School of Interdisciplinary Studies

Education (BA, BS)

UT Dallas offers both a Bachelor of Arts in Education degree (BAED) and a Bachelor of Science in Education degree (BSED) through the School of Interdisciplinary Studies. Each degree emphasizes a broader understanding and wider perspective of the field of education. Becoming a teacher takes preparation and planning. To ensure the highest professional standards, the state of Texas and The University of Texas at Dallas require students to pass a series of rigorous courses, complete extensive fieldwork and demonstrate their knowledge of content and educational expertise on state licensure exams to become fully certified as a highly qualified teacher in Texas. The Teacher Development Center (TDC) at UT Dallas offers all the preparation courses required for teacher certification, including practical classes in curriculum and instruction, educational technology, and classroom management. The TDC interfaces and engages with all academic schools at UT Dallas, as well as 22 area school districts, to assist students as they progress through the Teacher Certification Program.

All BAED and BSED students are required to select a certification focus before their junior year.

BA certification tracks include:

Early Childhood-Grade 6

• **EC-6 Core Subjects**

Grades 4-8

• **4-8 Core Subjects**
• **4-8 English, Language Arts and Reading (ELAR)**
• **4-8 Science**
• **4-8 Social Studies**

Grades 7-12

• **7-12 Social Studies with a concentration in Economics**
• **7-12 Social Studies with a concentration in Geography**
• **7-12 Social Studies with a concentration in Government**
• **7-12 Social Studies with a concentration in History**

BS certification tracks include:

• **4-8 Mathematics**
• **4-8 Science**

Bachelor of Arts in Education with EC-6 Core
Subjects

Degree Requirements (120 semester credit hours)

View an Example of Degree Requirements by Semester

Faculty

Professors: George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith

Professors of Instruction: Jillian Duquaine-Watson, Tonja Wissinger

Associate Professors of Instruction: Kathleen Byrnes, Patricia A. Leek

Assistant Professors of Instruction: Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak

I. Core Curriculum Requirements: 42 semester credit hours

Communication: 6 semester credit hours

COMM 1311 Survey of Oral and Technology-based Communication

RHET 1302 Rhetoric

Or select any 6 semester credit hours from Communication Core courses (see advisor)

Mathematics: 3 semester credit hours

MATH 1314 College Algebra

Or select any 3 semester credit hours from Mathematics Core courses (see advisor)

Life and Physical Sciences: 6 semester credit hours

Select any 6 semester credit hours from Life and Physical Sciences Core courses (see advisor)

Language, Philosophy and Culture: 3 semester credit hours

Select any 3 semester credit hours from Language, Philosophy and Culture Core courses (see advisor)

Creative Arts: 3 semester credit hours

Select any 3 semester credit hours Creative Arts Core courses (see advisor)

American History: 6 semester credit hours

Select any 6 semester credit hours from American History Core courses (see advisor)

Government/Political Science: 6 semester credit hours
GOVT 2305 American National Government
GOVT 2306 State and Local Government

Or select any 6 semester credit hours from Government/Political Science Core courses (see advisor)

Social and Behavioral Sciences: 3 semester credit hours
Select any 3 semester credit hours from Social and Behavioral Sciences Core courses.³ (see advisor)

Component Area Option: 6 semester credit hours
Select any 6 semester credit hours from Component Area Option Core courses.³ (see advisor)

II. Major Requirements: 72-75 semester credit hours beyond Core Curriculum

Major Preparatory Courses: 0-3 semester credit hours beyond Core Curriculum

CLDP 2314 or PSY 2314 Lifespan Development

Foundations: 24 semester credit hours

Foundation I: Behavioral and Brain Sciences: 6 semester credit hours
6 semester credit hours of lower or upper-level PSY, CLDP, SPAU, NSC, CGS courses

Foundation II: Interdisciplinary Studies: 18 semester credit hours

AMS 4300 Oral and Written Communication for the Classroom
BIS 3320 The Nature of Intellectual Inquiry
BIS 4306 Strategies for Diversity in Education

3 semester credit hour lower- or upper-level course from AMS, GST, ISIS, or BIS 4V01 course
3 semester credit hour lower- or upper-level ISIS course
3 semester credit hour lower- or upper-level ISIS or ISNS course

General Education Courses: 48 semester credit hours

ED 3314 The American Public School
ED 3315 Children's Literature
ED 3339 Educational Psychology for Teachers
or PSY 3339 Educational Psychology
ED 3340 Math Concepts for Teachers
ED 3345 Art, Music, and Physical Development Grades EC - 6
ED 4351  ESL for K-12 Teachers
ED 4352  Reading I: Learning to Read
ED 4372  Educational Technology
ED 4693  Student Teaching - Elementary
18 semester credit hours of upper-level ED courses (see advisor)

III. Electives: 3-6 semester credit hours

Guided Electives: 1 semester credit hour

UNIV 1010  Freshman Seminar
BIS 1100  Interdisciplinary Studies Freshman Seminar

Free Electives: 2-5 semester credit hours
2-5 semester credit hour(s) of lower or upper-level electives

Bachelor of Arts in Education with 4-8 Core Subjects

Degree Requirements (120 semester credit hours)\(^1\)

View an Example of Degree Requirements by Semester

Faculty

Professors: George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith
Professors of Instruction: Jillian Duquaine-Watson, Tonja Wissinger
Associate Professors of Instruction: Kathleen Byrnes, Patricia A. Leek
Assistant Professors of Instruction: Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak

I. Core Curriculum Requirements: 42 semester credit hours\(^2\)

Communication: 6 semester credit hours

COMM 1311  Survey of Oral and Technology-based Communication
RHET 1302  Rhetoric
Or select any 6 semester credit hours from Communication Core courses (see advisor)
Mathematics: 3 semester credit hours

