

For Academic Affairs and Research Use Only	
Proposal Number	
CIP Code:	
Degree Code:	

## PROGRAM MODIFICATION FORM

Undergraduate Curriculum Council

Graduate Council

**Modification Type:**  Admissions,  Curricular Sequence, or  Other

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

Annette Hux 11/2/2022  
**Department Curriculum Committee Chair**

Amanda Lambertus 3/13/2023  
**COPE Chair (if applicable)**

Annette Hux 11/2/2022  
**Department Chair**

Mary Jane Bradley 3/31/2023  
**Head of Unit (if applicable)**

Joanna M Grymes 2/17/2023  
**College Curriculum Committee Chair**

**Undergraduate Curriculum Council Chair**

**Director of Assessment** *(only for changes impacting assessment)*

**Graduate Curriculum Committee Chair**

Mary Jane Bradley 2/24/2023  
**College Dean**

Len Frey  
**Vice Chancellor for Academic Affairs**

**General Education Committee Chair (if applicable)**

**1. Contact Person** (Name, Email Address, Phone Number)  
 Rob Williams, rowilliams@astate.edu, 870-972-2949

**2. Proposed Change** (for undergraduate curricular changes please provide an 8-semester plan (appendix A), if applicable)

Remove ELCI 6423 Middle School Curriculum from all Educational Leadership degree programs and Curriculum and Instruction degree programs as well as the Professional Education Core Classes. It will also not be an elective option for other programs.

**3. Effective Date**

Fall 2022

**4. Justification** – *Please provide details as to why this change is necessary.*

We are planning to reduce the number of hours in the MSE Curriculum and Instruction tracks as well as in the MSE Ed Leadership Building Level Principal program from 36 to 33. Additionally, the change will reduce the EdS Curriculum Director track from 36 to 33 hours. In order to meet state and national standards, the programs have gone through revision and alignment to new standards. Our curriculum matrices indicate that ELCI 6423 can be eliminated while still being able to address all state and national standards. Additionally, all applicable concepts and standards are able to still be covered in Elementary Curriculum and Secondary School Curriculum courses which have been redesigned. This course will no longer be an option/elective for other programs as well.

## Bulletin Changes

### Instructions

**Please visit <http://www.astate.edu/a/registrar/students/bulletins/index.dot> and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Please include a before (with changed areas highlighted) and after of all affected sections.**

**\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**

(BEFORE)

Professional Education Core Courses:	Sem. Hrs.
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management <b>ELCI 6423, Middle School Curriculum</b> ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken above</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken above</i> )	3
<b>Sub-total</b>	<b>9</b>

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## Educational Leadership

### Specialist in Education Principalship Track

University Requirements:	
See Graduate Degree Policies for additional information (p. 47)	
Program Requirements:	Sem. Hrs.
Courses taken to satisfy the Master's degree requirements may not be taken again to satisfy the Specialist degree requirements.	
ELAD 6033, Administration and Supervision of Special Education	3
ELAD 6593, Supervised Internship <i>The internship must be completed during the semester in which a candidate completes the degree.</i>	3
ELAD 7003, School and Community Relations	3
ELAD 7053, Planning and Resource Allocation	3
ELAD 7173, School Law	3
ELAD 7573, Leading School Improvement	3
ELAD 7203, Ethical Leadership	3
ELCI 7063, Curriculum Management	3
ELCI 7083, Supervision and Evaluation of Teaching	3

<b>Select one of the following:</b> ELCI 6323, Elementary Curriculum ELCI 6423, Middle School Curriculum ELCI 6523, Secondary School Curriculum	3
<b>Sub-total</b>	30
<b>Total Required Hours:</b>	30

