

# English and Teacher Certification

## ~~Bachelor of Arts in English with Certification for Secondary Education~~

~~All candidates for certification to teach English must enroll in a program in the College of Education involving Level I, Level II, and Level III coursework plus student teaching. See the Division of Teaching and Learning in this Bulletin for information.~~

~~In addition to the requirements for the B.A. in English, students must meet the following requirements for secondary certification:~~

~~Two courses in American literature. This requirement may be met by courses counted for the major.~~

~~American literature must include a unit or course in the literature of ethnic groups.~~

~~American literature must include a unit or course in literature for adolescents.~~

~~Twelve hours in composition and rhetoric:~~

<del>ENGL 1100</del>	<del>First-Year Writing (may be counted)</del>	<del>3</del>
<del>ENGL 3090</del>	<del>Writing about Literature (is required)</del>	<del>3</del>
<del>ENGL/SEC ED 4880</del>	<del>Writing For Teachers (is required)</del>	<del>3</del>
<del>Recommended courses include creative writing, journalism, and business writing</del>		<del>3</del>
<del>Total Hours</del>		<del>12</del>

### ~~English language requirements~~

- ~~1. ENGL 2810, Traditional Grammar Students with sufficient background may gain exemption from the ENGL 2810 requirement by passing the English-Education Test of Basic Grammar. This test may be taken only twice. Certification candidates must pass ENGL 2810 or the Test of Basic Grammar before applying for student teaching.~~

~~2. ENGL 4810, English Grammar~~

~~3. ENGL 4800, Linguistics, or ENGL 4820, History of the English Language~~

## **~~Bachelor of Science in Secondary Education with an Emphasis Area in English~~**

~~All candidates for certification to teach English must enroll in a program in the College of Education involving Level I, Level II, and Level III coursework plus student teaching. See the Division of Teaching and Learning in this Bulletin for information.~~

~~The required courses in English and professional education are the same as those for the B.A. with certification for secondary education. However, students fulfill the general education requirements of the College of Education rather than those of the College of Arts and Sciences. For example, students seeking the B.S. in Education are not required to study a foreign language.~~

## **~~Certification to Teach Secondary Speech and Drama~~**

~~All candidates for certification to teach Speech and Drama must enroll in a program in the College of Education involving Level I, Level II, and Level III coursework plus student teaching. See the Division of Teaching and Learning in this Bulletin for information.~~

~~In addition, undergraduates who wish to be certified to teach Speech and Drama must meet the requirements for a major in Communication as well as requirements set by the Theatre faculty.~~

## **B.S. Ed. in Secondary Education with Emphasis in English**

The B.S. Ed. is a professional education degree designed for students who wish to pursue a teaching career in secondary schools. Much of the discipline-specific coursework parallels the B.A. or B.S. degree in the discipline; however, the Missouri Department of Elementary and Secondary Education (DESE) requires specific coursework for teacher certification. Therefore, students interested in the B.S. Ed. should contact the advising office (OASIS) 314-516-5937 in the College of Education for discipline-specific requirements. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## **B.A. or in English with Master's Level Coursework for Secondary Teacher Certification**

In addition to the B.S. Ed., students may opt to complete a B.A. or B.S. degree in their discipline as an undergraduate, followed by admission to the Graduate School for Master's level teaching certification. The College of Education has a one-year accelerated program for post-graduate certification called Teach in 12, or students can choose a traditional path to certification. Graduate coursework for certification can apply towards a Master's Degree in Secondary Education, with additional coursework. Students interested in Master's Level teacher certification should contact the advising office (OASIS) 314-516-5937 in the College of Education. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## **Modern Language and Teacher Certification**

### **~~Bachelor of Science in Education~~**

~~Those students seeking the B.S.Ed. degree, with a concentration in a modern language, are required to complete 30 hours of work (excluding credit for Language 1001 and 1002) of which 9 hours must be on the 4000 level. Students working toward a degree in elementary education, with related work in a modern language, should consult the College of Education concerning their program.~~

### **~~Post-Baccalaureate Certification Students~~**

~~Students who have a bachelor's degree and are seeking teacher certification in a language must have completed 30 hours in that language and will be required to take the Simulated Oral Proficiency Interview exam to determine proficiency. Students who do not demonstrate sufficient proficiency will be required to take additional coursework in the language.~~

### **B.S. Ed. in Secondary Education with Emphasis in a Foreign Language**

The B.S. Ed. is a professional education degree designed for students who wish to pursue a teaching career in secondary schools. Much of the discipline-specific coursework parallels the B.A. degree in the language; however, the Missouri