**MATH 1314** College Algebra

Or select any 3 semester credit hours from **Mathematics Core** courses (see advisor)

Life and Physical Sciences: 6 semester credit hours

Select any 6 semester credit hours from **Life and Physical Sciences Core** courses (see advisor)

Language, Philosophy and Culture: 3 semester credit hours

Select any 3 semester credit hours from **Language, Philosophy and Culture Core** courses (see advisor)

Creative Arts: 3 semester credit hours

Select any 3 semester credit hours from **Creative Arts Core** courses (see advisor)

American History: 6 semester credit hours

Select any 6 semester credit hours from **American History Core** courses (see advisor)

Government/Political Science: 6 semester credit hours

**GOVT 2305** American National Government

**GOVT 2306** State and Local Government

Or select any 6 semester credit hours from **Government/Political Science Core** courses (see advisor)

Social and Behavioral Sciences: 3 semester credit hours

Select any 3 semester credit hours from **Social and Behavioral Sciences Core** courses.² (see advisor)

Component Area Option: 6 semester credit hours

**MATH 1316** Trigonometry

or **MATH 2306** Analytic Geometry

**STAT 1342** Statistical Decision Making

or **PSY 2317** Statistics for Psychology

Select any 6 semester credit hours from **Component Area Option Core** courses.³ (see advisor)

II. Major Requirements: 75 semester credit hours beyond Core Curriculum

**Foundations: 30 semester credit hours**
Foundation I: 12 semester credit hours

12 semester credit hours of lower or upper-level courses from selected Foundation

Foundation II: Interdisciplinary Studies: 18 semester credit hours

AMS 4300 Oral and Written Communication for the Classroom
BIS 3320 The Nature of Intellectual Inquiry
BIS 4306 Strategies for Diversity in Education

3 semester credit hour lower- or upper-level course from AMS, GST, ISIS, or BIS 4V01 course

3 semester credit hour lower- or upper-level ISIS course

3 semester credit hour lower- or upper-level ISIS or ISNS course

General Education Courses: 45 semester credit hours

ED 3314 The American Public School
ED 3315 Children's Literature
ED 3339 Educational Psychology for Teachers
  or PSY 3339 Educational Psychology
ED 3340 Math Concepts for Teachers
ED 4351 ESL for K-12 Teachers
ED 4352 Reading I: Learning to Read
ED 4372 Educational Technology
ED 4693 Student Teaching - Elementary

18 semester credit hours of upper-level ED courses (see advisor)

III. Electives: 3 semester credit hours

Guided Electives: 1 semester credit hour

UNIV 1010 Freshman Seminar
BIS 1100 Interdisciplinary Studies Freshman Seminar

Free Electives: 2 semester credit hours

2 semester credit hours of lower or upper-level electives

Bachelor of Arts in Education with 4-8 English, Language Arts and Reading (ELAR)

Degree Requirements (120 semester credit hours)

View an Example of Degree Requirements by Semester

Faculty

Professors: George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith

Professors of Instruction: Jillian Duquaine-Watson, Tonja Wissinger

Associate Professors of Instruction: Kathleen Byrnes, Patricia A. Leek

Assistant Professors of Instruction: Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak

I. Core Curriculum Requirements: 42 semester credit hours

Communication: 6 semester credit hours

COMM 1311 Survey of Oral and Technology-based Communication

RHET 1302 Rhetoric

Or select any 6 semester credit hours from Communication Core courses (see advisor)

Mathematics: 3 semester credit hours

MATH 1314 College Algebra

Or select any 3 semester credit hour from Mathematics Core courses (see advisor)

Life and Physical Sciences: 6 semester credit hours

Select any 6 semester credit hours from Life and Physical Sciences Core courses (see advisor)

Language, Philosophy and Culture: 3 semester credit hours

Select any 3 semester credit hours from Language, Philosophy and Culture Core courses (see advisor)

Creative Arts: 3 semester credit hours

Select any 3 semester credit hours Creative Arts Core courses (see advisor)

American History: 6 semester credit hours

Select any 6 semester credit hours from American History Core courses (see advisor)
Government/Political Science: 6 semester credit hours

**GOVT 2305** American National Government

**GOVT 2306** State and Local Government

Or select any 6 semester credit hours from **Government/Political Science Core** courses (see advisor)

Social and Behavioral Sciences: 3 semester credit hours

Select any 3 semester credit hours from **Social and Behavioral Sciences Core** courses (see advisor)

Component Area Option: 6 semester credit hours

Select any 6 semester credit hours from **Component Area Option Core** courses (see advisor)

II. Major Requirements: 72 semester credit hours beyond Core Curriculum

Foundations: 36 semester credit hours

*Foundation I: Arts and Humanities: 21 semester credit hours*

- **LIT 2350** Close Reading
- **LIT 3330** Linguistics
  
  or **BIS 4306** Strategies for Diversity in Education
- **LIT 3339** Writing Literary Studies

3 semester credit hour upper-level course from **AHST, ARTS, COMM, CRWT, DANC, FILM, MUSI** or **THE A**

3 semester credit hour upper-level **HIST** course

3 semester credit hour lower- or upper-level **LIT** course

3 semester credit hour upper-level **LIT** course

*Foundation II: Interdisciplinary Studies: 15 semester credit hours*

- **AMS 4300** Oral and Written Communication for the Classroom
- **BIS 3320** The Nature of Intellectual Inquiry

3 semester credit hour lower- or upper-level course from **AMS, GST, ISIS**, or **BIS 4V01** course