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## Physical Education

### Master of Science in Education Thesis Option

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Professional Education for Secondary Teaching Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
<b>Select one of the following:</b> ELCI 6023, Educational Media ELCI 6423, Middle School Curriculum ELCI 6523, Secondary School Curriculum ELCI 6573, Educational Measurement ELFN 6763, Philosophies of Education ( <i>if not taken above</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken above</i> )	3
<b>Sub-total</b>	6
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
<b>Select one of the following:</b> ELAD 6203, Ethical Leadership ESPE 6113, Sport Law ESPE 6133, Sport Finance	3
ESPE 6623, Measurement and Statistics	3
ESPE 6633, Curriculum Construction in Physical Education	3
ESPE 6643, Current Readings	3
ESPE 6663, Advanced Strength Training <b>OR</b> ESPE 6693, Motor Learning	3
ESPE 6673, Research Design	3
ESPE 6683, Biomechanical Analysis of Sports Skills	3
<b>Sub-total</b>	21
<b>Thesis:</b>	<b>Sem. Hrs.</b>
ESPE 6786, Thesis	6
<b>Total Required Hours:</b>	33

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## Physical Education

### Master of Science in Education Non-Thesis Option

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Professional Education for Secondary Teaching Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3

<b>Select two of the following:</b> ELAD 6203, Ethical Leadership ELCI 6023, Educational Media <b>ELCI 6423, Middle School Curriculum</b> ELCI 6523, Secondary School Curriculum ELCI 6573, Educational Measurement ELFN 6763, Philosophies of Education ( <i>if not taken above</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken above</i> )	6
<b>Sub-total</b>	<b>9</b>
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
ESPE 6113, Sport Law	3
ESPE 6133, Sport Finance and Budgeting	3
ESPE 6623, Measurement and Statistics	3
ESPE 6633, Curriculum Construction in Physical Education	3
ESPE 6643, Current Readings	3
ESPE 6663 Advanced Strength Training and Conditioning <b>OR</b> ESPE 6693, Motor Learning	3
ESPE 6673, Research Design	3
ESPE 6683, Biomechanical Analysis of Sport Skills	3
<b>Sub-total</b>	<b>24</b>
<b>Total Required Hours:</b>	<b>33</b>

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## Computer Science Education

### Master of Science in Education

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
CSED 5043, Principles of Computer Programming	3
CSED 5731, Principles of Abstract Structures	1
CSED 5231, Principles of Operating Systems	1
CSED 5241, Principles of Computer Organization	1
CSED 6113, Principles of Software Engineering	3
CSED 6713, Principles of Analysis of Algorithms	3
CSED 6723, Principles of Automata Theory	3
<b>CS Electives (select two of the following):</b> CS 5223, UNIX Systems Programming CS 5313, Computer Networks CS 5543, Database Systems	6
<b>Sub-total</b>	<b>21</b>
<b>Professional Education Core Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management <b>ELCI 6423, Middle School Curriculum</b> ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken previously</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken previously</i> )	3
<b>Sub-total</b>	<b>9</b>
<b>Total Required Hours:</b>	<b>30</b>

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# English

## Master of Science in Education

University Requirements:	
See Graduate Degree Policies for additional information (p. 47)	
Professional Education Core Courses:	Sem. Hrs.
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management <b>ELCI 6423, Middle School Curriculum</b> ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken previously</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken previously</i> )	3
<b>Sub-total</b>	<b>9</b>
Program Requirements:	Sem. Hrs.
ENG 6133, Methods of Literary Study	3
<b>Select one of the following:</b> ENG 5023, Advanced Creative Writing ENG 6013, Composition Theory ENG 6533, Teaching Writing ENG 6563, Teaching Literature ENG 6613, Graduate Seminar (with graduate advisor permission)	3
English Electives	15
<b>Sub-total</b>	<b>21</b>
<b>Total Required Hours:</b>	<b>30</b>

