Text in the Classroom	2

## Reading/Language Arts Concentration Cont.

MED 6352	Early Literacy Instruction (K-12)	2
MED 6360	Foundations of Literacy (Recommended)	3
<i>Choose from the remainder of the MEDUC courses listed above or from the courses listed below to complete the 18 credit hours.</i>		
EDUC 5120	Culture and Language	3
ENGL 3020	Intro to Study of Language for Teachers	3
ENGL 3040	History of English Language	3
ENGL 3310	Young Adult Literature	3
ENGL 4400	Multicultural Perspectives on Literature or Young People	3

## Educational Computing Concentration

## Multicultural Education Concentration

If you are interested in either of these concentrations, please see the Teacher Education Advisement Center for a list of courses.

## Social Sciences Concentration

### 1. History (One course required)

HIST 1010	World History to 1500	3
HIST 1020	World History 1500 to Present	3
HIST 2700	American History to 1877	3
HIST 2710	American History 1877 to Present	3
HIST 4130	History of Utah	3

### 2. Geography (One course required)

GEOG SS 1100	Places and People of the World	3
GEOG SS 1520	Geography of the U.S. and Canada	3
GEOG 3500	Geography of Utah	3

### 3. Economics

ECON SS 1010	Economics as a Social Science	3
ECON AI 1740	Economic History of the U.S.	3

### 4. Political Science

POLS AI1100	American National Government	3
POLS 3750	Urban Government and Politics	3
POLS 3600	Political Parties and Elections	3

## Special Education Concentration

Select 9 credit hours from the following:

EDUC 4520	Collaboration, Consultation and IEP Development	3
EDUC 4530	Principles and Applications of Special Education Assessment	3
or EDUC 4540	Managing Student Behavior and Teaching Social Skills	3
EDUC 4550	Instructional Content and Methods for Elementary Students	3

18 Credit Hour Concentration (Need all four courses listed above plus the additional courses listed below.)

EDUC 4580	Instructional Content and Methods for Secondary Students	3
<i>Choose one (1) of the following courses:</i>		
EDUC 4640	Diagnosis and Remediation of Math Problems	3
EDUC 4650	Diagnosis and Remediation of Reading Problems	3
CHF 3640	Working with Parents	3

All listed requirements are subject to change. Always consult an advisor for current requirements. Courses not listed require the approval of an advisor to be counted toward the concentration.

(Revised 08/21/07)