3 semester credit hour lower- or upper-level **ISIS** course

3 semester credit hour lower- or upper-level **ISIS** or **ISNS** course

*General Education Courses: 36 semester credit hours*
ED 3314 The American Public School
ED 3315 Children's Literature
ED 3339 Educational Psychology for Teachers
  or PSY 3339 Educational Psychology
ED 4351 ESL for K-12 Teachers
ED 4352 Reading I: Learning to Read
ED 4372 Educational Technology
ED 4693 Student Teaching - Elementary
  or ED 4694 Student Teaching Secondary

12 semester credit hours of upper-level ED courses (see advisor)

III. Electives: 6 semester credit hours

Guided Electives: 1 semester credit hour
  
  UNIV 1010 Freshman Seminar
  
  BIS 1100 Interdisciplinary Studies Freshman Seminar

Free Electives: 5 semester credit hours
  
  5 semester credit hours of lower or upper-level electives

Bachelor of Arts in Education with 4-8 Science

Degree Requirements (120 semester credit hours)¹

View an Example of Degree Requirements by Semester

Faculty

Professors: George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith

Professors of Instruction: Jillian Duquaine-Watson, Tonja Wissinger

Associate Professors of Instruction: Kathleen Byrnes, Patricia A. Leek

Assistant Professors of Instruction: Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak

I. Core Curriculum Requirements: 42 semester credit hours²

  Communication: 6 semester credit hours
COMM 1311 Survey of Oral and Technology-based Communication

RHET 1302 Rhetoric

Or select any 6 semester credit hours from Communication Core courses (see advisor)

Mathematics: 3 semester credit hours

MATH 1314 College Algebra

Or select any 3 semester credit hours from Mathematics Core courses (see advisor)

Life and Physical Sciences: 6 semester credit hours

BIOL 2311 Introduction to Modern Biology I

or BIOL 1300 Body Systems with Lab

BIOL 2312 Introduction to Modern Biology II

Or select any 6 semester credit hours from Life and Physical Sciences Core courses (see advisor)

Language, Philosophy and Culture: 3 semester credit hours

Select any 3 semester credit hours from Language, Philosophy and Culture Core courses (see advisor)

Creative Arts: 3 semester credit hours

Select any 3 semester credit hours Creative Arts Core courses (see advisor)

American History: 6 semester credit hours

Select any 6 semester credit hours from American History Core courses (see advisor)

Government/Political Science: 6 semester credit hours

GOVT 2305 American National Government

GOVT 2306 State and Local Government

Or select any 6 semester credit hours from Government/Political Science Core courses (see advisor)

Social and Behavioral Sciences: 3 semester credit hours

Select any 3 semester credit hours from Social and Behavioral Sciences Core courses (see advisor)

Component Area Option: 6 semester credit hours

CHEM 1311 General Chemistry I

and CHEM 1111 General Chemistry Laboratory I

NATS 1311 The Universe, and Everything Else
II. Major Requirements: 54-66 semester credit hours beyond Core Curriculum

**Major Preparatory Courses: 0-10 semester credit hours beyond Core Curriculum**

- **GEOS 1303** Physical Geology^5^ and **GEOS 1103** Physical Geology Laboratory
- or **GEOS 1304** History of Earth and Life^5^ and **GEOS 1104** History of Earth and Life Laboratory
- or **GEOS 2310** Environmental Geology^5^
- **ISNS 2367** The Oceans^5^
- or **ISNS 2359** Earthquakes and Volcanoes^5^
- **ISNS 2368** Weather and Climate^5^
- or **ISNS 2366** Global Climate Change

**Foundations: 27-29 semester credit hours**

*Foundation I: Natural Science and Mathematics: 9-11 semester credit hours*

- **BIOL 3318** Forensic Biology
  - or **BIOL 3456** Human Anatomy and Physiology with Lab II
- **BIOL 3388** Honey Bee Biology
  - or **BIOL 3455** Human Anatomy and Physiology with Lab I
- **ISNS 3373** Our Nearest Neighbors in the Sky

*Foundation II: Interdisciplinary Studies: 18 semester credit hours*

- **AMS 4300** Oral and Written Communication for the Classroom
- **BIS 3320** The Nature of Intellectual Inquiry
- **BIS 4306** Strategies for Diversity in Education
- **NSC 3361** Introduction to Neuroscience

  3 semester credit hour lower- or upper-level course from **AMS**, **GST**, **ISIS**, or **BIS 4V01** course

  3 semester credit hour lower- or upper-level **ISIS** course

**General Education Courses: 27 semester credit hours**

- **ED 3314** The American Public School
**Bachelor of Arts in Education with 4-8 Social Studies**

**Degree Requirements** (120 semester credit hours)

View an Example of Degree Requirements by Semester

Faculty

**Professors:** George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith

**Professors of Instruction:** Jillian Duquaine-Watson, Tonja Wissinger

**Associate Professors of Instruction:** Kathleen Byrnes, Patricia A. Leek

**Assistant Professors of Instruction:** Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak

I. Core Curriculum Requirements: 42 semester credit hours

**Communication: 6 semester credit hours**

**COMM 1311** Survey of Oral and Technology-based Communication

**RHET 1302** Rhetoric

Or select any 6 semester credit hours from Communication Core courses (see advisor)
Mathematics: 3 semester credit hours

**MATH 1314** College Algebra

Or select any 3 semester credit hours from **Mathematics Core** courses (see advisor)

Life and Physical Sciences: 6 semester credit hours

Select any 6 semester credit hours from **Life and Physical Sciences Core** courses (see advisor)

Language, Philosophy and Culture: 3 semester credit hours

Select any 3 semester credit hours from **Language, Philosophy and Culture Core** courses (see advisor)

