SCIENCE EDUCATION (6-12) MAJOR
BROAD FIELD SCIENCE: BIOLOGY

The Science Education major leads to certification in grades six through twelve. Students must take two additional areas of concentration.

GENERAL EDUCATION – 50 hours

BIBLE & THEOLOGY - 15 hours
BIB 213 Hermeneutics
BSF 103 Foundations of Spiritual Formation
NTE 103 Introduction to the New Testament
OTE 103 Introduction to the Old Testament
THE 303 Introduction to Theology

HUMANITIES - 12 hours
ENG 113 Freshman Composition I
ENG 123 Freshman Composition II
HUM 103 Western Thought & Culture
3 hours 200- or 300-level ENG Literature Elective

SOCIAL SCIENCES - 6 hours
HIS ___ History of the United States II ***or*** 20th Century World History
PSY 323X Educational Psychology

COMPUTER, SCIENCE, & MATHEMATICS - 17 hours
BIO 114 Biology I
BIO 124 Biology II
CSC 303 Technology for Teachers
MAT 253 Introduction to Statistics
MAT 323 Elements of Calculus

MAJOR –68 hours
EDUCATION CORE –34 hours
EDM 273 Instructional Design for Middle School
EDS 333 Content Methods: SEC
EDS 433 Philosophy of Classroom Management
EDU 100 Teacher Education Orientation
EDU 133 Foundations & Trends in Education
EDU 211 Field Experience I
EDU 221 Field Experience II
EDU 231 Field Experience III
EDU 311 Education Seminar
EDU 413 Clinical Practice I
EDU 419 Clinical Practice II
EDU 423 Professional Integration
EDU 453 The Exceptional Learner

CONTENT CORE – 34 hours
PRIMARY SPECIALTY FIELD: BIOLOGY – 14 hours
BIO 234 General Microbiology
BIO 313 Evolutionary Biology
BIO 314 Genetics
BIO 423 Ecology

Two SPECIALTY FIELDS – 20 hours
CHM 214 Chemistry I
CHM 224 Chemistry II
CHM 314 Organic Chemistry I

PHS 214 Physics I
PHS 224 Physics II

OPEN ELECTIVES - 9 hours

TOTAL = 127 hours

SCIENCE EDUCATION (6-12) BROAD FIELD SCIENCE: BIOLOGY COURSE SCHEDULE SAMPLE

First Year

Fall Semester		
BSF 103	Foundations of Spiritual Formation	3
ENG 113	Freshman Composition I	3
MAT 253	Introduction to Statistics	3
BIO 114	Biology I	4
CHM 214	Chemistry I	4
TFC 100	Orientation	0
		17
Winterim		
HUM 103	Western Thought & Culture	3
Spring Semester		
OTE 103	Introduction to the Old Testament	3
ENG 123	Freshman Composition II	3
BIO 124	Biology II	4
CHM 224	Chemistry II	4
EDU 133	Foundations & Trends in Education	3
SAO ___	Service & Outreach	0
		17

Second Year

Fall Semester		
NTE 103	Introduction to the New Testament	3
ENG ___	Literature Elective	3
CHM 314	Organic Chemistry I	4
PSY 323X	Educational Psychology	3
EDU 100	Teacher Education Orientation	0
___ ___	Open Elective	3
SAO ___	Service & Outreach	0
		16
Spring Semester		
BIB 213	Hermeneutics	3
HIS ___	History Elective	3
BIO 234	General Microbiology	4
CSC 303	Technology for Teachers	3
EDM 273	Instructional Design for Middle School	3
EDU 211	Field Experience I	1
SAO ___	Service & Outreach	0
		17

Third Year

Fall Semester		
BIO 314	Genetics	4
BIO 423	Ecology	3
PHS 214	Physics I	4
EDS 333	Content Methods: SEC	3
EDU 221	Field Experience II	1
SAO ___	Service & Outreach	0
		15
Spring Semester		
BIO 313	Evolutionary Biology	3
MAT 323	Elements of Calculus	3
PHS 224	Physics II	4
EDU 231	Field Experience III	1
EDU 311	Education Seminar	1
___ ___	Open Elective	3
___ ___	Open Elective	3
		18

Fourth Year

Fall Semester		
THE 303	Introduction to Theology	3
EDS 433	Philosophy of Classroom Management	3
EDU 413	Clinical Practice I	3
EDU 453	The Exceptional Learner	3
		12
Spring Semester (no additional hours allowed)		
EDU 419	Clinical Practice II	9
EDU 423	Professional Integration	3
		12

Minimum hours required = 127

Alternate year courses require careful scheduling with the student's advisor.