Department of Elementary and Secondary Education (DESE) requires specific coursework for teacher certification. Therefore, students interested in the B.S. Ed. should contact the advising office (OASIS) 314-516-5937 in the College of Education for discipline-specific requirements. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## **B.A. in a Foreign Language with Master's Level Coursework for Secondary Teacher Certification**

In addition to the B.S. Ed., students may opt to complete a B.A. or B.S. degree in their discipline as an undergraduate, followed by admission to the Graduate School for Master's level teaching certification. The College of Education has a one-year accelerated program for post-graduate certification called Teach in 12, or students can choose a traditional path to certification. Graduate coursework for certification can apply towards a Master's Degree in Secondary Education, with additional coursework. Students interested in Master's Level teacher certification should contact the advising office (OASIS) 314-516-5937 in the College of Education. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## **History and Teacher Certification**

### **~~Bachelor of Arts in History with Teacher Certification~~**

~~Students majoring in History may earn Social Studies Teacher Certification as follows:~~

#### **~~Social Studies~~**

~~Teacher certification students must complete the major and meet these minimum social science requirements:~~

<del>American History, including:</del>	<del>12</del>
<del><u>SEC ED 4013</u></del>	<del>United States History For The Secondary Classroom</del>
<del>European or World History, including:</del>	<del>9</del>
<del><u>HIST 4014</u></del>	<del>World History For The Secondary Classroom</del>

<del>United States and/or State Government, including:</del>	<del>6</del>
<del><u>POL SCI/SEC ED 4090 American Government For The Secondary Classroom</u></del>	
<del>Behavioral Science</del>	<del>6</del>
<del>Economics</del>	<del>3</del>
<del>Geography</del>	<del>3</del>
<del>Social Studies Elective</del>	<del>2</del>
<del><b>Total Hours</b></del>	<del><b>41</b></del>

~~Social science methods course is SEC ED 4011.~~

~~For emphasis area advising, you must see a History/Social Studies advisor. You must also see an advisor in the College of Education regarding Education requirements.~~

~~For more information, refer to the Secondary Education in this Bulletin.~~

## ~~**Bachelor of Science in Education: Emphasis in Social Studies**~~

~~The history requirements are the same as for the B.A. degree except students fulfill the College of Education general education requirements rather than those of the College of Arts and Sciences. For information, refer to the College of Education section in this Bulletin.~~

## **B.S. Ed. in Secondary Education with Emphasis in History**

The B.S. Ed. is a professional education degree designed for students who wish to pursue a teaching career in secondary schools. Much of the discipline-specific coursework parallels the B.A. degree in the discipline; however, the Missouri Department of Elementary and Secondary Education (DESE) requires specific coursework for teacher certification. Therefore, students interested in the B.S. Ed. should contact the advising office (OASIS) 314-516-5937 in the College of Education for discipline-specific requirements. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## **B.A. in Political Science with Master's Level Coursework for Secondary Teacher Certification**

In addition to the B.S. Ed., students may opt to complete a B.A. degree in their discipline as an undergraduate, followed by admission to the Graduate School for Master's level teaching certification. The College of Education has a one-year accelerated program for post-graduate certification called Teach in 12, or students can choose a traditional path to certification. Graduate coursework for certification can apply towards a Master's Degree in Secondary Education, with additional coursework. Students interested in Master's Level teacher certification should contact the advising office (OASIS) 314-516-5937 in the College of Education. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## **Political Science and Teacher Certification**

### ~~**Bachelor of Arts with Teacher Certification**~~

~~For information, refer to the Secondary Education section in this Bulletin.~~

### ~~**Bachelor of Science in Education: Emphasis in Social Studies**~~

~~The Political Science requirements are the same as for the B.A. degree except students fulfill the College of Education general education requirements rather than those of the College of Arts and Sciences. For information, refer to the College of Education section in this Bulletin.~~

### **B.S. Ed. in Secondary Education with Emphasis in Political Science**

The B.S. Ed. is a professional education degree designed for students who wish to pursue a teaching career in secondary schools. Much of the discipline-specific coursework parallels the B.A. degree in the discipline; however, the Missouri Department of Elementary and Secondary Education (DESE) requires specific coursework for teacher certification. Therefore, students interested in the B.S. Ed. should contact the advising office (OASIS) 314-516-5937 in the College of Education for discipline-specific requirements. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

