

**EARLY CHILDHOOD - CHILDHOOD – EARLY CHILDHOOD/CHILDHOOD - CHILDHOOD INCLUSIVE  
LIBERAL ARTS CONCENTRATION**

This concentration sheet is effective Fall 2009.  
However, program requirements may be altered according to SUNY regulations.

**Art Concentration** (30 hrs.)\*

Studio Art (6 hours)	
ARTS 102 Foundations in 2-D Form & Content	3 hrs.
ARTS 105 Foundations in Drawing	3 hrs.
Foundations of Art History (6 hours)	
ARTH 101 Art in Culture to 1400	3 hrs.
ARTH 102 Art in Culture from 1400	3 hrs.
Plus <u>18</u> elective hours in Art History at the 300 and/or 400 level by advisement	18 hrs.

\* **Changes effective for Fall 2009 Registration and apply to ALL students**

**Biology Concentration** (33 hours)

BIOL 110 Human Biology	3 hrs.
BIOL 131/132 Principles of Biology I & Lab	4 hrs.
BIOL 133/134 Principles of Biology II & Lab	4 hrs.
BIOL 243/244 Biodiversity & Lab	4 hrs.
Plus <u>6</u> elective hours in Biology at the 300 and/or 400 level by advisement	6 hrs.
SCI 301 Science for Elem School Teachers I*	3 hrs.
SCI 303 Science for Elem School Teachers II*	3 hrs.
SCI 302 Science for Elem School Teachers (Lab)*	1 hr.
* Prerequisites for SCI 325	
SCI 325 Science Teaching Assistantship Labs	2 hrs.
[Take 2 consecutive semesters of SCI 325 for 1 hr. per semester OR take another 300 or 400 level Biology course by advisement]	
EDU 403 Teaching Science in the Elem School	3 hrs.

**Chemistry Concentration** (34 hours)

CHEM 115 General Chemistry I	3 hrs.
CHEM 125 General Chemistry I (Lab)	1 hr.
CHEM 116 General Chemistry II	3 hrs.
CHEM 126 General Chemistry II (Lab)	1 hr.
CHEM 215 Organic Chemistry I	3 hrs.
CHEM 225 Organic Chemistry I (Lab)	1 hr.
CHEM 216 Organic Chemistry II	3 hrs.
CHEM 226 Organic Chemistry II (Lab)	1 hr.
Plus <u>6</u> elective hours in Chemistry at the 300 and/or 400 level by advisement	6 hrs.
SCI 301 Science for Elem School Teachers I*	3 hrs.
SCI 303 Science for Elem School Teachers II*	3 hrs.
SCI 302 Science for Elem School Teachers (Lab)*	1 hr.
* Prerequisites for SCI 325	
SCI 325 Science Teaching Assistantship Labs	2 hrs.
[Take 2 consecutive semesters of SCI 325 for 1 hr. per semester OR take another 300 or 400 level Chemistry course by advisement]	
EDU 403 Teaching Science in the Elem School	3 hrs.

**Earth Science Concentration** (32-33 hours)

GEO 160 Oceanography	3 hrs.
GEO 165 Geology I	3 hrs.
GEO 169 General Geology (Lab)*	1 hr.
GEO 210 Geology II	3 hrs.
GEO 215 Minerals & Rocks*	4 hrs.
GEO 311 Global Climate	3 hrs.
GEO XXX Any 300,400 level Geology elective	3 or 4 hrs.

\* Prerequisite or corequisite - GEO 165

SCI 301 Science for Elem School Teachers I*	3 hrs.
SCI 303 Science for Elem School Teachers II*	3 hrs.
SCI 302 Science for Elem School Teachers (Lab)*	1hr.

\* Prerequisites for SCI 325

SCI 325 Science Teaching Assistantship Labs	2 hrs.
[Take 2 consecutive semesters of SCI 325 for 1 hr. per semester OR take another 300 or 400 level Geology course by advisement]	
EDU 403 Teaching Science in the Elem School	3 hrs.

**English Concentration** (30 hrs.)

ENED 357 Literacy, Lang. & Learning Theory	3 hrs.
ENED 358 Teaching Writing in Intermediate Grades	3 hrs.

