

INTERDISCIPLINARY STUDIES (4-8 MATHEMATICS CONCENTRATION), BACHELOR OF SCIENCE

The University Core Curriculum is the same across all undergraduate bachelor's programs. Please consult the academic advisor for your designated major before selecting courses in this area.

Summary

Code	Title	Hours
	General Education Core Curriculum (p. 1)	42
	Major Requirements (p. 1)	59
	Other Requirement (p. 1)	21
	Minor Requirement (p. 1)	0
Total Hours		122

General Education Core Curriculum (Standard)¹

Code	Title	Hours
Communication		
ENGL 1301	Freshman English I	3
ENGL 1302	Freshman English II	3
Mathematics		
MATH 1314	College Algebra	3
Life and Physical Sciences		
BIOL 1308	Survey of Life Science	3
GEOL 1303	Introduction To The Earth	3
Language, Philosophy, and Culture		
ENGL 2332	World Literature I	3
Creative Arts		
MUSI 1315	Fine Arts In Daily Living	3
American History		
HIST 1301	Soc & Pol Hist US to 1877	3
HIST 1302	Soc & Pol Hist US Since 1877	3
Government/Political Science		
POLS 2305	American Government	3
POLS 2306	Texas Government	3
Social and Behavioral Sciences		
PSYC 2301	General Psychology	3
Institutional Options		
COMM 1321 or COMM 1315	Business & Professional Comm Public Address	3
EDCI 210	Ins Tec	3
Total Hours		42

1

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

2

(N) represents the number of course credits.

Major (4-8 Mathematics Concentration)

Code	Title	Hours
Relative to Concentration		
MATH 2312	Precalculus Math	3
MATH 2413	Calculus & Analytic Geomtry I	4
MATH 2414	Calculus&Analytic Geometry II	4
MATH 250	Linear Algebra	3
MATH 331	Foundations of Mathematics	3
MATH 430	The History Of Mathematics	3
RDG 302	Reading Skills Development	3
RDG 401	Div Pop	3
Professional Development		
EDCI 310	Field Based I Perf Focus Tchng	3
EDCI 328	Field Based -II Perf Focus Tch	3
EDCI 330	Content Foc TCHG: Mathematics	3
EDCI 339	Classrm Mngt	3
EDCI 346	Intro to Edu Psychology	3
EDCI 350	Desgng & Implg Inst/Assessment	3
EDCI 404	Cert Sem	3
EDCI 450	DIR STU TCH GRD 4-8	6
EDCI 451	Curriculum & Assessment for English Language	3
EDCI 458	Seminar in Teaching	3
Total Hours		59

Other Requirement

Code	Title	Hours
MATH 1350	Str & App of Numb Sys	3
MATH 1351	Fnds of Geom, Stat & Pro	3
SPED 370	Survey Exceptional EducationII	3
EDCI 340	Ins Tec II	3
KIN 235	Intro to Adapted Physical Ed	3
HED 233	History & Principles of Health	2
SPED 309	Survey Exceptional Education I	3
FS 102	Freshman Seminar/ first Year Experience	1
Total Hours		21

Minor Requirement

Course	Title	Hours
First Year		
First Semester		
ENGL 1301	Freshman English I	3
COMM 1321 or COMM 1315	Business & Professional Comm or Public Address	3
MATH 1314	College Algebra	3
HIST 1301	Soc & Pol Hist US to 1877	3
MUSI 1315	Fine Arts In Daily Living	3
FS 102	Freshman Seminar/ first Year Experience	1
Hours		16

Second Semester		
ENGL 1302	Freshman English II	3
MATH 2312	Precalculus Math	3
HIST 1302	Soc & Pol Hist US Since 1877	3
BIOL 1308	Survey of Life Science	3
EDCI 210	Ins Tec	3
HED 233	History & Principles of Health	2
Hours		17

Second Year

Third Semester		
ENGL 2332	World Literature I	3
POLS 2305	American Government	3
MATH 1350	Str & App of Numb Sys	3
PSYC 2301	General Psychology	3
MATH 250	Linear Algebra	3
KIN 235	Intro to Adapted Physical Ed	3
Hours		18

Fourth Semester

GEOL 1303	Introduction To The Earth	3
POLS 2306	Texas Government	3
MATH 1351	Fnds of Geom, Stat & Pro	3
EDCI 340	Ins Tec II	3
SPED 309	Survey Exceptional Education I	3
Hours		15

Third Year

Fifth Semester		
MATH 2413	Calculus & Analytic Geomtry I	4
MATH 430	The History Of Mathematics	3
EDCI 330	Content Foc TCHG: Mathematics ¹	3
EDCI 404	Cert Sem	3
MATH 331	Foundations of Mathematics	3
Hours		16

Sixth Semester

MATH 2414	Calculus&Analytic Geometry II	4
RDG 302	Reading Skills Development	3
EDCI 310	Field Based I Perf Focus Tchng	3
EDCI 339	Classrm Mngt	3
EDCI 451	Curriculum & Assessment for English Language	3
Hours		16

Fourth Year

Seventh Semester		
EDCI 328	Field Based -II Perf Focus Tch	3
EDCI 350	Desgng & Implg Inst/Assessment	3
RDG 401	Div Pop	3
EDCI 346	Intro to Edu Psychology	3
SPED 370	Survey Exceptional EducationII	3
Hours		15

Eighth Semester

EDCI 450	DIR STU TCH GRD 4-8	6
----------	---------------------	---

EDCI 458	Seminar in Teaching	3
Hours		9
Total Hours		122

1

Content Block Courses taken concurrently.

Transition 0:**Before the end of Second Semester the candidate should:**

- TSI Exam Completed with a 3.0 GPA

Transition 1:**Before the end of Fourth Semester, candidate should:**

- Be admitted to the Educator Preparation Program.

Transition 2:**Before the end of Fifth Semester, candidate should:**

- Take and pass Content Representative Form.
- Enroll in Field Experience Block 1 (EDCI 310 Field Based I Perf Focus Tchng and EDCI 339 Classrm Mngt)
- Register with T-Cert.
- Login with Certify Teacher

Before the end of Sixth Semester candidate should:

- Take and pass the PPR Representative Form Test.
- Enroll in Field Experience Block 2 (EDCI 328 Field Based -II Perf Focus Tch and EDCI 350 Desgng & Implg Inst/Assessment)
- Take and pass the TExES Content Test.

Transition 3:**Before the end of the Seventh Semester, the candidate should:**

- Take and pass the TExES EC-12 PPR Test.
- Apply for Clinical Teaching¹

Transition 4:**By the end of the Eighth Semester, the candidate should:**

- Satisfy all requirements for Texas Teacher Certification
- Graduate from the Educator Preparation Program