

**UNITED TRIBES TECHNICAL COLLEGE**

Program: Environmental Science & Research  
 Degree: BS

Academic Year: 2018-2019

Student Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Advisor: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

General Education Requiements (53 Credits)					Required Program Core Courses (49 Credits)					Developmental Courses				
Course Number - Title - Credits	Sem	Gr	Rpt	Sub	Course Number - Title - Credits	Sem	Gr	Rpt	Sub	Course Number - Title - Credits	Sem	Gr	Rpt	Sub
<b>Communications (9 Credits)</b>					<b>BIO 124 Environmental Science - 3</b>					ASC 082 Effective Reading - 2				
ENG 110 Composition I - 3					BIO 230 Ecology - 4					ASC 085 Effective Writing - 2				
ENG 120 Composition II - 3					BIO 312 Evolution - 3					ASC 090 Pre-Algebra I - 2				
COM 110 Fund. of Public Speaking - 3					CHM 341 Organic Chem I/Lab - 4					ASC 091 Pre-Algebra II - 2				
					CHM 360 Elements of Biochemistry - 3									
					ESR 191 Environmental Seminar I - 1									
					ESR 291 Environmental Seminar II - 1					Pre-requisites as needed:				
					ESR 391 Senior Seminar I - 1					MTH 101 Introduction to Algebra - 3				
<b>Arts &amp; Humanities (6 Credits)</b>					ESR 393 Senior Research I - 2					MTH 102 Intermediate Algebra - 3				
HUM 101 Introduction to Humanities - 3					ESR 491 Senior Seminar II - 1									
HUM 106 Readings in Native Am. Lit. - 3*					ESR 493 Senior Research II - 2									
NAS 190 Lakota History & Culture - 3*					GEO 105 Physical Geology - 3					<b>Ecology &amp; Conservation Concentration (18 Credits)</b>				
					GIS 105 Fundamentals of GIS - 3					BIO 315 Intro to Genetics - 3				
					MTH 342 Envir. Research Statistics - 3					BIO 320 Botany & Plant Systematics - 3				
					PHY 211 College Physics - 4					BIO 431 Wildlife Management & Restoration - 4				
					SOI 210 Introduction to Soil Science - 3					TES 410 Environmental Regulations - 3				
<b>Social Sciences (6 Credits)</b>					TES 199 Intro to Science Literature - 1					BIO 402 Animal Behavior - 3				
PSY 111 Introduction to Psychology - 3					TES 222 Envir. Law & Cons. Programs - 3					BIO 454 Herpetology - 3				
SOC 110 Introduction to Sociology - 3					TES 291 Environmental Seminar III - 1					BIO 456 Ornithology - 3				
SOC 275 Native American Studies - 3*					TES 491 Senior Seminar III - 1					BIO 458 Mammalogy - 3				
HIS 103 US History to 1877 - 3					TES 493 Senior Research III - 2					BIO 475 Conservation Biology - 3				
HIS 104 US History since 1877 - 3										GEO 134 Intro to Climate Change - 3				
										TES 256 Intro to Range Management - 3				
<b>Math, Science &amp; Technology (30 Credits)</b>										TES 260 Environmental Sampling - 3				
CSC 101 Introduction to Computers - 3										TES 353 Wildlife ID & Sampling - 3				
MTH 103 College Algebra - 4					<b>Cellular Biology Concentration (18 credits)</b>					TES 397 Envir. Science Internship - 3				
MTH 165 Calculus I - 4					BIO 202 Microbiology/Lab - 4					TES 412 Invasive Species Management - 3				
MTH 210 Elementary Statistics - 3					BIO 315 Intro to Genetics - 3					TES 423 Wetland Syst. & Streams Ecology - 3				
BIO 150 General Biology I/Lab - 4					BIO 316 Advanced Genetics - 3									
BIO 151 General Biology II/Lab - 4					BIO 460 Advanced Cell Biology - 3									
CHM 121 General Chemistry I/Lab - 4					BIO 325 Intro to Plant Genetics - 3					<b>Graduation Requirements</b>				
CHM 122 General Chemistry II/Lab - 4					BIO 336 Mycology - 3					Gen Ed Credits:		53		
					BIO 340 Environmental Virology - 3					Core Credits:		49		
					BIO 415 Genomics - 3					Concentration:		18		
<b>Institutional Specific (Campus-based only) (2)</b>					BIO 420 Microbial Genetics - 3					<b>TOTAL</b>		<b>120</b>		
FND 106 First Year Exp. & Healthy Living - 2					BIO 470 Microbial Ecology - 3									
					BIO 499 Special Topics - 1-3									
					TES 397 Envir. Science Internship - 3									
<b>Total Gen Ed Core Credits Required: 53 Credits</b>					<b>Total Program Core Credits Required: 49 Credits</b>					<b>Minimum Credits Required to Graduate: 120 Credits</b>				

\* Denotes Native Studies institutional requirement.  
 Bolded text denotes required course.