[**Note:** Early Childhood majors take ENED 352 Teaching Writing in  
Primary Grades – 3 hrs. (**not** ENED 358)]

<u>One</u> of the following:	3 hrs.
ENGL 205 Epic & Romance, ENGL 207 Drama & Film, ENGL 209 Novels & Tales, ENGL 211 World Poetry	

<u>Two</u> of the following:	6 hrs.
ENED 353 Reading & Writing Children's Literature	
ENED 354 Literature for Intermediate Grades	
ENED 359 Teaching Poetry in Elem/Middle School	
Plus <u>9</u> elective hours in English at the 200 level or above (national or world literature surveys highly rec.)	9 hrs.
Plus <u>6</u> elective hours in English at the 300 or 400 level (or transfer equivalents)	6hrs.

**NOTE: For all incoming Freshmen & Transfer Students, as of Spring 2012, the English concentration has been revised. Refer to the attached revised English Concentration Sheet.**

Existing English concentrators should consult with their Academic Advisors for consideration of the revised concentration and its application.

### **French Concentration** (30 hrs.)

FREN 215 Intermediate French I	3 hrs.
FREN 216 Intermediate French II	3 hrs.
FREN 317 French Conversation	3 hrs.
FREN 318 French Composition	3 hrs.
FREN 319 Survey of French Literature I	3 hrs.
FREN 421 Advanced French Pronunciation/Diction	3 hrs.
Plus one of the following:	
FREN 315 French Masterpieces	3 hrs.
FREN 316 French Plays & Prose	3 hrs.
Plus <u>9</u> elective hours in French at the 300 and/or 400 level by advisement	9 hrs.

### **Mathematics Concentration** (34-36 hrs.)

MATH 210 Math Structures & Proof	4 hrs.
MAED 301 Mathematics for School Teachers I	3 hrs.
MAED 302 Mathematics for School Teachers II	3 hrs.
MAED 303 Mathematics for School Teachers III	3 hrs.
MAED 310 Reading and Writing Mathematics	3 hrs.
MAED 325 Software for Mathematics Education	3 hrs.
<u>One</u> of the following:	3 hrs.

- MATH 110 Math in Action
- MATH 117 Why Mathematics

One of the following sequences:

- MATH 120 / 121 Survey of Calculus I / II 6 hrs.
- MATH 122 / 123 University Calculus I / II 8 hrs.

One of the following:

- STAT 150 Statistical Ideas
- STAT 200 Statistical Methods
- STAT 350 Probability and Statistics
- EDU 402 Teaching Math in Elem School 3 hrs.

### **Music Concentration** (34 hrs.)

The music concentration is intended for those whose musical experience includes an academic background in music (i.e. knowledge of music theory and an ability to read music) and private instruction on an instrument or voice.

For existing Music Concentrators, before Fall 2012 – See attached original Music Concentration Sheet.

**NOTE: For all incoming Freshmen & Transfer Students, as of Fall 2012, the Music concentration has been revised.**

**Refer to the attached revised Music Concentration Sheet.**

Existing Music concentrators should consult with their Academic Advisors for consideration of the revised concentration and its application.

### **Physics Concentration** (35-37 hours)

PHYS 101 Contem. Physics for Non-Sci majors	3 hrs.
PHYS 121 College Physics I	3 hrs.
PHYS 122 College Physics I (Lab)	1 hr.
PHYS 123 College Physics II	3 hrs.
PHYS 124 College Physics II (Lab)	1 hr.
PHYS 311 Acoustics I	3 hrs.
PHYS 318 Basic Electronics	3 hrs.

One of the following sequences:

- MATH 120 / 121 Survey of Calculus I / II 6 hrs.
- MATH 122 / 123 University Calculus I / II 8 hrs.
- SCI 301 Science for Elem School Teachers I\* 3 hrs.
- SCI 303 Science for Elem School Teachers II\* 3 hrs.
- SCI 302 Science for Elem School Teachers (Lab)\* 1 hr.

\* Prerequisites for SCI 325

- SCI 325 Science Teaching Assistantship Labs 2 hrs.
- [Take 2 consecutive semesters of SCI 325 for 1 hr. per semester OR take another 300 or 400 level Physics course by advisement]
- EDU 403 Teaching Science in the Elem School 3 hrs.

