

INTERDISCIPLINARY STUDIES (4-8 MATHEMATICS/SCIENCE 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)	61
	Other Requirements (p. 1)	19
	Minor (p.)	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		
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	Business & Professional Comm	3
	or COMM 1315 Public Address	
EDCI 2310	Ins Tec	3
	Total Hours	39

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/Science)

Code	Title	Hours
Relative to Concentration		
EDCI 404	Cert Sem	3
MATH 2312	Precalculus Math	3
MATH 2413	Calculus & Analytic Geomtry I	4
MATH 2318	Linear Algebra	3
RDG 401	Div Pop	3
BIOL 343	Ecology	3
BIOL 345	Ecology Laboratory	1
BIOL 347	Microbiology	4
PHYS 1301	College Physics I	3
PHYS 213	College Phys Lab I	1
PHYS 1302	College Physics II	3
PHYS 214	College Phys Lab II	1
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 350	Desgng & Implg Inst/Assessment	3
EDCI 402	Content Foc Tchng: Science	3
EDCI 450	DIR STU TCH GRD 4-8	6
EDCI 452	ESL Materials and Methods	2
EDCI 458	Seminar in Teaching	3
	Total Hours	61

Other Requirements

Code	Title	Hours
MATH 1350	Fundamentals of Mathematics I	3
MATH 1351	Foundations of Mathematics II	3
EDCI 340	Ins Tec II	3
SPED 309	Survey Exceptional Education I	3
HED 233	History & Principles of Health	2
PE Any course		1
EDCI 346	Intro to Edu Psychology	3
FS 102	Freshman Seminar/ first Year Experience	1
	Total Hours	19

Course	Title	Hours
First Year		
First Semester		
ENGL 1301	Freshman English I	3
COMM 1321	Business & Professional Comm	3
	or COMM 1315 or Public Address	
MATH 1314	College Algebra	3
HIST 1301	Soc & Pol Hist US to 1877	3
MUSI 1315	Fine Arts In Daily Living	3
PE (Any Course)		1

FS 102	Freshman Seminar/ first Year Experience	1
Hours		17
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 2310	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	Fundamentals of Mathematics I	3
PSYC 2301	General Psychology	3
MATH 2318	Linear Algebra	3
Hours		15
Fourth Semester		
GEOL 1303	Introduction To The Earth	3
POLS 2306	Texas Government	3
MATH 1351	Foundations of Mathematics II	3
SPED 309	Survey Exceptional Education I	3
PHYS 1301	College Physics I	3
PHYS 213	College Phys Lab I	1
Hours		16
Third Year		
Fifth Semester		
PHYS 1302	College Physics II	3
PHYS 214	College Phys Lab II	1
EDCI 330	Content Foc TCHG: Mathematics ¹	3
EDCI 404	Cert Sem	3
BIOL 347	Microbiology	4
EDCI 402	Content Foc Tchng: Science	3
Hours		17
Sixth Semester		
MATH 2413	Calculus & Analytic Geomtry I	4
BIOL 343	Ecology	3
BIOL 345	Ecology Laboratory	1
EDCI 339	Classrm Mngt	3
EDCI 452	ESL Materials and Methods	2
EDCI 310	Field Based I Perf Focus Tchng	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 Teaching ¹

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

¹

Candidate cannot enroll in Clinical Teaching until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.