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# Social Science

## Master of Science in Education

University Requirements:	
See Graduate Degree Policies for additional information (p. 47)	
Professional Education Courses:	Sem. Hrs.
EDSS 6103, MSE Social Science Capstone Portfolio	3
<b>Select two of the following:</b> <b>ELCI 6423, Middle School Curriculum</b> ELCI 6523, Secondary School Curriculum ELCI 6533, Theories of Instruction ELFN 6763, Philosophies of Education ELSE 5733, Gifted Children in the Regular Classroom ELSE 6023, Characteristics of Individuals with Disabilities ELSE 6673, Children with Emotional and Behavioral Disorders MLED 6403, World of the Young Adolescent PSY 6513, Advanced Educational Psychology RDNG 6533, Literacy for Diverse Learners RDNG 6553, Adolescent Literacy TE 6243, Technology as a Tool for Teaching	6
<b>Sub-total</b>	<b>9</b>
Program Requirements:	Sem. Hrs.
<i>Six (6) of the total 33 hours may be earned in Independent Study; no more than 12 hours may be earned at the 5000 level.</i>  <i>*Students may opt to substitute an additional HIST or Education course for <u>one</u> social science elective.</i>	
HIST 6003, Introduction to Graduate Study of History	3
United States History Electives ( <i>if student takes 9 hours of US History coursework, they only need 6 hours of World History coursework</i> )	6-9
World History Electives ( <i>if student takes 9 hours of World History coursework, they only need 6 hours of US History coursework</i> )	6-9
Social Science Electives (Political Science, Geography, Sociology, Psychology, Economics)	6
<b>Sub-total</b>	<b>24</b>

<b>Total Required Hours:</b>	<b>33</b>
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## Biology

### Master of Science in Education

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Professional Education Core Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management <b>ELCI 6423, Middle School Curriculum</b> ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken previously</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken previously</i> )	3
<b>Sub-total</b>	<b>9</b>
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
Three Biological Science electives, exclusive of Independent Study, Seminar, and Thesis.	-
Electives	-
<b>Sub-total</b>	<b>21</b>
<b>Total Required Hours:</b>	<b>30</b>

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## Chemistry

### Master of Science in Education

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Professional Education Core Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management <b>ELCI 6423, Middle School Curriculum</b> ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken previously</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken previously</i> )	3
<b>Sub-total</b>	<b>9</b>
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
CHEM 5224, Instrumentation	4
CHEM 6353, Advanced Analytical Chemistry	3
CHEM 6393, Advanced Organic Chemistry	3
CHEM 6403, Advanced Inorganic Chemistry	3
Chemistry or Approved Electives	8
<b>Sub-total</b>	<b>21</b>
<b>Total Required Hours:</b>	<b>30</b>

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## Mathematics

### Master of Science in Education

University Requirements:	
See Graduate Degree Policies for additional information (p. 47)	
Professional Education Core Courses:	
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management <b>ELCI 6423, Middle School Curriculum</b> ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken previously</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken previously</i> )	3
<b>Sub-total</b>	<b>9</b>
Program Requirements:	
Approved MATH/STAT Electives	21
<b>Total Required Hours:</b>	<b>30</b>

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**(AFTER)**

Professional Education Core Courses:	
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken above</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken above</i> )	3
<b>Sub-total</b>	<b>9</b>

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## Educational Leadership

### Specialist in Education Principalship Track

University Requirements:	
See Graduate Degree Policies for additional information (p. 47)	
Program Requirements:	
Courses taken to satisfy the Master's degree requirements may not be taken again to satisfy the Specialist degree requirements.	
ELAD 6033, Administration and Supervision of Special Education	3
ELAD 6593, Supervised Internship <i>The internship must be completed during the semester in which a candidate completes the degree.</i>	3
ELAD 7003, School and Community Relations	3
ELAD 7053, Planning and Resource Allocation	3
ELAD 7173, School Law	3
ELAD 7573, Leading School Improvement	3
ELAD 7203, Ethical Leadership	3

Form Revised: 08/06/2019



ELCI 7063, Curriculum Management	3
ELCI 7083, Supervision and Evaluation of Teaching	3
<b>Select one of the following:</b> ELCI 6323, Elementary Curriculum ELCI 6523, Secondary School Curriculum	3
<b>Sub-total</b>	<b>30</b>
<b>Total Required Hours:</b>	<b>30</b>