### **Social Studies Concentration** (33 hrs.)

- HIST 105 U.S. History to 1877 3 hrs.
- HIST 106 U.S. History since 1877 3 hrs.
- Plus one of the following: 3 hrs.

- POLI 120 American Politics
- POLI 150 U.S. & World Affairs
- Plus one of the following sequences: 6 hrs.
- HIST 115 Western Civ. I & HIST 102 World Hist II
- HIST 116 Western Civ. II & HIST 101 World Hist I

- Plus one of the following: 3 hrs.
- POLI 321 Political Parties & Interest Groups
- POLI 323 Elections in America
- POLI 324 President & Congress
- POLI 356 U.S. Foreign Policy
- POLI 370 American Constitutional Law
- POLI 371 Civil Rights & Liberties

The following 12 hrs. must be at the 300 or 400 level:

- One course in American Minority Studies 3 hrs.  
(e.g. SOC 316, HIST 333, HIST 356, etc.)
- One course in Non-Western Studies 3 hrs.
- One course in European Studies 3 hrs.
- One course in U.S. History 3 hrs.
- EDU 404 Teaching Social Studies in Elem Sch 3 hrs.

### **Spanish Concentration** (30 hrs.)

- SPAN 215 Intermediate Spanish I 3 hrs.
- SPAN 216 Intermediate Spanish II 3 hrs.
- SPAN 313 Spanish Conversation 3 hrs.
- SPAN 314 Spanish Composition 3 hrs.
- SPAN 315 Intro to Readings in Hispanic Literature 3 hrs.
- Plus 15 elective hours in Spanish 15 hrs.  
at the 300 and/or 400 level by advisement

**ENGLISH CONCENTRATION**  
**EARLY CHILDHOOD - CHILDHOOD – EARLY CHILDHOOD/CHILDHOOD - CHILDHOOD INCLUSIVE**

**This concentration is effective for Spring 2012  
and applies to all incoming Freshmen and Transfer students.**

**[Revised Concentration]**

<b><u>Childhood OR Childhood Inclusive Education English Concentration</u></b>	(30 hrs)
ENED 354 Literature for the Intermediate Grades	3 hrs.
ENED 357 Literacy, Language & Learning Theory	3 hrs.
ENED 358 Teaching Writing in the Intermediate Grades	3 hrs.
<u>One</u> of the following World Lit courses:	3 hrs.
ENGL 205 Epic & Romance, ENGL 207 Drama & Film	
ENGL 209 Novels & Tales, ENGL 211 World Poetry	
<u>Plus 9</u> elective hours of ENGL at the 200-level or above (national or world lit surveys highly recommended)	9 hrs.
<u>Plus 9</u> elective hours at of ENGL or ENED at the 300-400 level (ENED 359 Teaching Poetry in Elementary and Middle School and ENED 353 Reading and Writing Children’s Literature are highly recommended)	9 hrs.

<b><u>Early Childhood Education English Concentration</u></b>	(30 hrs)
ENED 352 Teaching Writing in the Primary Grades	3 hrs.
ENED 357 Literacy, Language & Learning Theory	3 hrs.
<u>One</u> of the following World Lit courses:	3 hrs.
ENGL 205 Epic & Romance, ENGL 207 Drama & Film	
ENGL 209 Novels & Tales, ENGL 211 World Poetry	
<u>Plus 9</u> elective hours of ENGL at the 200-level or above (national or world lit surveys highly recommended)	9 hrs.
<u>Plus 12</u> elective hours at of ENGL or ENED at the 300-400 level (ENED 359 Teaching Poetry in Elementary and Middle School and ENED 353 Reading and Writing Children’s Literature are highly recommended)	12 hrs.

<b><u>Early Childhood/Childhood Education Dual Major English Concentration</u></b>	(30 hrs)
ENED 352 Teaching Writing in the Primary Grades	3 hrs.
ENED 354 Literature for the Intermediate Grades	3 hrs.
ENED 357 Literacy, Language & Learning Theory	3 hrs.
ENED 358 Teaching Writing in the Intermediate Grades	3 hrs.
<u>One</u> of the following World Lit courses:	3 hrs.
ENGL 205 Epic & Romance, ENGL 207 Drama & Film	
ENGL 209 Novels & Tales, ENGL 211 World Poetry	
<u>Plus 6</u> elective hours of ENGL at the 200-level or above (national or world lit surveys highly recommended)	6 hrs.
<u>Plus 9</u> elective hours at of ENGL or ENED at the 300-400 level (ENED 359 Teaching Poetry in Elementary and Middle School and ENED 353 Reading and Writing Children’s Literature are highly recommended)	9 hrs.

