

UNITED TRIBES TECHNICAL COLLEGE
 BACHELORS OF SCIENCE DEGREE PROGRAM
ENVIRONMENTAL SCIENCE AND RESEARCH
 2017-2018
 120 Credits

STUDENT NAME: _____ ID# _____

DATE PLAN BEGAN: _____ EMAIL: _____

OTHER COLLEGES ATTENDED: _____

GENERAL EDUCATION COURSES (53 Credits Required)
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COMMUNICATION (9)

F	SP	SU	_____	COM 110	Fundamentals of Public Speaking	3	_____
F	SP	SU	_____	ENG 110	Composition I	3	_____
F	SP	SU	_____	ENG 120	Composition II	3	_____

FOUNDATIONS (2)

F	SP	SU	_____	FND 106	First Year Experience & Healthy Living	2	_____
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HUMANITIES AND NATIVE AMERICAN STUDIES (6 as advised)

F	SP	SU	_____	HUM 101	Introduction to Humanities	3	_____
F	SP	SU	_____	HUM 106	Readings in Native American Literature	3	_____
F	SP	SU	_____	NAS 190	Lakota History & Culture	3	_____

MATH/SCIENCE (27)

F	SP	SU	_____	BIO 150	General Biology I/Lab	4	_____
F	SP	SU	_____	BIO 151	General Biology II/Lab	4	_____
F	SP	SU	_____	CHM 121	General Chemistry I/Lab	4	_____
F	SP	SU	_____	CHM 122	General Chemistry II/Lab	4	_____
F	SP	SU	_____	MTH 103	College Algebra	4	_____
F	SP	SU	_____	MTH 165	Calculus I	4	_____
F	SP	SU	_____	MTH 210	Elementary Statistics	3	_____

SOCIAL/BEHAVIORAL SCIENCES (6)

F	SP	SU	_____	PSY 111	Introduction to Psychology	3	_____
F	SP	SU	_____	SOC 110	Introduction to Sociology	3	_____

COMPUTER SCIENCE (3)

F	SP	SU	_____	CSC 101	Introduction to Computers	3	_____
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COURSES IN MAJOR AND FIRST RESEARCH COMPONENT (20 Credits Required)
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F	SP	SU	_____	BIO 124	Environmental Science	3	_____
F	SP	SU	_____	BIO 230	Ecology	4	_____
F	SP	SU	_____	GEO 105	Physical Geology	3	_____
F	SP	SU	_____	GIS 105	Fundamentals of GIS	3	_____
F	SP	SU	_____	TES 199	Introduction to Scientific Literature	1	_____
F	SP	SU	_____	TES 222	Environmental Law & Cons. Programs	3	_____
F	SP	SU	_____	ESR 191	Environmental Seminar	1	_____
F	SP	SU	_____	ESR 291	Environmental Seminar	1	_____
F	SP	SU	_____	TES 291	Environmental Seminar	1	_____

CORE COURSES IN ENVIRONMENTAL SCIENCE & RESEARCH (29 Credits Required)

F	SP	SU	_____	BIO 312	Evolution	3	_____
F	SP	SU	_____	CHM 341	Organic Chemistry I/Lab	4	_____
F	SP	SU	_____	CHM 360	Elements of Biochemistry	3	_____
F	SP	SU	_____	MTH 342	Environmental Research Statistics	3	_____
F	SP	SU	_____	PHY 211	College Physics	4	_____
F	SP	SU	_____	SOI 210	Introduction to Soil Science	4	_____
F	SP	SU	_____	ESR 391	Senior Seminar	1	_____
F	SP	SU	_____	ESR 491	Senior Seminar	1	_____
F	SP	SU	_____	TES 491	Senior Seminar	1	_____
F	SP	SU	_____	ESR 393	Senior Research	2	_____
F	SP	SU	_____	ESR 493	Senior Research	2	_____

F SP SU _____ TES 493 Senior Research 2 _____

CHOOSE ONE OF THE FOLLOWING CONCENTRATIONS:

ECOLOGY & CONSERVATION CONCENTRATION (18 Credits Required)

F SP SU _____ BIO 315 Introduction to Genetics 3 _____
 F SP SU _____ BIO 320 Botany and Plant Systematics 3 _____
 F SP SU _____ BIO 431 Wildlife Management & Restoration 4 _____
 F SP SU _____ TES 410 Environmental Regulations 3 _____

Electives (Select at least 6 credits of any)

F SP SU _____ BIO 402 Animal Behavior 3 _____
 F SP SU _____ BIO 454 Herpetology 3 _____
 F SP SU _____ BIO 456 Ornithology 3 _____
 F SP SU _____ BIO 458 Mammalogy 3 _____
 F SP SU _____ BIO 475 Conservation Biology 3 _____
 F SP SU _____ GEO 134 Introduction to Climate Change 3 _____
 F SP SU _____ TES 256 Introduction to Range Management 3 _____
 F SP SU _____ TES 260 Environmental Sampling 4 _____
 F SP SU _____ TES 353 Wildlife ID & Sampling 3 _____
 F SP SU _____ TES 397 Environmental Science Internship 3 _____
 F SP SU _____ TES 412 Invasive Species Management 3 _____
 F SP SU _____ TES 423 Wetland Systems and Streams Ecology 3 _____

CELLULAR BIOLOGY CONCENTRATION (18 Credits Required)

F SP SU _____ BIO 202 Microbiology 4 _____
 F SP SU _____ BIO 315 Introduction to Genetics 3 _____
 F SP SU _____ BIO 316 Advanced Genetics 3 _____
 F SP SU _____ BIO 460 Advanced Cellular Biology 3 _____

Electives (select at least 6 credits)

F SP SU _____ BIO 325 Introduction to Plant Genetics 3 _____
 F SP SU _____ BIO 336 Mycology 3 _____
 F SP SU _____ BIO 340 Environmental Virology 3 _____
 F SP SU _____ BIO 415 Genomics 3 _____
 F SP SU _____ BIO 420 Microbial Genetics 3 _____
 F SP SU _____ BIO 470 Microbial Ecology 3 _____
 F SP SU _____ BIO 499 Special Topics 1-3 _____
 F SP SU _____ TES 397 Environmental Science Internship 3 _____

 Curriculum Committee Chair

 Date

 Vice President of Academic Affairs