Creative Arts: 3 semester credit hours

Select any 3 semester credit hours **Creative Arts Core** courses (see advisor)

American History: 6 semester credit hours

**HIST 1301** U.S. History Survey to Civil War

**HIST 1302** U.S. History Survey from Civil War

Or select any 6 semester credit hours from **American History Core** courses (see advisor)

Government/Political Science: 6 semester credit hours

**GOVT 2305** American National Government

**GOVT 2306** State and Local Government

Or select any 6 semester credit hours from **Government/Political Science Core** courses (see advisor)

Social and Behavioral Sciences: 3 semester credit hours

**ECON 2301** Principles of Macroeconomics

or **ECON 2302** Principles of Microeconomics

Or select any 3 semester credit hours from **Social and Behavioral Sciences Core** courses (see advisor)

Component Area Option: 6 semester credit hours

Select any 6 semester credit hours from **Component Area Option Core** courses (see advisor)

II. Major Requirements: 60-63 semester credit hours beyond Core Curriculum

**Major Preparatory Courses: 0-6 semester credit hours beyond Core Curriculum**
GEOG 2302 The Global Environment
or GEOG 2303 People and Place: An Introduction to World Geographic Regions
HIST 2301 History of Texas

Foundations: 30 semester credit hours

Foundation I: Economic, Political and Policy Sciences: 9 semester credit hours

ECON 3332 Economic Geography
or ECON 3337 Economics of Poverty and Inequality
or ECON 4320 Public Sector Economics
GEOG 3331 Urban Growth and Structure
or GEOG 3359 Human Migration and Mobility: Global Patterns
or GEOG 3370 The Global Economy
PSCI 3323 American Federalism
or PSCI 3362 The American Political Institutions

Foundation II: Interdisciplinary Studies: 21 semester credit hours

AMS 4300 Oral and Written Communication for the Classroom
AMS 4305 World History for Teachers
BIS 3320 The Nature of Intellectual Inquiry
3 semester credit hour upper-level HIST course
3 semester credit hour lower- or upper-level course from AMS, GST, ISIS, or BIS 4V01 course
3 semester credit hour lower- or upper-level ISIS course
3 semester credit hour lower- or upper-level ISIS or ISNS course

General Education Courses: 27 semester credit hours

ED 3314 The American Public School
ED 3339 Educational Psychology for Teachers
or PSY 3339 Educational Psychology
ED 4351 ESL for K-12 Teachers
ED 4353 Reading in Secondary Content
ED 4372 Educational Technology
ED 4693 Student Teaching - Elementary
or ED 4694 Student Teaching Secondary
6 semester credit hours of upper-level ED courses (see advisor)

III. Electives: 15-21 semester credit hours

Guided Electives: 1 semester credit hour

**UNIV 1010** Freshman Seminar

**BIS 1100** Interdisciplinary Studies Freshman Seminar

Free Electives: 20 semester credit hours

17 semester credit hours of lower or upper-level electives

Bachelor of Arts in Education with 7-12 Social Studies (Economics Concentration)

*Degree Requirements* (120 semester credit hours)\(^1\)

*View an Example of Degree Requirements by Semester*

Faculty

**Professors:** George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith

**Professors of Instruction:** Jillian Duquaine-Watson, Tonja Wissinger

**Associate Professors of Instruction:** Kathleen Byrnes, Patrícia A. Leek

**Assistant Professors of Instruction:** Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak

I. Core Curriculum Requirements: 42 semester credit hours\(^2\)

Communication: 6 semester credit hours

**COMM 1311** Survey of Oral and Technology-based Communication

**RHET 1302** Rhetoric

Or select any 6 semester credit hours from Communication Core courses (see advisor)

Mathematics: 3 semester credit hours

**MATH 1325** Applied Calculus [5, 6, 7]

Or select any 3 semester credit hours from Mathematics Core courses (see advisor)

Life and Physical Sciences: 6 semester credit hours
Select any 6 semester credit hours from Life and Physical Sciences Core courses (see advisor)

Language, Philosophy and Culture: 3 semester credit hours
Select any 3 semester credit hours from Language, Philosophy and Culture Core courses (see advisor)

Creative Arts: 3 semester credit hours
Select any 3 semester credit hours Creative Arts Core courses (see advisor)

American History: 6 semester credit hours
Select any 6 semester credit hours from American History Core courses (see advisor)

Government/Political Science: 6 semester credit hours
- GOVT 2305 American National Government
- GOVT 2306 State and Local Government
Or select any 6 semester credit hours from Government/Political Science Core courses (see advisor)

Social and Behavioral Sciences: 3 semester credit hours
- ECON 2301 Principles of Macroeconomics
- ECON 2302 Principles of Microeconomics
Or select any 3 semester credit hours from Social and Behavioral Sciences Core courses (see advisor)

Component Area Option: 6 semester credit hours
- STAT 1342 Statistical Decision Making
  or EPPS 2302 Methods of Quantitative Analysis in the Social and Policy Sciences
- ECON 2302 Principles of Microeconomics
Or select any 6 semester credit hours from Component Area Option Core courses (see advisor)

II. Major Requirements: 57-66 semester credit hours beyond Core Curriculum

Major Preparatory Courses: 0-9 semester credit hours beyond Core Curriculum
- ECON 2301 Principles of Macroeconomics
- ECON 2302 Principles of Microeconomics
- GEOG 2302 The Global Environment
- GEOG 2303 People and Place: An Introduction to World Geographic Regions
- HIST 2301 History of Texas
**MATH 1325** Applied Calculus I, II, VII

**Foundations: 33 semester credit hours**

*Foundation I: Economic, Political and Policy Sciences: 18 semester credit hours*