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## Physical Education

### Master of Science in Education Thesis Option

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Professional Education for Secondary Teaching Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
<b>Select one of the following:</b> ELCI 6023, Educational Media ELCI 6523, Secondary School Curriculum ELCI 6573, Educational Measurement ELFN 6763, Philosophies of Education ( <i>if not taken above</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken above</i> )	3
<b>Sub-total</b>	<b>6</b>
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
<b>Select one of the following:</b> ELAD 6203, Ethical Leadership ESPE 6113, Sport Law ESPE 6133, Sport Finance	3
ESPE 6623, Measurement and Statistics	3
ESPE 6633, Curriculum Construction in Physical Education	3
ESPE 6643, Current Readings	3
ESPE 6663, Advanced Strength Training <b>OR</b> ESPE 6693, Motor Learning	3
ESPE 6673, Research Design	3
ESPE 6683, Biomechanical Analysis of Sports Skills	3
<b>Sub-total</b>	<b>21</b>
<b>Thesis:</b>	<b>Sem. Hrs.</b>
ESPE 6786, Thesis	6
<b>Total Required Hours:</b>	<b>33</b>

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## Physical Education

### Master of Science in Education Non-Thesis Option

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Professional Education for Secondary Teaching Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3

<b>Select two of the following:</b> ELAD 6203, Ethical Leadership ELCI 6023, Educational Media ELCI 6523, Secondary School Curriculum ELCI 6573, Educational Measurement ELFN 6763, Philosophies of Education ( <i>if not taken above</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken above</i> )	6
<b>Sub-total</b>	<b>9</b>
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
ESPE 6113, Sport Law	3
ESPE 6133, Sport Finance and Budgeting	3
ESPE 6623, Measurement and Statistics	3
ESPE 6633, Curriculum Construction in Physical Education	3
ESPE 6643, Current Readings	3
ESPE 6663 Advanced Strength Training and Conditioning <b>OR</b> ESPE 6693, Motor Learning	3
ESPE 6673, Research Design	3
ESPE 6683, Biomechanical Analysis of Sport Skills	3
<b>Sub-total</b>	<b>24</b>
<b>Total Required Hours:</b>	<b>33</b>

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## Computer Science Education

### Master of Science in Education

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
CSED 5043, Principles of Computer Programming	3
CSED 5731, Principles of Abstract Structures	1
CSED 5231, Principles of Operating Systems	1
CSED 5241, Principles of Computer Organization	1
CSED 6113, Principles of Software Engineering	3
CSED 6713, Principles of Analysis of Algorithms	3
CSED 6723, Principles of Automata Theory	3
<b>CS Electives (select two of the following):</b> CS 5223, UNIX Systems Programming CS 5313, Computer Networks CS 5543, Database Systems	6
<b>Sub-total</b>	<b>21</b>
<b>Professional Education Core Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken previously</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken previously</i> )	3
<b>Sub-total</b>	<b>9</b>
<b>Total Required Hours:</b>	<b>30</b>

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# English

## Master of Science in Education

University Requirements:	
See Graduate Degree Policies for additional information (p. 47)	
Professional Education Core Courses:	
	Sem. Hrs.
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken previously</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken previously</i> )	3
<b>Sub-total</b>	<b>9</b>
Program Requirements:	
	Sem. Hrs.
ENG 6133, Methods of Literary Study	3
<b>Select one of the following:</b> ENG 5023, Advanced Creative Writing ENG 6013, Composition Theory ENG 6533, Teaching Writing ENG 6563, Teaching Literature ENG 6613, Graduate Seminar (with graduate advisor permission)	3
English Electives	15
<b>Sub-total</b>	<b>21</b>
<b>Total Required Hours:</b>	<b>30</b>

