

Secondary Education

The Secondary Education program aligns with the College of Education Core Standards of Teacher Education and the Conceptual Framework. In addition, the program graduates teachers who exemplify the following guiding principles. The Secondary Educator:

1. Is a content area expert able to represent subject matter in multiple ways to ensure depth of student understanding.
2. Ensures curriculum alignment with state and national student achievement standards.
3. Uses all appropriate tools and techniques of teaching to guide and assess student learning.
4. Provides consistent opportunities for all students to learn and adapts instruction to meet the needs of diverse learners.
5. Fosters family and community relationships that promote student learning.

Bachelor of Arts or Bachelor of Science in Secondary Education

Summary of Requirements for a Bachelor of Arts or a Bachelor of Science degree in Secondary Education:

1. Completion of University's General Education Requirements (see General Education Requirements (<http://coursecat.isu.edu/undergraduate/academicinformation/generaleducation>) and Applying to Graduate (<http://coursecat.isu.edu/undergraduate/applyingtograduate>) in the Academic Information section of this catalog).
2. Completion of a subject teaching endorsement of at least 30 semester credit hours as recommended by the subject department and approved by the College of Education, and completion of a subject teaching endorsement of at least 20 semester credit hours as recommended by the subject department and approved by the College of Education, OR completion of a single subject teaching endorsement of at least 45 semester credit hours as recommended by the subject department and approved by the College of Education.
3. Completion of the Professional Education Core, and the Required Secondary Education Course, listed below.

Professional Education Core

Some of these courses are required to be taken before entering the Teacher Education Program.

EDUC 2201	Development and Individual Differences	3
EDUC 2204	Families Community Culture	3
EDUC 2215	Using Technology in a Digital World	3
EDUC 3301	Inquiring Thinking Knowing	3
EDUC 3302	Motivation and Management	3
EDUC 3308	Foundations of Educational Knowledge, Planning, and Assessment	3
EDUC 3311	Instructional Technology	3
SPED 3350	Creating Inclusive Classrooms	3
EDUC 4408	Pre-Internship Field Experience Seminar	3

EDUC 4496	Secondary Education Student Teaching Internship	14
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Required Secondary Education Course

EDUC 4401	Content Area Literacy	3
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Requirements for Secondary Education Certification Only

1. Completion of a subject teaching endorsement of at least 30 semester credit hours, as recommended by the subject department and approved by the College of Education, and a subject teaching endorsement of at least 20 semester credit hours, as recommended by the subject department and approved by the College of Education, OR completion of a single subject teaching endorsement of at least 45 semester credit hours as recommended by the subject department and approved by the College of Education.
2. Completion of the Professional Education Core and Student Teaching Internship:

EDUC 2201	Development and Individual Differences	3
EDUC 2204	Families Community Culture	3
EDUC 3301	Inquiring Thinking Knowing	3
EDUC 3302	Motivation and Management	3
EDUC 3308	Foundations of Educational Knowledge, Planning, and Assessment	3
EDUC 3311	Instructional Technology	3
SPED 3350	Creating Inclusive Classrooms	3
EDUC 4408	Pre-Internship Field Experience Seminar	3
EDUC 4496	Secondary Education Student Teaching Internship	14

3. Completion of Secondary Education Required Course:

EDUC 4401	Content Area Literacy	3
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Secondary Education 20 and 30 Credit Teaching Endorsements

American Government 30 Credit Endorsement

Credits selected from the Political Science core curriculum (excluding POLS 4460)¹

HIST 1118	US History and Culture	3
HIST 4418	United States History for Teachers	3

¹ Political Science core curriculum courses are listed in the Political Science (<http://coursecat.isu.edu/undergraduate/artsandletters/politicalscience/#programstext>) section within the College of Arts and Letters.

American Government 20 Credit Endorsement

HIST 1118	US History and Culture	3
HIST 4418	United States History for Teachers	3
POLS 1101	Introduction to United States Government	3
POLS 3313	Introduction to Political Philosophy	3

POLS 3331	Comparative Politics Framework for Analysis	3
POLS 4403 or POLS 4404	The Presidency The Legislative Process	3
Select ONE of the following:		3
POLS 4401	Political Parties and Groups	
POLS 4427	Voting and Public Opinion	
POLS 4443	Civil Rights and Liberties	

Biological Sciences 30 Credit Endorsement

MATH 1160 or MATH 1153	Applied Calculus Introduction to Statistics	3
BIOL 1101 & 1101L	Biology I and Biology I Lab	4
BIOL 1102 & 1102L	Biology II and Biology II Lab	4
BIOL 2206 & BIOL 2207	Cell Biology and Cell Biology Laboratory ¹	4
BIOL 2209 & 2209L	General Ecology and General Ecology Laboratory	4
BIOL 3358	Genetics	3
BIOL 4413	Biology Teaching Methods	3
BIOL 4417	Organic Evolution	3
Approved Plant Biology elective ²		3-4
Approved Animal Biology elective ²		3-4

¹ BIOL 2206, BIOL 2207 have a prereq of CHEM 1112, CHEM 1112L General Chemistry II, and Lab, 4 credits.

² Approved electives are listed in the Biological Sciences section of the College of Science and Engineering.

Biological Sciences 20 Credit Endorsement

MATH 1160 or MATH 1153	Applied Calculus Introduction to Statistics	3
BIOL 1101 & 1101L	Biology I and Biology I Lab	4
BIOL 1102 & 1102L	Biology II and Biology II Lab	4
BIOL 2206 & BIOL 2207	Cell Biology and Cell Biology Laboratory ¹	4
BIOL 4413	Biology Teaching Methods	3
Approved upper division Biology Elective ²		3-4

¹ BIOL 2206, BIOL 2207 have a prereq of CHEM 1112, CHEM 1112L General Chemistry II, and Lab, 4 credits.