### **B.A. in Political Science with Master's Level Coursework for Secondary Teacher Certification**

In addition to the B.S. Ed., students may opt to complete a B.A. degree in their discipline as an undergraduate, followed by admission to the Graduate School for Master's level teaching certification. The College of Education has a one-year accelerated program for post-graduate certification called Teach in 12, or students can choose a traditional path to certification. Graduate coursework for certification can apply towards a Master's Degree in Secondary Education, with additional coursework. Students interested in Master's Level teacher certification should contact the advising office (OASIS) 314-516-5937 in the College of Education. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## Biology and Teacher Certification

### ~~Bachelor of Science in Education with Emphasis in Biology~~

~~The B.S. Ed. is a professional degree designed for individuals who wish to pursue a teaching career in biology in the secondary schools. The biology requirements parallel those for the B.A. degree with the exception that SEC ED 4985, Curriculum and Methods of Teaching Life Sciences, and BIOL 4986, Laboratory in Teaching Life Sciences, are substituted for BIOL 4889, Senior Seminar. Students must also fulfill the requirements for the B.S. Ed. degree as prescribed by the College of Education.~~

### ~~Bachelor of Arts in Biology with Teacher Certification~~

~~Biology majors interested in teaching biology in secondary schools may obtain teacher certification in cooperation with the College of Education by fulfilling the B.A. or B.S. with certain prescribed courses in biology, with the exception of BIOL 4889, Senior Seminar, and in addition, completing the following courses:~~

<del>PSYCH 1003</del>	<del>General Psychology</del>	<del>3</del>
<del>TCH ED 2209</del>	<del>Foundations of Teaching in American Schools</del>	<del>3</del>
<del>ENGL 3160</del>	<del>Writing In The Sciences</del>	<del>3</del>
<del>Select one of the following:</del>		<del>3</del>
<del>HIST 1001</del>	<del>American Civilization To 1865</del>	

<del>HIST 1002</del>	<del>American Civilization 1865 To Present</del>	
<del>HIST 1003</del>	<del>African-American History</del>	
<del>POL SCI 1100</del>	<del>Introduction To American Politics</del>	<del>3</del>
<del>PHIL 3380</del>	<del>Philosophy Of Science</del>	<del>3</del>
<del>COMM 1040</del>	<del>Introduction To Public Speaking</del>	<del>3</del>
<del>TH DAN 1210</del>	<del>Course TH DAN 1210 Not Found</del>	<del>3</del>
<del>GEOL 1001</del>	<del>General Geology</del>	<del>4</del>
<del>ATM SCI 1001</del>	<del>Elementary Meteorology</del>	<del>4</del>
<del>ED PSY 3312</del>	<del>Psychology of Learning, Instruction, and Assessment</del>	<del>3</del>
<del>TCH ED 3310</del>	<del>Introduction to Methods of Teaching</del>	<del>3</del>
<del>TCH ED 4391</del>	<del>Literacy for Adolescent Learners in Content Areas</del>	<del>3</del>
<del>Content Areas</del>		
<del>SEC ED 4985</del>	<del>Curriculum And Methods Of Teaching Life Sciences</del>	<del>4</del>
<del>BIOL 4986</del>	<del>Laboratory In Teaching Life Sciences</del>	<del>2</del>
<del>SEC ED 4990</del>	<del>Practicum II: Site-Based Experience</del>	<del>12</del>
<del>SEC ED 4999</del>	<del>Biology Science Teaching Seminar</del>	<del>3</del>
<b>Total Hours</b>		<b>62</b>

## B.S. Ed. in Secondary Education with Emphasis in Biology

The B.S. Ed. is a professional education degree designed for students who wish to pursue a teaching career in secondary schools. Much of the discipline-specific coursework parallels the B.A. or B.S. degree in the discipline; however, the Missouri Department of Elementary and Secondary Education (DESE) requires specific coursework for teacher certification. Therefore, students interested in the B.S. Ed. should contact the advising office (OASIS) 314-516-5937 in the College of Education for discipline-specific requirements. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*



## B.A. or B.S. in Biology with Master's Level Coursework for Secondary Teacher Certification

In addition to the B.S. Ed., students may opt to complete a B.A. or B.S. degree in their discipline as an undergraduate, followed by admission to the Graduate School for Master's level teaching certification. The College of Education has a one-year accelerated program for post-graduate certification called Teach in 12, or students can choose a traditional path to certification. Graduate coursework for certification can apply towards a Master's Degree in Secondary Education, with additional coursework. Students interested in Master's Level teacher certification should contact the advising office (OASIS) 314-516-5937 in the College of Education. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## Chemistry and Teacher Certification