- **ECON 3330** Economics of Health
  - or **ECON 3337** Economics of Poverty and Inequality
  - or **ECON 3381** Economic History

- **ECON 3310** Intermediate Microeconomic Theory
- **ECON 3311** Intermediate Macroeconomic Theory
- **ECON 3312** Money and Banking
  - or **ECON 4360** International Trade

- **ECON 4320** Public Sector Economics
  - or **ECON 4345** Industrial Organization

- **ECON 4362** Development Economics
  - or **ECON 4382** International Finance

*Foundation II: Interdisciplinary Studies: 15 semester credit hours*

- **AMS 4300** Oral and Written Communication for the Classroom
- **AMS 4305** World History for Teachers
- **BIS 3320** The Nature of Intellectual Inquiry

- 3 semester credit hour lower- or upper-level **ISIS** course
- 3 semester credit hour lower- or upper-level **ISIS** or **ISNS** course

**General Education Courses: 24 semester credit hours**

- **ED 3314** The American Public School
- **ED 3339** Educational Psychology for Teachers
  - or **PSY 3339** Educational Psychology
- **ED 4353** Reading in Secondary Content
- **ED 4372** Educational Technology
- **ED 4694** Student Teaching Secondary
  - or **ED 4693** Student Teaching - Elementary

- 6 semester credit hours of upper-level ED courses (see advisor)

III. Electives: 12-21 semester credit hours

Guided Electives: 1 semester credit hour

UNIV 1010 Freshman Seminar
BIS 1100 Interdisciplinary Studies Freshman Seminar

Free Electives: 11-20 semester credit hours

11-20 semester credit hours of lower or upper-level electives

Bachelor of Arts in Education with 7-12 Social Studies (Geography Concentration)

Degree Requirements (120 semester credit hours)¹

View an Example of Degree Requirements by Semester

Faculty

Professors: George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith
Proffessors of Instruction: Jillian Duquaine-Watson, Tonja Wissinger
Associate Professors of Instruction: Kathleen Byrnes, Patricia A. Leek
Assistant Professors of Instruction: Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak

I. Core Curriculum Requirements: 42 semester credit hours²

Communication: 6 semester credit hours

COMM 1311 Survey of Oral and Technology-based Communication
RHET 1302 Rhetoric
Or select any 6 semester credit hours from Communication Core courses (see advisor)

Mathematics: 3 semester credit hours

MATH 1314 College Algebra
Or select any 3 semester credit hours from Mathematics Core courses (see advisor)

Life and Physical Sciences: 6 semester credit hours

GEOS 1303 Physical Geology³
**GEOS 1304** History of Earth and Life

Or select any 6 semester credit hours from **Life and Physical Sciences Core** courses (see advisor)

**Language, Philosophy and Culture: 3 semester credit hours**

Select any 3 semester credit hours from **Language, Philosophy and Culture Core** courses (see advisor)

**Creative Arts: 3 semester credit hours**

Select any 3 semester credit hours **Creative Arts Core** courses (see advisor)

**American History: 6 semester credit hours**

Select any 6 semester credit hours from **American History Core** courses (see advisor)

**Government/Political Science: 6 semester credit hours**

- **GOVT 2305** American National Government
- **GOVT 2306** State and Local Government

Or select any 6 semester credit hours from **Government/Political Science Core** courses (see advisor)

**Social and Behavioral Sciences: 3 semester credit hours**

- **GEOG 2303** People and Place: An Introduction to World Geographic Regions

Or select any 3 semester credit hours from **Social and Behavioral Sciences Core** courses (see advisor)

**Component Area Option: 6 semester credit hours**

- **ECON 2301** Principles of Macroeconomics
- **GEOG 2302** The Global Environment

Or select any 6 semester credit hours from **Component Area Option Core** courses (see advisor)

II. Major Requirements: 52-61 semester credit hours beyond Core Curriculum

**Major Preparatory Courses: 1-10 semester credit hours beyond Core Curriculum**

- **ECON 2301** Principles of Macroeconomics
- **ECON 2302** Principles of Microeconomics
- **GEOG 2302** The Global Environment
- **GEOG 2303** People and Place: An Introduction to World Geographic Regions
- **GEOS 1303** Physical Geology
and GEOS 1103 Physical Geology Laboratory

GEOS 1304 History of Earth and Life

GEOS 2310 Environmental Geology

HIST 2301 History of Texas

Foundations: 27 semester credit hours

Foundation I: Economic, Political and Policy Sciences: 12 semester credit hours

GEOG 3359 Human Migration and Mobility: Global Patterns

GEOG 3370 The Global Economy

GEOG 3372 Population and Development

3 semester credit hour upper-level GEOG course

Foundation II: Interdisciplinary Studies: 15 semester credit hours

AMS 4300 Oral and Written Communication for the Classroom

AMS 4305 World History for Teachers

BIS 3320 The Nature of Intellectual Inquiry

3 semester credit hour lower- or upper-level ISIS course

3 semester credit hour lower- or upper-level ISIS or ISNS course

General Education Courses: 24 semester credit hours

ED 3314 The American Public School

ED 3339 Educational Psychology for Teachers

or PSY 3339 Educational Psychology

ED 4353 Reading in Secondary Content

ED 4372 Educational Technology

ED 4694 Student Teaching Secondary

or ED 4693 Student Teaching - Elementary

6 semester credit hours of upper-level ED courses (see advisor)

III. Electives: 17-26 semester credit hours

Guided Electives: 1 semester credit hour

UNIV 1010 Freshman Seminar

BIS 1100 Interdisciplinary Studies Freshman Seminar
Free Electives: 11-20 semester credit hours

11-20 semester credit hours of lower or upper-level electives

Bachelor of Arts in Education with 7-12 Social Studies (Government Concentration)