² Approved electives are listed in the Biological Sciences section of the College of Science and Engineering

Business Education 30 Credit Endorsement

Select one of the following:		3
ACCT 2201	Principles of Accounting I	
ACCT 3303	Accounting Concepts	
BT 0120	Basic Accounting ¹	
BT 0147	Accounting Applications ¹	
BT 0148	Payroll Procedures ¹	

BT 0171	Computerized Accounting ¹	
BED 3332	Methods in Business Education	3
BED 3341	Leadership and Advising in Career Technical Student Organizations I	1
BED 3342	Leadership and Advising in Career Technical Student Organizations II	1
BED 3343	Leadership and Advising in Career Technical Student Organizations III	1
BT 0144	Business Document Processing ¹	3
CTE 4401	Foundations of Career and Technical Education	3
ENGL 3308	Business Communications	3
Select one of the following:		3
ECON 2201	Principles of Macroeconomics	
ECON 2202	Principles of Microeconomics	
FCS 4470	Consumer Economics	
Select 9 credits from recommended and approved courses.		9
Total Credits		30

Recommended and Approved Courses:

ACCT 2202	Principles of Accounting II	3
BA 1110	The World of Business	3
BED 4485	Independent Study in Business Education	1-3
CMP 2202	Photo, Graphic, and Video Editing	3
CMP 2231	Introduction to Graphic Design	3
CMP 2261	Introduction to Advertising	3
CMP 3335	Typography and Layout	3
COUN 1150	Career and Life Planning	1
CTE 4402	Analysis and Course Construction	3
CTE 4403	Methods of Teaching in Career and Technical Education	3
ECON 1100	Economic Issues	3
ECON 2202	Principles of Microeconomics	3
ECON 3301	Macroeconomic Theory	3
ECON 3302	Microeconomic Theory	3
ECON 3323	Economic History	3
ECON 4431	Money and Banking	3
FCS 4470	Consumer Economics	3
FIN 1115	Personal Finance	3
FIN 3303	Financial Concepts	3
INFO 1110	Web Development: Essentials	3
INFO 3301	Introduction to Informatics and Analytics	3
INFO 3303	Informatics Concepts	3
INFO 4430	Web Application Development	3
MGT 2261	Legal Environment of Organizations	3
MGT 3303	Management Concepts	3
MGT 3312	Individual and Organizational Behavior	3
MGT 4462	Issues in Business and Society	3

¹ Note that only 8 BT credits can be applied toward your degree.

Business Education 20 Credit Endorsement

Select one of the following: 3

ACCT 2201	Principles of Accounting I	
ACCT 3303	Accounting Concepts	
BT 0120	Basic Accounting ¹	
BT 0147	Accounting Applications ¹	
BT 0148	Payroll Procedures ¹	
BT 0171	Computerized Accounting ¹	
BED 3332	Methods in Business Education	3
BED 3341	Leadership and Advising in Career Technical Student Organizations I	1
BED 3342	Leadership and Advising in Career Technical Student Organizations II	1
BED 3343	Leadership and Advising in Career Technical Student Organizations III	1
BT 0144	Business Document Processing ¹	3
CTE 4401	Foundations of Career and Technical Education	3
ENGL 3308	Business Communications	3

Select one of the following: 3

ECON 2201	Principles of Macroeconomics	
ECON 2202	Principles of Microeconomics	
FCS 4470	Consumer Economics	

Total Credits 21

¹ Note that only 8 BT credits can be applied toward your degree.

Chemistry 30 Credit Endorsement

CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Lab	5
CHEM 1112 & 1112L	General Chemistry II and General Chemistry II Lab	4
CHEM 2211	Inorganic Chemistry I	3
CHEM 2232	Quantitative Analysis	2
CHEM 2234	Quantitative Analysis Laboratory	2
CHEM 3301	Organic Chemistry I	3
CHEM 3302 & CHEM 3304	Organic Chemistry II and Organic Chemistry Laboratory II	4
CHEM 3331	Instrumental Analysis	2
CHEM 3334	Instrumental Analysis Laboratory	2
CHEM 3341	Topics in Physical Chemistry I	3
CHEM 3342	Topics in Physical Chemistry II	3
CHEM 4400	Practicum in Physical Science	2
Approved electives in Chemistry		7

Chemistry 20 Credit Endorsement

CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Lab	5
CHEM 1112 & 1112L	General Chemistry II and General Chemistry II Lab	4
CHEM 2211	Inorganic Chemistry I	3
CHEM 2213	Inorganic Chemistry I Laboratory	1
CHEM 4400	Practicum in Physical Science	2

Approved electives in Chemistry 7

Communication 30 Credit Endorsement

CMP 2202	Photo, Graphic, and Video Editing	3
CMP 2205	Argumentation	3
CMP 2286	Visual Rhetoric	3
CMP 3308	Groups and Communication	3
CMP 4404	Gender and Communication	3
CMP 4487	Rhetorical Theory	3
CMP 4488	Rhetorical Criticism	3
THEA 1111	Stagecraft	3
THEA 1118	Oral Interpretation of Literature	3
THEA 2251	Fundamentals of Acting	3
THEA 3331	Materials and Methods for High School Speech Arts	3

One 4000 level elective in Speech 3

Communication 20 Credit Endorsement

CMP 2205	Argumentation	3
CMP 2286	Visual Rhetoric	3
CMP 3308	Groups and Communication	3
CMP 4404	Gender and Communication	3
CMP 4487	Rhetorical Theory	3
CMP 4488	Rhetorical Criticism	3
One 4000 level elective in Speech		3

Drama 30 Credit Endorsement

CMP 2205	Argumentation	3
CMP 3308	Groups and Communication	3
THEA 1101	Survey of Theatre	3
THEA 1111	Stagecraft	3
THEA 1191	Theatre Production	1
AND/OR		
THEA 3391	Theatre Production	
THEA 2251	Fundamentals of Acting	3
THEA 2252	Intermediate Acting Scene Study	3
THEA 3331	Materials and Methods for High School Speech Arts	3
THEA 4455	Beginning Stage Direction	3

