

Curriculum Map - BS Environmental Science

Courses	Identify key concepts in the life and physical sciences, and apply them to environmental issues keeping Lakota culture and ethical concepts in mind.	Apply knowledge of the sciences within an interdisciplinary context in solving environmental issues such as environmental health, food and agriculture, energy, waste and pollution, climate change, population, resource management, loss of biodiversity.	Develop critical thinking and/or observation skills, and apply them to the analysis of a problem or question related to the environment.	Locate, evaluate and synthesize information from the scientific literature.	Carry out an applied research project and communicate science effectively through written work and oral presentations to a variety of audiences.	Apply practical skills for scientific problem-solving, including familiarity with laboratory and field instrumentation, computer applications, statistical and modeling techniques.
BA 380	M		R			
BI 151	I	I	I	I	I	I
BI 152	R	R	R	R	R	R
BI 310	R	R, M	R	R	R	R, M
CH 151	I	I	I	I	I	I
CH 152	R	R	R	R	R	R, M
ESC 101	I	I	I	I	I	I
ESC 209	R	R	R	R	R	R
ESC 241	R	R	R	R	R	R, M
ESC 299	M	M	M	R	R	R
ESC 380	R	R	R	R	R	R
ESC 415	R, M, A	R, M	R, M	R	R	R
ESC 495	M, A	M	M	M	M	M
ESC 496	M, A	M	M	M	M	M
ESC 498	M	M	M, A	M	M	M
ESC 499	M	M	M, A	M	M	M

GE 100	R	I	I			
MA 201			I			R
MA 270			I			R
PH 202	R	R	R	I	I	R, M
PL 100	R		R	I		

Key: "I"=Introduced; "R"=reinforced and opportunity to practice; "M"=mastery at the senior or exit level; "A"=assessment evidence collected