Degree Requirements (120 semester credit hours)¹

View an Example of Degree Requirements by Semester

Faculty

Professors: George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith

Professors of Instruction: Jillian Duquaine-Watson, Tonja Wissinger

Associate Professors of Instruction: Kathleen Byrnes, Patricia A. Leek

Assistant Professors of Instruction: Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak

I. Core Curriculum Requirements: 42 semester credit hours²

Communication: 6 semester credit hours

COMM 1311 Survey of Oral and Technology-based Communication
RHET 1302 Rhetoric

Or select any 6 semester credit hours from Communication Core courses (see advisor)

Mathematics: 3 semester credit hours

MATH 1314 College Algebra

Or select any 3 semester credit hours from Mathematics Core courses (see advisor)

Life and Physical Sciences: 6 semester credit hours

Select any 6 semester credit hours from Life and Physical Sciences Core courses (see advisor)

Language, Philosophy and Culture: 3 semester credit hours

Select any 3 semester credit hours from Language, Philosophy and Culture Core courses (see advisor)

Creative Arts: 3 semester credit hours

Select any 3 semester credit hours Creative Arts Core courses (see advisor)
American History: 6 semester credit hours

Select any 6 semester credit hours from American History Core courses (see advisor)

Government/Political Science: 6 semester credit hours

GOVT 2305 American National Government
GOVT 2306 State and Local Government

Or select any 6 semester credit hours from Government/Political Science Core courses (see advisor)

Social and Behavioral Sciences: 3 semester credit hours

GEOG 2303 People and Place: An Introduction to World Geographic Regions

Or select any 3 semester credit hours from Social and Behavioral Sciences Core courses (see advisor)

Component Area Option: 6 semester credit hours

ECON 2301 Principles of Macroeconomics

Or select any 6 semester credit hours from Component Area Option Core courses (see advisor)

II. Major Requirements: 63-66 semester credit hours beyond Core Curriculum

Major Preparatory Courses: 0–3 semester credit hours beyond Core Curriculum

HIST 2301 History of Texas

Foundations: 39 semester credit hours

Foundation I: Economic, Political and Policy Sciences: 24 semester credit hours

PSCI 3301 Political Theory
PSCI 3306 Political Economy
PSCI 3310 Managing Government Organizations

or PSCI 3362 The American Political Institutions

or 3 semester credit hour upper-level PSCI course

PSCI 3323 American Federalism

or PSCI 4329 Global Politics
or PSCI 4354 Contemporary Political Thought
or PSCI 4V99 Senior Honors in Government and Politics
PSCI 3327 American Foreign Policy
    or PSCI 3328 International Relations
    or PSCI 3333 Political Behavior
    or PSCI 3350 Comparative Politics
PSCI 4364 Civil Rights Law and Society
    or PSCI 3303 Civil Liberties
    or PSCI 3322 Constitutional Law
3 semester credit hour upper-level ECON course
3 semester credit hour upper-level GEOG course

Foundation II: Interdisciplinary Studies: 15 semester credit hours
    AMS 4300 Oral and Written Communication for the Classroom
    AMS 4305 World History for Teachers
    BIS 3320 The Nature of Intellectual Inquiry
3 semester credit hour lower- or upper-level ISIS course
3 semester credit hour lower- or upper-level ISIS or ISNS course

General Education Courses: 24 semester credit hours
    ED 3314 The American Public School
    ED 3339 Educational Psychology for Teachers
        or PSY 3339 Educational Psychology
    ED 4353 Reading in Secondary Content
    ED 4372 Educational Technology
    ED 4694 Student Teaching Secondary
        or ED 4693 Student Teaching - Elementary
6 semester credit hour of upper-level ED courses (see advisor)

III. Electives: 12-15 semester credit hours

Guided Electives: 1 semester credit hour
    UNIV 1010 Freshman Seminar
    BIS 1100 Interdisciplinary Studies Freshman Seminar

Free Electives: 11-14 semester credit hours
Bachelor of Arts in Education with 7-12 Social Studies (History Concentration)

Degree Requirements (120 semester credit hours)

View an Example of Degree Requirements by Semester

Faculty

Professors: George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith

Professors of Instruction: Jillian Duquaine-Watson, Tonja Wissinger

Associate Professors of Instruction: Kathleen Byrnes, Patricia A. Leek

Assistant Professors of Instruction: Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak

I. Core Curriculum Requirements: 42 semester credit hours

Communication: 6 semester credit hours

COMM 1311 Survey of Oral and Technology-based Communication

RHET 1302 Rhetoric

Or select any 6 semester credit hours from Communication Core courses (see advisor)

Mathematics: 3 semester credit hours

MATH 1314 College Algebra

Or select any 3 semester credit hours from Mathematics Core courses (see advisor)

Life and Physical Sciences: 6 semester credit hours

Select any 6 semester credit hours from Life and Physical Sciences Core courses (see advisor)

Language, Philosophy and Culture: 3 semester credit hours

Select any 3 semester credit hours from Language, Philosophy and Culture Core courses (see advisor)

Creative Arts: 3 semester credit hours

Select any 3 semester credit hours Creative Arts Core courses (see advisor)

American History: 6 semester credit hours
Select any 6 semester credit hours from American History Core courses\(^3\) (see advisor)

**Government/Political Science: 6 semester credit hours**

- **GOVT 2305** American National Government
- **GOVT 2306** State and Local Government

Or select any 6 semester credit hours from Government/Political Science Core courses (see advisor)

**Social and Behavioral Sciences: 3 semester credit hours**

- **GEOG 2303** People and Place: An Introduction to World Geographic Regions

Or select any 3 semester credit hours from Social and Behavioral Sciences Core courses.\(^3\) (see advisor)