Select ONE of the following: 3

THEA 2214	Makeup	
THEA 2221	Stage Costume Construction	
THEA 3304	Stage Management	

Select ONE of the following: 3

THEA 4400	Theatre Background I	
THEA 4401	Theatre Background II	
THEA 4419	20th Century Theatre	
THEA 4420	American Theatre History	
THEA 4465	Musical Theatre History	
THEA 4470	Contemporary Theatre	

Drama 20 Credit Endorsement

THEA 1101	Survey of Theatre	3
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THEA 1111	Stagecraft	3
THEA 2251	Fundamentals of Acting	3
THEA 2252	Intermediate Acting Scene Study	3
THEA 1191	Theatre Production	1
AND / OR		
THEA 3391	Theatre Production	
THEA 4455	Beginning Stage Direction	
Select ONE of the following:		3
THEA 2214	Makeup	
THEA 2221	Stage Costume Construction	
THEA 3304	Stage Management	
Select ONE of the following:		3
THEA 4400	Theatre Background I	
THEA 4401	Theatre Background II	
THEA 4419	20th Century Theatre	
THEA 4420	American Theatre History	
THEA 4465	Musical Theatre History	
THEA 4470	Contemporary Theatre	

Economics 30 Credit Endorsement

ECON 2201	Principles of Macroeconomics	3
ECON 2202	Principles of Microeconomics	3
ECON 3301	Macroeconomic Theory	3
ECON 3302	Microeconomic Theory	3
ECON 3306	History of Economic Doctrines	3
FIN 1115	Personal Finance	3
Approved electives in Economics		12

Economics 20 Credit Endorsement

ECON 2201	Principles of Macroeconomics	3
ECON 2202	Principles of Microeconomics	3
ECON 3301	Macroeconomic Theory	3
ECON 3302	Microeconomic Theory	3
ECON 3306	History of Economic Doctrines	3
FIN 1115	Personal Finance	3
Approved electives in Economics		3

English 30 Credit Endorsement

ENGL 2211	Introduction to Literary Analysis	3
ENGL 2257	Survey of World Literature I Beginnings through 16th Century	3
or ENGL 2258	Survey of World Literature II 17th Century to Present	
ENGL 2267	Survey of British Literature I Beginnings through 18th Century	3
or ENGL 2268	Survey of British Literature II 19th Century to Present	
ENGL 2277	Survey of American Literature I Beginnings to 1860	3
or ENGL 2278	Survey of American Literature II 1860 to Present	
ENGL 2280	Grammar and Usage	3
ENGL 2281	Introduction to Language Studies	3
ENGL 3311	Literary Criticism and Theory	3

ENGL 3327	Special Topics in Genre	3
ENGL 4407	Topics in Professional Writing	3
ENGL 4431	Teaching and Writing Projects Special Topics	3
ENGL 4433	Methods Teaching English ¹	3
ENGL 4476	Shakespeare	3
or ENGL 4477	Shakespeare in Performance	
Select ONE of the following Period or Major Figures Courses:		3
ENGL 4461	Studies in Classical Literature	
ENGL 4462	Studies in Medieval Literature	
ENGL 4463	Studies in Renaissance Literature	
ENGL 4464	Studies in Seventeenth Century Literature	
ENGL 4465	Studies in Eighteenth Century Literature	
ENGL 4466	Studies in Nineteenth Century Literature	
ENGL 4467	Studies in Late Nineteenth Century Literature	
ENGL 4468	Studies in Early Twentieth Century Literature	
ENGL 4469	Studies in Contemporary Literature	
ENGL 4472	Proseminar in a Major Literary Figure	
ENGL 4473	Chaucer	
ENGL 4474	Milton	

¹ ENGL 4433 must be completed before Student Teaching Internship.

English as a Second Language (ESL) 20 Credit Endorsement

Foreign Language		4
ANTH/ENGL/LANG 1107	Nature of Language	3
or ENGL 2280	Grammar and Usage	
or ENGL 2281	Introduction to Language Studies	
ANTH 4450	Sociolinguistics	3
or ANTH 4455	Phonetics	
or ENGL 4480	Varieties of American English	
or ENGL 4481	Studies In Grammar	
EDUC 2204	Families Community Culture	3
EDUC 4460	Foundations of ESL	3
EDUC 4463	ESL Methods	3
EDUC 4464	ESL Practicum	1

French 30 Credit Endorsement

FREN 3301 & FREN 3302	French Conversation and Composition I and French Conversation and Composition II (and their prerequisites or equivalent high school courses)	6
LANG 4437	The Teaching of Foreign Languages	3
Upper division electives in French ¹		12

¹ Must be approved by the Department of Languages and Literature and the College of Education.

French 20 Credit Endorsement

FREN 2201 & FREN 2202	Intermediate French I and Intermediate French II (or equivalent)	8
LANG 4437	The Teaching of Foreign Languages	3
Approved electives in French ¹		12

¹ Must be approved by the Department of Languages and Literatures and the College of Education.