### ~~Degrees with Certification to Teach Chemistry in Secondary Schools~~

~~One can be certified to teach chemistry at the secondary level with a degree either in Education or in Chemistry. All candidates for certification must enroll in a program that includes Levels I, II, and III course work in the College of Education. The Missouri Department of Elementary and Secondary Education requires that candidates for certification to teach secondary chemistry complete certain Science Core Courses and specialized courses in chemistry~~

#### ~~Science Core Courses~~

<del><u>PHIL 3380</u></del>	<del>Philosophy Of Science</del>	<del>3</del>
<del><u>BIOL 1831</u></del>	<del>Introductory Biology: From Molecules To Organisms</del>	<del>5</del>
<del><u>CHEM 1111</u></del>	<del>Introductory Chemistry I</del>	<del>5</del>
<del><u>CHEM 1121</u></del>	<del>Introductory Chemistry II</del>	<del>5</del>
<del><u>BIOL 1202</u></del>	<del>Environmental Biology</del>	<del>3</del>
<del><u>PHYSICS 2111</u></del>	<del>Physics: Mechanics And Heat</del>	<del>5</del>
<del>Select one of the following:</del>		<del>4</del>
<del><u>GEOL 1001</u></del>	<del>General Geology</del>	

<del>ATM SCI 1001</del>	<del>Elementary Meteorology</del>	
<del>ASTRON 1001</del>	<del>Cosmic Evolution Introductory Astronomy</del>	
<del>or equivalent</del>		
<del>Chemistry Endorsement</del>		
<del>CHEM 2223</del>	<del>Quantitative Analysis</del>	<del>3</del>
<del>CHEM 2612</del>	<del>Organic Chemistry I</del>	<del>3</del>
<del>CHEM 2622</del>	<del>Organic Chemistry II</del>	<del>3</del>
<del>CHEM 2633</del>	<del>Organic Chemistry Laboratory</del>	<del>2</del>
<del>CHEM 3312</del>	<del>Physical Chemistry I</del>	<del>3</del>
<del>or CHEM 3302</del>	<del>Physical Chemistry For The Life Sciences</del>	
<del>CHEM 4712</del>	<del>Biochemistry</del>	<del>3</del>
<del>SEC ED 4837</del>	<del>Chemistry/Physics Teaching Seminar</del>	<del>2</del>
<del>SEC ED 4989</del>	<del>Practicum I: Site Based Experience</del>	<del>3</del>
<del>SEC ED 4990</del>	<del>Practicum II: Site Based Experience</del>	<del>12</del>
<del>Total Hours</del>		<del>64</del>

### **~~Bachelor of Arts in Chemistry with Teacher Certification~~**

~~Students must complete the B.A. in chemistry requirements, as well as the requirements for teacher certification. (See the College of Education section of this Bulletin.) There are a few science courses beyond the minimum listed above.~~

<del>PHYSICS 2112</del>	<del>Physics: Electricity, Magnetism, And Optics</del>	<del>5</del>
<del>CHEM 3322</del>	<del>Physical Chemistry II</del>	<del>3</del>
<del>CHEM 3333</del>	<del>Physical Chemistry Laboratory I</del>	<del>2</del>
<del>CHEM 3412</del>	<del>Basic Inorganic Chemistry</del>	<del>2</del>
<del>Total Hours</del>		<del>12</del>

~~Students earning BA or BS degrees in chemistry must achieve a GPA of 2.0 or higher for the combination of chemistry courses and required related area courses~~

### **B.S. Ed. in Secondary Education with Emphasis in Chemistry**

The B.S. Ed. is a professional education degree designed for students who wish to

pursue a teaching career in secondary schools. Much of the discipline-specific coursework parallels the B.A. or B.S. degree in the discipline; however, the Missouri Department of Elementary and Secondary Education (DESE) requires specific coursework for teacher certification. Therefore, students interested in the B.S. Ed. should contact the advising office (OASIS) 314-516-5937 in the College of Education for discipline-specific requirements. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

### **B.A. or B.S. in Chemistry with Master's Level Coursework for Secondary Teacher Certification**

In addition to the B.S. Ed., students may opt to complete a B.A. or B.S. degree in their discipline as an undergraduate, followed by admission to the Graduate School for Master's level teaching certification. The College of Education has a one-year accelerated program for post-graduate certification called Teach in 12, or students can choose a traditional path to certification. Graduate coursework for certification can apply towards a Master's Degree in Secondary Education, with additional coursework. Students interested in Master's Level teacher certification should contact the advising office (OASIS) 314-516-5937 in the College of Education. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## **Physics and Teacher Certification**

### ~~**B.S. degree in Physics, Physics Education Option and B.S. degree in Secondary Education with an Emphasis in Physics.**~~