SCIENCE EDUCATION (6-12) MAJOR
BROAD FIELD SCIENCE: CHEMISTRY

The Science Education major leads to certification in grades six through twelve. Students must take two additional areas of concentration.

GENERAL EDUCATION – 50 hours

BIBLE & THEOLOGY - 15 hours

BIB 213 Hermeneutics
BSF 103 Foundations of Spiritual Formation
NTE 103 Introduction to the New Testament
OTE 103 Introduction to the Old Testament
THE 303 Introduction to Theology

HUMANITIES - 12 hours

ENG 113 Freshman Composition I
ENG 123 Freshman Composition II
HUM 103 Western Thought & Culture
3 hours 200- or 300-level ENG Literature Elective

SOCIAL SCIENCES - 6 hours

HIS ___ History of the United States II ***or*** 20th Century World History
PSY 323X Educational Psychology

COMPUTER, SCIENCE, & MATHEMATICS - 17 hours

CHM 214 Chemistry I
CHM 224 Chemistry II
CSC 303 Technology for Teachers
MAT 253 Introduction to Statistics
MAT 323 Elements of Calculus

MAJOR –69 hours

EDUCATION CORE –34 hours

EDM 273 Instructional Design for Middle School
EDS 333 Content Methods: SEC
EDS 433 Phil. of Classroom Management
EDU 100 Teacher Education Orientation
EDU 133 Foundations & Trends in Education
EDU 211 Field Experience I
EDU 221 Field Experience II
EDU 231 Field Experience III
EDU 311 Education Seminar
EDU 413 Clinical Practice I
EDU 419 Clinical Practice II
EDU 423 Professional Integration
EDU 453 The Exceptional Learner

CONTENT CORE –35 hours
PRIMARY SPECIALTY FIELD: CHEMISTRY – 15 hours

CHM 314 Organic Chemistry I
CHM 324 Organic Chemistry II
CHM 414 Biochemistry
SCI 243 Earth Science

Two SPECIALTY FIELDS – 20 hours

BIO 114 Biology I
BIO 124 Biology II
BIO 234 General Microbiology

PHS 214 Physics I
PHS 224 Physics II

OPEN ELECTIVES - 9 hours

TOTAL = 128 hours

SCIENCE EDUCATION (6-12) BROAD FIELD SCIENCE: CHEMISTRY COURSE SCHEDULE SAMPLE

First Year

Fall Semester

BSF 103	Foundations of Spiritual Formation	3
NTE 103	Introduction to the New Testament	3
ENG 113	Freshman Composition I	3
BIO 114	Biology I	4
CHM 214	Chemistry I	4
TFC 100	Orientation	0
		17

Winterim

HUM 103	Western Thought & Culture	3

Spring Semester

OTE 103	Introduction to the Old Testament	3
ENG 123	Freshman Composition II	3
BIO 124	Biology II	4
CHM 224	Chemistry II	4
EDU 133	Foundations & Trends in Education	3
SAO ___	Service & Outreach	0
		17

Second Year

Fall Semester

BIB 213	Hermeneutics	3
MAT 253	Introduction to Statistics	3
CHM 314	Organic Chemistry I	4
CSC 303	Technology for Teachers	3
PSY 323X	Educational Psychology	3
EDU 100	Teacher Education Orientation	0
SAO ___	Service & Outreach	0
		16

Spring Semester

HIS ___	History Elective	3
BIO 234	General Microbiology	4
CHM 324	Organic Chemistry II	4
EDM 273	Instructional Design for Middle School	3
EDU 211	Field Experience I	1
___ ___	Open Elective	3
SAO ___	Service & Outreach	0
		18

Third Year

Fall Semester

ENG ___	Literature Elective	3
CHM 414	Biochemistry *(as offered)*	4
PHS 214	Physics I	4
EDS 333	Content Methods: SEC	3
EDU 221	Field Experience II	1
SAO ___	Service & Outreach	0
		15

Spring Semester

MAT 323	Elements of Calculus	3
PHS 224	Physics II	4
SCI 243	Earth Science	3
EDU 231	Field Experience III	1
EDU 311	Education Seminar	1
___ ___	Open Elective	3
___ ___	Open Elective	3
		18

Fourth Year

Fall Semester

THE 303	Introduction to Theology	3
EDS 433	Phil. of Classroom Management	3
EDU 413	Clinical Practice I	3
EDU 453	The Exceptional Learner	3
		12

Spring Semester

EDU 419	Clinical Practice II	9
EDU 423	Professional Integration	3
		12

Minimum hours required = 128