Geology 30 Credit Endorsement

GEOL 1100 & 1100L or GEOL 1101	The Dynamic Earth and The Dynamic Earth Lab Physical Geology	3-4
GEOL 1110	Physical Geology for Scientists Laboratory ¹	1
GEOL 2202	Historical Geology	3
GEOL 2210	Earth in Space and Time	3
GEOL 3306	Environmental Geology	3
GEOL 3313	Earth Materials I ²	3
GEOL 3315	Evolution of the Earth's Surface	4
GEOL 4400	Practicum in Geology Teaching	1
GEOL 4410	Science in American Society	2
GEOL/HIST/POLS 4471	Historical Geography of Idaho	3

Plus approved electives from the following, to reach a total of at least 30 credits: 30

GEOL 3314	Earth Materials II	
GEOL 4403	Principles of Geographic Information Systems	
GEOL 4405	Volcanology	
GEOL 4416	Global Environmental Change	
GEOL 4420	Principles of Geochemistry	
GEOL 4422	Planetary Geology	
GEOL 4430	Principles of Hydrogeology	
GEOL 4431	Geobiology and the History of Life	
GEOL 4452	Sedimentation-Stratigraphy	
GEOL 4456	Geology of Idaho	
GEOL 4458	Geology of North America	
GEOL 4491	Seminar	

Other geoscience courses as approved by Geoscience advisor

¹ Candidates must take GEOL 1110 even if they have taken the lab for GEOL 1100 or GEOL 1101 (GEOL 1100L or GEOL 1101L).

² (PREREQ or COREQ CHEM 1111)

Geology 20 Credit Endorsement

GEOL 1100 & 1100L or GEOL 1101	The Dynamic Earth and The Dynamic Earth Lab Physical Geology	3-4
GEOL 1110	Physical Geology for Scientists Laboratory ¹	1
GEOL 2202	Historical Geology	3
GEOL 2210	Earth in Space and Time	3
GEOL 3313	Earth Materials I ²	3
GEOL 3315	Evolution of the Earth's Surface	4

GEOL 4400	Practicum in Geology Teaching	1
GEOL 4410	Science in American Society	2

Plus electives from the following, to reach a total of at least 22 credits: 22

GEOL 4416	Global Environmental Change	
GEOL 4422	Planetary Geology	
GEOL 4456	Geology of Idaho	
GEOL 4458	Geology of North America	
GEOL/HIST/POLS 4471	Historical Geography of Idaho	
GEOL 4491	Seminar	
Other geoscience electives may be approved by advisor		

¹ Candidates must take GEOL 1110 even if they have taken the lab for GEOL 1100 or GEOL 1101 (GEOL 1100L or GEOL 1101L).

² (PREREQ or COREQ CHEM 1111)

German 30 Credit Endorsement

GERM 3301 & GERM 3302	German Conversation and Composition I and German Conversation and Composition II (and their prerequisites or equivalent high school courses)	6
LANG 4437	The Teaching of Foreign Languages	3
Upper division electives in German ¹		12

¹ Must be approved by Department of Languages and Literatures and College of Education

German 20 Credit Endorsement

GERM 2201 & GERM 2202	Intermediate German I and Intermediate German II (or equivalent)	8
LANG 4437	The Teaching of Foreign Languages	3
Approved electives in German ¹		12

¹ Must be approved by Department of Languages and Literatures and College of Education.

Health Education Teaching 30 Credit Endorsement

Prerequisites:

Admission to Teacher Education Program

School Health Education Core:

HE 2200	Promoting Wellness	3
HE 2221	Introduction to Community and Public Health	3
HE 4430	Curriculum and Methods in Health Education	3
HE 4432	Community and Public Health	3
Plus the following courses:		
HE 4410	Health Behavior Change Theory and Application	3
HE 4420	Health Program Planning and Implementation	3
HE 4435	Health Program Evaluation and Research	3

Plus THREE of the following SEVEN courses (Minimum 9 credits):	9
HE 3340	Fitness and Wellness Programs
HE 3342	Stress and Emotional Health
HE 4442	Environmental Health in Community and Public Health
HE 4443	Substance Abuse in Community and Public Health
HE 4444	Human Diseases in Community and Public Health
HE 4445	Human Sexuality in Community and Public Health
NTD 2239	Nutrition
Total Credits	30

Health Education 20 Credit Endorsement

Prerequisites:

Admission to Teacher Education Program

Required Courses:

HE 2200	Promoting Wellness	3
HE 2221	Introduction to Community and Public Health	3
HE 4430	Curriculum and Methods in Health Education	3
HE 4432	Community and Public Health	3
Plus THREE of the following eight courses (minimum 9 credits):	9	
HE 3340	Fitness and Wellness Programs	
HE 3342	Stress and Emotional Health	
HE 4410	Health Behavior Change Theory and Application	
HE 4442	Environmental Health in Community and Public Health	
HE 4443	Substance Abuse in Community and Public Health	
HE 4444	Human Diseases in Community and Public Health	
HE 4445	Human Sexuality in Community and Public Health	
NTD 2239	Nutrition	
Total Credits	21	

History 30 Credit Endorsement

Graduation Requirements

In addition to the University's General Education Requirements for the Bachelor of Arts Degree (a minimum of 36 credits), all history majors must take a minimum of 36 credits from the following six categories. Candidates seeking certification in history must have 9 credits in U.S. History (HIST 1118 and HIST 4418, plus an additional course). In addition, POLS 1101 partially fulfills Objective 6 and HIST 1118 fulfills Objective 7 of the General Education Requirements.

Category I: World Regions (9 credits, at least 3 of which must be in HIST 1101 or HIST 1102)

HIST 1101	Foundations of Europe (Partially satisfies General Education Objective 6.)	3
HIST 1102	Modern Europe (Partially satisfies General Education Objective 6.)	3
HIST 1120	Themes in World History (Satisfies General Education Objective 7.)	3
HIST 2221	Ancient World	3
HIST 2241	History of World Religions	3
HIST 2251	Latin American History and Culture (Satisfies General Education Objective 9.)	3
HIST 2252	East Asian History (Satisfies General Education Objective 9.)	3
HIST 2254	Middle East History and Culture (Satisfies General Education Objective 9.)	3
HIST 2255	African History and Culture (Satisfies General Education Objective 9.)	3

Category II: Research Skills (6 credits). Candidates must take both of the following courses sequentially.