**MUSIC CONCENTRATION**  
**EARLY CHILDHOOD - CHILDHOOD – EARLY CHILDHOOD/CHILDHOOD - CHILDHOOD INCLUSIVE**

**This concentration applies only to those students who were enrolled  
BEFORE Fall 2012.**

**[Original Music Concentration]**

<b><u>Music Concentration</u></b>	(34 hrs)
MUS 121 Aural Theory I	2 hrs.
MUS 122 Aural Theory II	2 hrs.
MUS 123 Music Theory I	3 hrs.
MUS 124 Aural Theory II	3 hrs.
MUED 315 Music, Play, & Self	3 hrs.
MUS 450 Directed Studies: Musicianship I	2 hrs.
MUS 451 Directed Studies: Musicianship II	2 hrs.
Plus any <u>four</u> Music History courses at the 300 and/or 400 level by advisement	12 hrs.
Plus any <u>three</u> from the following:	3 hrs.
MUS 118 Piano Class, Elementary (1 hr.)	
MUS 217 Piano Class, Intermediate (1 hr.)	
MUS 218 Piano Class, Intermediate (1 hr.)	
MUS 317 Piano Class, Advanced (1 hr.)	
MUS 318 Piano Class, Advanced (1 hr.)	
Plus <u>one</u> of the following:	2 hrs.
MUED 210 Guitar (1hr.) & MUED 211 Guitar (1 hr.)	
or	
MUTY 270 Social Instruments (2 hrs.)	

<b>MUSIC CONCENTRATION</b> <b>EARLY CHILDHOOD - CHILDHOOD – EARLY CHILDHOOD/CHILDHOOD - CHILDHOOD INCLUSIVE</b>
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**This concentration is effective for Fall 2012  
and applies to all incoming Freshmen and Transfer students.**

**[Revised Concentration]**

**The music concentration is intended for those whose musical experience includes an academic background in music (i.e. knowledge of music theory and the ability to read music) and private instruction on an instrument or voice.**

**[NOTE: Incoming Freshmen – A placement exam for theory is available the weekend before school starts in August. Contact Music Dept. for further information. Transfer students should contact the Music Dept. for consideration.]**

**Music Concentration**

	(34 hrs)
MUS 121 Aural Theory I	2 hrs.
MUS 122 Aural Theory II	2 hrs.
MUS 123 Music Theory I	3 hrs.
MUS 124 Aural Theory II	3 hrs.
MUED 315 Music, Play, & Self	3 hrs.
MUS 450 Directed Studies: Musicianship I	2 hrs.
MUS 451 Directed Studies: Musicianship II	2 hrs.
Plus <u>one</u> of the following:	3 hrs.
MUS 263 Music History in West Civ I	
MUS 264 Music History in West Civ II	
Plus <u>one</u> of the following:	3 hrs.
MUS 265 History of Jazz	
MUS 267 African American Music	
MUS 270 History of American Popular Music, 1900-1960	
Plus any <u>two</u> Music History courses at the 300 and/or 400 level by advisement	6 hrs.
Plus any <u>three</u> from the following:	3 hrs.
[NOTE: MUS 123 is pre-requisite for piano classes. Therefore, this course must be taken <u>first</u> or approval granted by Music Dept.]	
MUS 118 Piano Class, Elementary (1 hr.)	
MUS 217 Piano Class, Intermediate (1 hr.)	
MUS 218 Piano Class, Intermediate (1 hr.)	
MUS 317 Piano Class, Advanced (1 hr.)	
MUS 318 Piano Class, Advanced (1 hr.)	
Plus <u>one</u> of the following:	2 hrs.
MUED 210 Guitar (1hr.) & MUED 211 Guitar (1 hr.)	
or	
MUTY 270 Social Instruments (2 hrs.)	