**Component Area Option: 6 semester credit hours**

- **ECON 2301** Principles of Macroeconomics

Or select any 6 semester credit hours from Component Area Option Core courses.\(^3\) (see advisor)

II. Major Requirements: 63-66 semester credit hours beyond Core Curriculum

**Major Preparatory Courses: 0-3 semester credit hours beyond Core Curriculum**

- **HIST 2301** History of Texas\(^5\)

**Foundations: 39 semester credit hours**

*Foundation I: Economic, Political and Policy Sciences: 12 semester credit hours*

- 3 semester credit hour upper-level **ECON** course
- 3 semester credit hour upper-level **GEOG** course
- 3 semester credit hour upper-level **PSCI** course
- 3 semester credit hour lower- or upper-level **PSCI** course

*Foundation II: Interdisciplinary Studies: 27 semester credit hours*

- **AMS 4300** Oral and Written Communication for the Classroom
- **AMS 4305** World History for Teachers
- **BIS 3320** The Nature of Intellectual Inquiry
- **HIST 3301** Historical Inquiry

9 semester credit hours of upper-level **HIST** courses
3 semester credit hour lower- or upper-level ISIS course
3 semester credit hour lower- or upper-level ISIS or ISNS course

**General Education Courses: 24 semester credit hours**

- **ED 3314** The American Public School
- **ED 3339** Educational Psychology for Teachers
- or **PSY 3339** Educational Psychology
- **ED 4353** Reading in Secondary Content
- **ED 4372** Educational Technology
- **ED 4694** Student Teaching Secondary
- or **ED 4693** Student Teaching - Elementary

6 semester credit hours of upper-level ED courses (see advisor)

**III. Electives: 12-15 semester credit hours**

**Guided Electives: 1 semester credit hour**

- **UNIV 1010** Freshman Seminar
- **BIS 1100** Interdisciplinary Studies Freshman Seminar

**Free Electives: 11-14 semester credit hours**

11-14 semester credit hours of lower or upper-level electives

**Bachelor of Science in Education with 4-8 Mathematics**

*Degree Requirements* (120 semester credit hours)

*View an Example of Degree Requirements by Semester*

**Faculty**

- **Professors:** George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith
- **Professors of Instruction:** Jillian Duquaine-Watson, Tonja Wissinger
- **Associate Professors of Instruction:** Kathleen Byrnes, Patricia A. Leek
- **Assistant Professors of Instruction:** Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak
I. Core Curriculum Requirements: 42 semester credit hours

Communication: 6 semester credit hours

COMM 1311 Survey of Oral and Technology-based Communication
RHET 1302 Rhetoric
Or select any 6 semester credit hours from Communication Core courses (see advisor)

Mathematics: 3 semester credit hours

MATH 2413 Differential Calculus
or MATH 2417 Calculus I
Or select any 3 semester credit hours from Mathematics Core courses (see advisor)

Life and Physical Sciences: 6 semester credit hours

Select any 6 semester credit hours from Life and Physical Sciences Core courses (see advisor)

Language, Philosophy and Culture: 3 semester credit hours

Select any 3 semester credit hours from Language, Philosophy and Culture Core courses (see advisor)

Creative Arts: 3 semester credit hours

Select any 3 semester credit hours from Creative Arts Core courses (see advisor)

American History: 6 semester credit hours

Select any 6 semester credit hours from American History Core courses (see advisor)

Government/Political Science: 6 semester credit hours

GOVT 2305 American National Government
GOVT 2306 State and Local Government
Or select any 6 semester credit hours from Government/Political Science Core courses (see advisor)

Social and Behavioral Sciences: 3 semester credit hours

Select any 3 semester credit hours from Social and Behavioral Sciences Core courses (see advisor)

Component Area Option: 6 semester credit hours

MATH 2414 Integral Calculus
or MATH 2419 Calculus II
**II. Major Requirements: 66-72 semester credit hours beyond Core Curriculum**

**Major Preparatory Courses: 0-3 semester credit hours beyond Core Curriculum**

- **MATH 2312** Precalculus

**Foundations: 39-42 semester credit hours**

*Foundation I: Natural Science and Mathematics: 21-24 semester credit hours*

- **MATH 2333** Matrices, Vectors, and Their Application
  
  or **MATH 2418** Linear Algebra

- **MATH 3303** Introduction to Mathematical Modeling

- **MATH 3305** Foundations of Measurement and Informal Geometry
  
  or **MATH 3321** Geometry

- **MATH 3307** Mathematical Problem Solving for Teachers

- **STAT 3360** Probability and Statistics for Management and Economics

  Two 3-4 semester credit hour upper-level Mathematics or Science courses (see advisor)

*Foundation II: Interdisciplinary Studies: 18 semester credit hours*

- **AMS 4300** Oral and Written Communication for the Classroom

- **BIS 3320** The Nature of Intellectual Inquiry

- **BIS 4306** Strategies for Diversity in Education

  9 semester credit hours of lower- or upper-level ISNS courses

**General Education Courses: 27 semester credit hours**

- **ED 3314** The American Public School

- **ED 3339** Educational Psychology for Teachers

- **ED 4351** ESL for K-12 Teachers

- **ED 4353** Reading in Secondary Content

- **ED 4372** Educational Technology

- **ED 4693** Student Teaching - Elementary
  
  or **ED 4694** Student Teaching Secondary
6 semester credit hours of upper-level ED courses (see advisor)

III. Electives: 6-12 semester credit hours

Guided Electives: 1 semester credit hour

- **UNIV 1010** Freshman Seminar
- **BIS 1100** Interdisciplinary Studies Freshman Seminar