HIST 2291	The Historian's Craft (Satisfies General Education Objective 8.)	3
HIST 4491	History Seminar	3

Category III: Courses for Teachers

HIST 4418	United States History for Teachers	3
Plus ONE of the following:		
HIST 3307	Early North America	
HIST 3308	Industrialization and Reform in the United States	
HIST 3309	Modern United States	

Category IV: Upper Division U.S. History: 6 credits

Choose one 3000-level course and one 4000-level course from the Category IV list of upper division History elective courses in the Bachelor of Arts in History in the Arts and Letters section of this catalog.

Category V: Upper Division World, Comparative and Non-U.S. History: 6 credits

Choose two courses from the Category V list of upper division History elective courses in the Bachelor of Arts in History in the Arts and Letters section of this catalog.

Category VI: Electives: 6 credits

Choose two courses from the Category IV, V and VI lists of upper division History elective courses in the Bachelor of Arts in History (<http://coursecat.isu.edu/undergraduate/artsandletters/history/#programstext>) in the Arts and Letters section of this catalog.

History 20 Credit Endorsement

Category I: World Regions (6 credits, at least 3 of which must be HIST 1101 or HIST 1102)

HIST 1101	Foundations of Europe (Partially satisfies General Education Objective 6.)	3
HIST 1102	Modern Europe (Partially satisfies General Education Objective 6.)	3
HIST 1120	Themes in World History (Satisfies General Education Objective 7.)	3
HIST 2221	Ancient World	3
HIST 2241	History of World Religions	3
HIST 2251	Latin American History and Culture (Satisfies General Education Objective 9.)	3
HIST 2252	East Asian History (Satisfies General Education Objective 9.)	3
HIST 2254	Middle East History and Culture (Satisfies General Education Objective 9.)	3
HIST 2255	African History and Culture (Satisfies General Education Objective 9.)	3

Category III: Course for Teachers

HIST 4418	United States History for Teachers	3
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Category IV: Upper Division U.S. History: 6 credits

Choose one 3000-level course and one 4000-level course from the Category IV list of upper division History elective courses in the Bachelor of Arts in History in the Arts and Letters section of this catalog.

Category V: Upper Division World, Comparative and Non-U.S. History: 3 credits

Choose one course from the Category V list of upper division History elective courses in the Bachelor of Arts in History (<http://coursecat.isu.edu/undergraduate/artsandletters/history/#programstext>) in the Arts and Letters section of this catalog.

Journalism 20 Credit Endorsement

ENGL 4433	Methods Teaching English (highly recommended)	3
CMP 1110	Media Writing	3
CMP 2202	Photo, Graphic, and Video Editing	3
CMP 2251	Introduction to Photography	3
CMP 3310	Multiplatform Storytelling	3
Approved electives selected from:		
CMP 2271	Television and Video Production	3
CMP 3311	Business and Political Reporting	3
CMP 3339	Web Design	3
CMP 4403	Mass Communication and Society	3
CMP 4410	Mass Media History, Law, and Ethics	3

Mathematics 30 Credit Endorsement

CS 1181	Computer Science and Programming I	3
MATH 1170	Calculus I	4

MATH 1175	Calculus II	4
MATH 2240	Linear Algebra	3
MATH 2275	Calculus III	4
MATH 2287	Foundations of Mathematics	3
MATH 3326	Elementary Analysis	3
MATH 3343	Modern Geometry I	3
MATH 3352	Introduction to Probability	3
MATH 4407	Modern Algebra I	3

And ONE of the following:

MATH 3327	Vector Analysis	3
MATH 4408	Modern Algebra II	3
MATH 4444	Modern Geometry II	3

Mathematics 20 Credit Endorsement

CS 1181	Computer Science and Programming I	3
MATH 1170	Calculus I	4
MATH 1175	Calculus II	4
MATH 2240	Linear Algebra	3
MATH 2275	Calculus III	4
MATH 2287	Foundations of Mathematics	3
MATH 3343	Modern Geometry I	3
MATH 3352	Introduction to Probability	3

And ONE of the following:

MATH 3326	Elementary Analysis	3
MATH 4407	Modern Algebra I	3
MATH 4444	Modern Geometry II	3

Physics 30 Credit Endorsement

PHYS 1152	Descriptive Astronomy	4
& PHYS 1153	and Descriptive Astronomy Laboratory	
PHYS 2211	Engineering Physics I	8
& PHYS 2212	and Engineering Physics II ¹	
PHYS 2213	Engineering Physics I Laboratory	2
& PHYS 2214	and Engineering Physics II Laboratory	
PHYS 3301	Modern Physics ²	3
PHYS 4400	Practicum in Physical Science	2
PHYS 4403	Advanced Modern Physics I	3
GEOL 4410	Science in American Society	2
Approved electives in Physics		8

¹ Calculus is required for PHYS 2211 - PHYS 2212.

² MATH 3360 is required for PHYS 3301

Physics 20 Credit Endorsement

PHYS 1152	Descriptive Astronomy	4
& PHYS 1153	and Descriptive Astronomy Laboratory	
PHYS 2211	Engineering Physics I	8
& PHYS 2212	and Engineering Physics II ¹	
PHYS 2213	Engineering Physics I Laboratory	2
& PHYS 2214	and Engineering Physics II Laboratory	
PHYS 4400	Practicum in Physical Science	2
GEOL 4410	Science in American Society	2
Approved electives in Physics		4

¹ Two semesters of calculus are required for PHYS 2212.

Russian 20 Credit Endorsement

RUSS 2201 & RUSS 2202 OR equivalent	Intermediate Russian I and Intermediate Russian II	8
LANG 4437 Approved electives in Russian	The Teaching of Foreign Languages	3 12

(must be approved by the Department of Languages and Literatures and the College of Education).

Social Studies 30 Credit Endorsement

Must be accompanied by a major or minor in Economics, History, or Political Science. 47-48 credits total; up to 12 of the credits may satisfy General Education Requirements.