~~The course sequence below meets the science requirements for Missouri certification for teaching physics at the secondary school level. All candidates must enroll in a program that includes Levels I, II, and III coursework in the College of Education, which includes one semester as a Teacher Intern and one semester of full-time Student Teaching. In addition, students must complete the following Science Core Courses and the courses listed under Physics Endorsement:~~

## Science Core Courses

<u>PHIL 3380</u>	Philosophy Of Science	3
<u>BIOL 1831</u>	Introductory Biology: From Molecules To Organisms	5
<u>BIOL 2102</u>	General Ecology	3
<u>CHEM 1111</u>	Introductory Chemistry I	5
<u>CHEM 1121</u>	Introductory Chemistry II	5
<u>PHYSICS 2111</u>	Physics: Mechanics And Heat	5
<u>PHYSICS 2112</u>	Physics: Electricity, Magnetism, And Optics	5
Select one of the following:		4
<u>GEOL 1001</u>	General Geology	
<u>ATM SCI 1001</u>	Elementary Meteorology	
<u>ASTRON10XX</u>		

## Physics Endorsement

<u>PHYSICS 3200</u>	Mathematical Methods Of Theoretical Physics	3
<u>PHYSICS 3221</u>	Mechanics	3
<u>PHYSICS 3223</u>	Electricity And Magnetism	3
<u>PHYSICS 3231</u>	Introduction To Modern Physics I	3
<u>PHYSICS 4310</u>	Modern Electronics	3
<u>PHYSICS 4311</u>	Advanced Physics Laboratory I	3
<u>SEC ED 3240</u>	Curriculum And Methods Of Teaching Physical Sciences	3
<u>SEC ED 4837</u>	Chemistry/Physics Teaching Seminar	2

## B.S. Ed. in Secondary Education with Emphasis in Physics

The B.S. Ed. is a professional education degree designed for students who wish to pursue a teaching career in secondary schools. Much of the discipline-specific coursework parallels the B.A. or B.S. degree in the discipline; however, the Missouri Department of Elementary and Secondary Education (DESE) requires specific coursework for teacher certification. Therefore, students interested in the B.S. Ed. should contact the advising office (OASIS) 314-516-

5937 in the College of Education for discipline-specific requirements. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## **B.A. or B.S. in Physics with Master's Level Coursework for Secondary Teacher Certification**

In addition to the B.S. Ed., students may opt to complete a B.A. or B.S. degree in their discipline as an undergraduate, followed by admission to the Graduate School for Master's level teaching certification. The College of Education has a one-year accelerated program for post-graduate certification called Teach in 12, or students can choose a traditional path to certification. Graduate coursework for certification can apply towards a Master's Degree in Secondary Education, with additional coursework. Students interested in Master's Level teacher certification should contact the advising office (OASIS) 314-516-5937 in the College of Education. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

## **Mathematics and Teacher Certification**

### ~~**B.S.Ed. in Secondary Education with emphasis in mathematics.**~~

~~In addition to the core requirements and the required education courses, three mathematics/statistics courses at the 4000 level or higher must be completed.~~

~~Of these, one must be, Introduction to Abstract Algebra, and one must be chosen from:~~

~~MATH 4660, Foundations of Geometry or MATH 4670, Introduction to Non-Euclidean Geometry~~

### **B.S. Ed. in Secondary Education with Emphasis in Mathematics**

The B.S. Ed. is a professional education degree designed for students who wish to pursue a teaching career in secondary schools. Much of the discipline-

specific coursework parallels the B.A. or B.S. degree in the discipline; however, the Missouri Department of Elementary and Secondary Education (DESE) requires specific coursework for teacher certification. Therefore, students interested in the B.S. Ed. should contact the advising office (OASIS) 314-516-5937 in the College of Education for discipline-specific requirements. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

### **B.A. or B.S. in Mathematics with Master's Level Coursework for Secondary Teacher Certification**

In addition to the B.S. Ed., students may opt to complete a B.A. or B.S. degree in their discipline as an undergraduate, followed by admission to the Graduate School for Master's level teaching certification. The College of Education has a one-year accelerated program for post-graduate certification called Teach in 12, or students can choose a traditional path to certification. Graduate coursework for certification can apply towards a Master's Degree in Secondary Education, with additional coursework. Students interested in Master's Level teacher certification should contact the advising office (OASIS) 314-516-5937 in the College of Education. *Note: To obtain teaching certification, DESE requires a 3.0 GPA in the discipline and professional education coursework, as well as a 2.75 GPA overall.*

Sign-offs from other departments affected by this proposal

None

Rationale

COE changes to certification options