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# Social Science

## Master of Science in Education

University Requirements:	
See Graduate Degree Policies for additional information (p. 47)	
Professional Education Courses:	
	Sem. Hrs.
EDSS 6103, MSE Social Science Capstone Portfolio	3
<b>Select two of the following:</b> ELCI 6523, Secondary School Curriculum ELCI 6533, Theories of Instruction ELFN 6763, Philosophies of Education ELSE 5733, Gifted Children in the Regular Classroom ELSE 6023, Characteristics of Individuals with Disabilities ELSE 6673, Children with Emotional and Behavioral Disorders MLED 6403, World of the Young Adolescent PSY 6513, Advanced Educational Psychology RDNG 6533, Literacy for Diverse Learners RDNG 6553, Adolescent Literacy TE 6243, Technology as a Tool for Teaching	6
<b>Sub-total</b>	<b>9</b>
Program Requirements:	
	Sem. Hrs.
<i>Six (6) of the total 33 hours may be earned in Independent Study; no more than 12 hours may be earned at the 5000 level.</i>	
<i>*Students may opt to substitute an additional HIST or Education course for <u>one</u> social science elective.</i>	
HIST 6003, Introduction to Graduate Study of History	3
United States History Electives ( <i>if student takes 9 hours of US History coursework, they only need 6 hours of World History coursework</i> )	6-9
World History Electives ( <i>if student takes 9 hours of World History coursework, they only need 6 hours of US History coursework</i> )	6-9
Social Science Electives (Political Science, Geography, Sociology, Psychology, Economics)	6
<b>Sub-total</b>	<b>24</b>

<b>Total Required Hours:</b>	<b>33</b>
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## Biology

### Master of Science in Education

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Professional Education Core Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken previously</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken previously</i> )	3
<b>Sub-total</b>	<b>9</b>
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
Three Biological Science electives, exclusive of Independent Study, Seminar, and Thesis.	-
Electives	-
<b>Sub-total</b>	<b>21</b>
<b>Total Required Hours:</b>	<b>30</b>

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## Chemistry

### Master of Science in Education

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Professional Education Core Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken previously</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken previously</i> )	3
<b>Sub-total</b>	<b>9</b>
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
CHEM 5224, Instrumentation	4
CHEM 6353, Advanced Analytical Chemistry	3
CHEM 6393, Advanced Organic Chemistry	3
CHEM 6403, Advanced Inorganic Chemistry	3
Chemistry or Approved Electives	8
<b>Sub-total</b>	<b>21</b>
<b>Total Required Hours:</b>	<b>30</b>

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## Mathematics

**Master of Science in Education**

<b>University Requirements:</b>	
See Graduate Degree Policies for additional information (p. 47)	
<b>Professional Education Core Courses:</b>	<b>Sem. Hrs.</b>
ELFN 6763, Philosophies of Education <b>OR</b> PSY 6513, Advanced Educational Psychology	3
ELFN 6773, Introduction to Statistics and Research	3
<b>Select one of the following:</b> ELCI 6063, Curriculum Management ELCI 6523, Secondary School Curriculum ELFN 6763, Philosophies of Education ( <i>if not taken previously</i> ) PSY 6513, Advanced Educational Psychology ( <i>if not taken previously</i> )	3
<b>Sub-total</b>	<b>9</b>
<b>Program Requirements:</b>	<b>Sem. Hrs.</b>
Approved MATH/STAT Electives	21
<b>Total Required Hours:</b>	<b>30</b>

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## Appendix A, 8-Semester Plan (Referenced in #2 - Undergraduate Proposals Only)

*Instructions: Please identify new courses in italics.*

Arkansas State University-Jonesboro							
Degree:							
Major:							
Year:							
<p>Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. <b>Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters.</b> A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree.</p>							
Year 1				Year 1			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
Total Hours				Total Hours			
Year 2				Year 2			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
Total Hours				Total Hours			
Year 3				Year 3			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
Total Hours				Total Hours			
Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
Total Hours				Total Hours			
<b>Total Jr/Sr Hours</b> _____				<b>Total Degree Hours</b> _____			
<b>Graduation Requirements:</b>							