All candidates must take the following required courses:

EDUC 3336	Social Science Methods	3
PSYC 1101	Introduction to General Psychology	3
Plus ONE of the following courses:		3
PSYC 3310	Applied Techniques	
SOC/SOWK 3308	Sociological Methods and Social Work Research	
SOC 3309	Social Statistics	

An additional twelve (12) credits are required from **THREE** of the following fields, chosen from the remaining fields **BEYOND** the one chosen from the list above as an additional major or minor:

Economics:

ECON 2201	Principles of Macroeconomics	3
ECON 2202	Principles of Microeconomics	3
Plus six (6) additional credits from any upper-division courses in Economics as listed in the College of Business section of this catalog.		6

Geography:

GEOL 1100 & 1100L	The Dynamic Earth and The Dynamic Earth Lab	4
GLBL 2270	World Regional Geography and Cultures	3

Plus TWO of the following geography courses to complete the Geography field: 6-7

GEOL 4403	Principles of Geographic Information Systems	
GEOL/HIST/POLS 4471	Historical Geography of Idaho	
HIST 4489	GIS for Social Sciences	
HIST 4490 & 4490L	Cartography History and Design and Cartography Lab	

History:

Select TWO history courses from the following list: 6

HIST 1101	Foundations of Europe	
HIST 1102	Modern Europe	
HIST 2251	Latin American History and Culture	
HIST 2252	East Asian History	

HIST 2254	Middle East History and Culture	
HIST 2255	African History and Culture	
Plus TWO additional history courses from the following list:		6
HIST 3307	Early North America	
HIST 3308	Industrialization and Reform in the United States	
HIST 3309	Modern United States	
HIST 4418	United States History for Teachers	

Political Science:

POLS 1101	Introduction to United States Government	3
POLS 2221	Introduction to International Relations	3
Plus TWO additional political science courses from the following list:		6
POLS 3308	State and Local Government	
POLS 3313	Introduction to Political Philosophy	
POLS 3331	Comparative Politics Framework for Analysis	
POLS 3326	Recent US Foreign Policy	
POLS 4401	Political Parties and Groups	
POLS 4403	The Presidency	
POLS 4404	The Legislative Process	
POLS 4411	American Political Theory	
POLS 4443	Civil Rights and Liberties	
POLS 4455	Environmental Politics and Policy	

Spanish 30 Credit Endorsement

SPAN 3301 & SPAN 3302	Spanish Conversation and Composition I and Spanish Conversation and Composition II (and their prerequisites or equivalent high school courses)	6
LANG 4437	The Teaching of Foreign Languages	3
Upper Division electives in Spanish		12
(must be approved by the Department of Languages and Literatures and the College of Education)		

Spanish 20 Credit Endorsement

SPAN 2201 & SPAN 2202	Intermediate Spanish I and Intermediate Spanish II (OR equivalent)	8
LANG 4437	The Teaching of Foreign Languages	3
Approved electives in Spanish		12
(must be approved by the Department of Languages and Literatures and the College of Education)		

Single Subject 45 Credit Teaching Endorsements

Art 45 Credit Endorsement

ART 1100	Introduction to Art (Partially Satisfies General Education Objective 4)	3
ART 1101	Survey of Art History I (Partially Satisfies General Education Objective 4)	3

ART 1102	Survey of Art History II (Partially Satisfies General Education Objective 4)	3
ART 1103	Creative Process	3
ART 1104	Creative Process	3
ART 1105	Drawing I	3
ART 3334	Secondary Art School Methods	3
Approved electives in Art		24

Biological Science 45 Credit Endorsement

MATH 1160 or MATH 1153	Applied Calculus Introduction to Statistics	3
BIOL 1101 & 1101L	Biology I and Biology I Lab	4
BIOL 1102 & 1102L	Biology II and Biology II Lab	4
BIOL 2206 & BIOL 2207	Cell Biology and Cell Biology Laboratory ¹	4
BIOL 2209 & 2209L	General Ecology and General Ecology Laboratory	4
BIOL 2221 & 2221L	Introductory Microbiology and Introductory Microbiology Laboratory	4
BIOL 3358	Genetics	3
BIOL 4413	Biology Teaching Methods	3
BIOL 4417	Organic Evolution	3
BIOL 4491 & BIOL 4492	Seminar and Seminar	2
Approved electives in Biology (3-4 credits plant/botany course required) ²		14

¹ BIOL 2206, BIOL 2207 have a prereq of CHEM 1112, CHEM 1112L, General Chemistry II, and Lab, 4 credits.

² Approved electives are listed in the Biological Sciences section of the College of Science and Engineering.

Business Technology 45 Credit Endorsement

Select one of the following:		3
ACCT 2201	Principles of Accounting I	
ACCT 3303	Accounting Concepts	
BT 0120	Basic Accounting ¹	
BT 0147	Accounting Applications ¹	
BT 0148	Payroll Procedures ¹	
BT 0171	Computerized Accounting ¹	
BED 3332	Methods in Business Education	3
BED 3341	Leadership and Advising in Career Technical Student Organizations I	1
BED 3342	Leadership and Advising in Career Technical Student Organizations II	1
BED 3343	Leadership and Advising in Career Technical Student Organizations III	1
BT 0144	Business Document Processing ¹	3
CMP 2231	Introduction to Graphic Design	3
CTE 4401	Foundations of Career and Technical Education	3

ENGL 3308	Business Communications	3
Select two of the following:		6
ECON 2201	Principles of Macroeconomics	
ECON 2202	Principles of Microeconomics	
FCS 4470	Consumer Economics	
Select 18 credits from recommended and approved courses.		18
Total Credits		45

Recommended and Approved Courses:

ACCT 2202	Principles of Accounting II	3
BA 1110	The World of Business	3
BED 4485	Independent Study in Business Education	1-3
CMP 2202	Photo, Graphic, and Video Editing	3
CMP 2261	Introduction to Advertising	3
CMP 3335	Typography and Layout	3
COUN 1150	Career and Life Planning	1
CTE 4402	Analysis and Course Construction	3
CTE 4403	Methods of Teaching in Career and Technical Education	3
ECON 1100	Economic Issues	3
ECON 2202	Principles of Microeconomics	3
ECON 3301	Macroeconomic Theory	3
ECON 3302	Microeconomic Theory	3
ECON 3323	Economic History	3
ECON 4431	Money and Banking	3
FCS 4470	Consumer Economics	3
FIN 1115	Personal Finance	3
FIN 3303	Financial Concepts	3
INFO 1110	Web Development: Essentials	3
INFO 3301	Introduction to Informatics and Analytics	3
INFO 3303	Informatics Concepts	3
INFO 4430	Web Application Development	3
MGT 2261	Legal Environment of Organizations	3
MGT 3303	Management Concepts	3
MGT 3312	Individual and Organizational Behavior	3
MGT 4462	Issues in Business and Society	3

¹ Note that only 8 BT credits can be applied toward your degree.

Chemistry 45 Credit Endorsement

CHEM 1111 & 1111L	General Chemistry I and General Chemistry I Lab	5
CHEM 1112 & 1112L	General Chemistry II and General Chemistry II Lab	4
CHEM 2211	Inorganic Chemistry I	3
CHEM 2232	Quantitative Analysis	2
CHEM 2234	Quantitative Analysis Laboratory	2
CHEM 3301	Organic Chemistry I	3
CHEM 3302 & CHEM 3304	Organic Chemistry II and Organic Chemistry Laboratory II	4
CHEM 3331	Instrumental Analysis	2

CHEM 3334	Instrumental Analysis Laboratory	2
CHEM 3341	Topics in Physical Chemistry I	3
CHEM 3342	Topics in Physical Chemistry II	3
CHEM 4400	Practicum in Physical Science	2
Approved electives in Chemistry		7

Communication 45 Credit Endorsement

CMP 2202	Photo, Graphic, and Video Editing	3
CMP 2205	Argumentation	3
CMP 2286	Visual Rhetoric	3
CMP 3308	Groups and Communication	3
CMP 4404	Gender and Communication	3
CMP 4487	Rhetorical Theory	3
THEA 1111	Stagecraft	3
THEA 1118	Oral Interpretation of Literature	3
THEA 2251	Fundamentals of Acting	3
THEA 3331	Materials and Methods for High School Speech Arts	3
Electives in 4000-level Communication and Rhetorical Studies courses		9

Electives (4 credits) selected from:

THEA 2214	Makeup	4
THEA 2221	Stage Costume Construction	
THEA 3304	Stage Management	
THEA 3312	Stage Lighting Design	

Drama 45 Credit Endorsement

CMP 2205	Argumentation	3
CMP 3308	Groups and Communication	3
THEA 1101	Survey of Theatre	3
THEA 1111	Stagecraft	3
THEA 1191	Theatre Production	1
AND/OR		
THEA 3391	Theatre Production	
THEA 2211	Drafting	3
THEA 2214	Makeup	2
THEA 2221	Stage Costume Construction	3
THEA 2251	Fundamentals of Acting	3
THEA 2252	Intermediate Acting Scene Study	3
THEA 3304	Stage Management	2
THEA 3311	Scene Design	3
THEA 3312	Stage Lighting Design	3
or THEA 4403	Stage Costume Design	
THEA 3331	Materials and Methods for High School Speech Arts	3
THEA 4455	Beginning Stage Direction	3
Select ONE of the following:		3
THEA 4400	Theatre Background I	
THEA 4401	Theatre Background II	
THEA 4419	20th Century Theatre	
THEA 4420	American Theatre History	
THEA 4465	Musical Theatre History	

THEA 4470	Contemporary Theatre	
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English 45 Credit Endorsement

ENGL 2211	Introduction to Literary Analysis	3
ENGL 2257	Survey of World Literature I Beginnings through 16th Century	3
or ENGL 2258	Survey of World Literature II 17th Century to Present	
ENGL 2267	Survey of British Literature I Beginnings through 18th Century	3
or ENGL 2268	Survey of British Literature II 19th Century to Present	
ENGL 2277	Survey of American Literature I Beginnings to 1860	3
or ENGL 2278	Survey of American Literature II 1860 to Present	
ENGL 2280	Grammar and Usage	3
ENGL 2281	Introduction to Language Studies	3
ENGL 3311	Literary Criticism and Theory	3
ENGL 3327	Special Topics in Genre	3
ENGL 3356	Ethnicity in Literature	3
ENGL 4407	Topics in Professional Writing	3
ENGL 4431	Teaching and Writing Projects Special Topics	3
ENGL 4433	Methods Teaching English ¹	3
ENGL 4476	Shakespeare	3
or ENGL 4477	Shakespeare in Performance	
ENGL 4487	History of the English Language	3
Select ONE of the following Pre-1800 Period or Major Figures Courses:		3
ENGL 4461	Studies in Classical Literature	
ENGL 4462	Studies in Medieval Literature	
ENGL 4463	Studies in Renaissance Literature	
ENGL 4464	Studies in Seventeenth Century Literature	
ENGL 4465	Studies in Eighteenth Century Literature	
ENGL 4472	Proseminar in a Major Literary Figure	
ENGL 4473	Chaucer	
ENGL 4474	Milton	

¹ ENGL 4433 must be completed before Student Teaching Internship.