Free Electives: 5-11 semester credit hours

5-11 semester credit hours of lower or upper-level electives

**Bachelor of Science in Education with 4-8 Science**

*Degree Requirements* (120 semester credit hours)

*View an Example of Degree Requirements by Semester*

Faculty

Professors: George W. Fair, Karen J. Prager, Lawrence J. Redlinger, Erin A. Smith

Professors of Instruction: Jillian Duquaine-Watson, Tonja Wissinger

Associate Professors of Instruction: Kathleen Byrnes, Patricia A. Leek

Assistant Professors of Instruction: Syed Naqvi, Neall Pogue, Azadeh Stark, Larissa Werhnyak

I. Core Curriculum Requirements: 42 semester credit hours

**Communication: 6 semester credit hours**

- **COMM 1311** Survey of Oral and Technology-based Communication
- **RHET 1302** Rhetoric

Or select any 6 semester credit hours from *Communication Core* courses (see advisor)

**Mathematics: 3 semester credit hours**

- **MATH 1325** Applied Calculus I
  - or **MATH 2413** Differential Calculus
  - or **MATH 2417** Calculus I

Or select any 3 semester credit hours from *Mathematics Core* courses (see advisor)
Life and Physical Sciences: 6 semester credit hours

**BIOL 2311** Introduction to Modern Biology I

or **BIOL 1300** Body Systems with Lab

**BIOL 2312** Introduction to Modern Biology II

Or select any 6 semester credit hours from **Life and Physical Sciences Core** courses (see advisor)

Language, Philosophy and Culture: 3 semester credit hours

Select any 3 semester credit hours from **Language, Philosophy and Culture Core** courses (see advisor)

Creative Arts: 3 semester credit hours

Select any 3 semester credit hours from **Creative Arts Core** courses (see advisor)

American History: 6 semester credit hours

Select any 6 semester credit hours from **American History Core** courses (see advisor)

Government/Political Science: 6 semester credit hours

**GOVT 2305** American National Government

**GOVT 2306** State and Local Government

Or select any 6 semester credit hours from **Government/Political Science Core** courses (see advisor)

Social and Behavioral Sciences: 3 semester credit hours

Select any 3 semester credit hours from **Social and Behavioral Sciences Core** courses (see advisor)

Component Area Option: 6 semester credit hours

**MATH 1326** Applied Calculus II

or **MATH 2414** Integral Calculus

or **MATH 2419** Calculus II

**MATH 2415** Calculus of Several Variables

Or select any 6 semester credit hours from **Component Area Option Core** courses (see advisor)

II. Major Requirements: 54-76 semester credit hours beyond Core Curriculum

**Major Preparatory Courses: 0-18 semester credit hours beyond Core Curriculum**

**CHEM 1311** General Chemistry I and **CHEM 1111** General Chemistry Laboratory I
GEOS 1303 Physical Geology\(^5\) and GEOS 1103 Physical Geology Laboratory
or GEOS 1304 History of Earth and Life\(^5\) and GEOS 1104 History of Earth and Life Laboratory
or GEOS 2310 Environmental Geology\(^5\)
ISNS 2367 The Oceans\(^5\)
or ISNS 2359 Earthquakes and Volcanoes\(^5\)
ISNS 2368 Weather and Climate\(^5\)
or ISNS 2366 Global Climate Change
NATS 1311 The Universe, and Everything Else\(^5\)
or PHYS 1301 College Physics I\(^5\) and PHYS 2125 Physics Laboratory I\(^5\)

Foundations: 27-31 semester credit hours

Foundation I: Natural Science and Mathematics: 15-19 semester credit hours

BIOL 3318 Forensic Biology
or BIOL 3456 Human Anatomy and Physiology with Lab II
BIOL 3388 Honey Bee Biology
or BIOL 3455 Human Anatomy and Physiology with Lab I
ISNS 3373 Our Nearest Neighbors in the Sky
Two 3-4 semester credit hour upper-level Mathematics or Science courses (see advisor)

Foundation II: Interdisciplinary Studies: 12 semester credit hours

AMS 4300 Oral and Written Communication for the Classroom
BIS 3320 The Nature of Intellectual Inquiry
BIS 4306 Strategies for Diversity in Education
NSC 3361 Introduction to Neuroscience

General Education Courses: 27 semester credit hours

ED 3314 The American Public School
ED 3339 Educational Psychology for Teachers
ED 4351 ESL for K-12 Teachers
ED 4353 Reading in Secondary Content
ED 4372 Educational Technology
ED 4693 Student Teaching - Elementary
or ED 4694 Student Teaching Secondary
III. Electives: 2-24 semester credit hours

Guided Electives: 1 semester credit hour

**UNIV 1010** Freshman Seminar

**BIS 1100** Interdisciplinary Studies Freshman Seminar

Free Electives: 1-23 semester credit hours

1-23 semester credit hours of lower or upper-level electives

1. Incoming freshmen must enroll and complete requirements of UNIV 1010 and the corresponding school-related freshman seminar course. Students, including transfer students, who complete their core curriculum at UT Dallas must take UNIV 2020.

2. Curriculum Requirements can be fulfilled by other approved courses from institutions of higher education. The courses listed are recommended as the most efficient way to satisfy both Core Curriculum and Major Requirements at UT Dallas.

3. Students are strongly encouraged to take core courses that are closely related to their foundations, concentrations, and career goals.

4. Requires enrollment in corequisite lab course.

5. A required Major course that also fulfills a Core Curriculum requirement. Semester credit hours may be counted in Core Curriculum.

6. Indicates a prerequisite class to be completed before enrolling for upper-division classes.

7. Preferred course for 7-12 Social Studies (Economics Concentration).

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