Family and Consumer Sciences 45 Credit Endorsement

FCS 1100	Family and Consumer Sciences Professions	1
FCS 2209	Early Childhood Environments	3
FCS 2229	Textile Products	3
FCS 3314	Interior Design and Housing	3
FCS 3332	Programs in Family and Consumer Sciences	3
FCS 4429	Social and Psychological Aspects of Clothing	3
FCS 4431	Family Resource Management	3
FCS 4435	Relationships within Families	3
FCS 4470	Consumer Economics	3

NTD 1104	Foods	3
NTD 2204	Meal Management	2
NTD 2239	Nutrition	3
CTE 4401	Foundations of Career and Technical Education	3
Plus an additional nine credits of electives.		9
Total Credits		45

Recommended Electives

FCS 4471	Advanced Consumer Economics	3
FCS 4472	Teaching Consumer Economics	1-3
FCS 4494	Partnerships with Professionals	3-6
ECON 2201	Principles of Macroeconomics	3
ECON 2202	Principles of Microeconomics	3
NTD 3312 & 3312L	Quantity Foods and Quantity Foods Laboratory	4
NTD 3360	Nutrition Through the Lifecycle	3
NTD 4439	Sports Nutrition	3
CTE 4402	Analysis and Course Construction	3
CTE 4403	Methods of Teaching in Career and Technical Education	3
OLP 4405	Learning Fundamentals	3
OLP 4409	Professional Readings and Writing in Human Resource Development	3
CTE 4444	Career Guidance and Special Needs Career and Technical Education	3

Geology 45 Credit Endorsement

Required Courses:

GEOL 1100 & 1100L or GEOL 1101	The Dynamic Earth and The Dynamic Earth Lab Physical Geology	3-4
GEOL 1110	Physical Geology for Scientists Laboratory ¹	1
GEOL 2202	Historical Geology	3
GEOL 2210	Earth in Space and Time	3
GEOL 3306	Environmental Geology	3
GEOL 3313	Earth Materials I ²	3
GEOL 3315	Evolution of the Earth's Surface	4
GEOL 4400	Practicum in Geology Teaching	1
GEOL 4410	Science in American Society	2
GEOL 4421	Structural Geology	4
GEOL 4431	Geobiology and the History of Life	4
GEOL 4452	Sedimentation-Stratigraphy	4
GEOL/HIST/POLS 4471	Historical Geography of Idaho	3
Plus electives from the following to reach a total of at least 45 credits:		45
GEOL 3314	Earth Materials II	
GEOL 4403	Principles of Geographic Information Systems	
GEOL 4405	Volcanology	
GEOL 4407	GPS Applications in Research	
GEOL 4409	Remote Sensing	

GEOL 4416	Global Environmental Change
GEOL 4420	Principles of Geochemistry
GEOL 4422	Planetary Geology
GEOL 4430	Principles of Hydrogeology
GEOL 4450	Field Geology
GEOL 4456	Geology of Idaho
GEOL 4458	Geology of North America
GEOL 4491	Seminar
Other geology electives may be applied as approved by advisor	

¹ Candidates must take GEOL 1110 even if they have taken the lab for GEOL 1100 or GEOL 1101 (GEOL 1100L or GEOL 1101L).

² (PREREQ or COREQ: CHEM 1111)

Health Education 45 Credit Endorsement

Prerequisites:

Admission to Teacher Education Program

Required Courses:

HE 2200	Promoting Wellness	3
HE 2221	Introduction to Community and Public Health	3
HE 3340	Fitness and Wellness Programs	3
HE 3342	Stress and Emotional Health	3
HE 4410	Health Behavior Change Theory and Application	3
HE 4420	Health Program Planning and Implementation	3
HE 4430	Curriculum and Methods in Health Education	3
HE 4432	Community and Public Health	3
HE 4435	Health Program Evaluation and Research	3
HE 4442	Environmental Health in Community and Public Health	3
HE 4443	Substance Abuse in Community and Public Health	3
HE 4444	Human Diseases in Community and Public Health	3
HE 4445	Human Sexuality in Community and Public Health	3
NTD 2239	Nutrition	3
Plus one of the following courses (Minimum 3 credits)		3
HE 2211	Health Education Methods Elementary (Required for K-12 Endorsement)	
HE 3383	Epidemiology	
HE 4405	Leadership and Policy	
HE 4446	Communication Strategies in Community and Public Health	
HE Approved Electives (1-3)		
Total Credits		45

Mathematics 45 Credit Endorsement

CS 1181	Computer Science and Programming I	3
MATH 1170	Calculus I	4

MATH 1175	Calculus II	4
MATH 2240	Linear Algebra	3
MATH 2275	Calculus III	4
MATH 2287	Foundations of Mathematics	3
MATH 3326	Elementary Analysis	3
MATH 3343	Modern Geometry I	3
MATH 3352	Introduction to Probability	3
MATH 4407	Modern Algebra I	3
MATH 4408	Modern Algebra II	3
Approved upper-division mathematics electives including at least 3 credits at the 4000-level		9

Music Education

See Bachelor of Music Education (<http://coursecat.isu.edu/undergraduate/education/musiceducation>) degree program (K-12 certification) for requirements.

Physical Education 45 Credit Endorsement

PE 2222	First Aid CPR and Sport Safety	3
PE 2223	Foundations of Physical Education and Sport	3
PE 2235	Activity Performance Techniques I	3
PE 2236	Activity Performance Techniques II	3
PE 2237	Activity Performance Techniques III	3
PE 2243	Anatomical Foundations of Human Activity	3
PE 2281	Practical Outdoor Skills	1
PE 3300	Movement Theory and Motor Development	3
PE 3303	Kinesiology for Teachers and Coaches	3
PE 3322	Introduction to Sport Psychology	3
PE 3357	Methods of Teaching Elementary Physical Education	3
PE 3362	Tests and Measurements in Physical Education	3
PE 3364	Introduction to Sport Law	3
PE 3370	Care and Prevention of Athletic Injuries	3
PE 4437	Methods of Teaching Secondary Physical Education	3
PE 4475	Organization and Administration of Physical Education	3
PE 4494	Adapted Physical Activity	3
Aquatics (consult with advisor)		1
Total Credits		50

IN ADDITION: Candidate must present a current Red Cross First Aid and CPR Card to advisor at the time of graduation.