

Courses	Title	Credits	Prerequisites	Semester(s) Offered
Agriculture and Resource Economics				
AREC 335	Introduction to Econometrics	3	ECON 204; STAT 301 or 315; MATH 155 or 160	F, S
Botany and Zoology				
BZ 350	Molecular and General Genetics	4	BZ 110 or BZ 120; STAT 301 (may be taken concurrently)	F, S, SS
BZ 425	Conservation and Population Genomics	3	BZ 220	F (even)
Computer Science				
CS 345	Machine Learning Foundations and Practice	3	CS 220; CS 150B; MATH 155 or 160; STAT 301 or 315	F, S
Economics				
ECON 335	Introduction to Econometrics	3	ECON 204; STAT 301 or 315; MATH 155 or 160	F, S
Ecosystem Science and Sustainability				
ESS 330	Quantitative Reasoning for Ecosystem Science	3	LIFE 320; MATH 155 or 160; STAT 301 or 315	S
Environmental & Radiological Health Science				
ERHS 332	Principles of Epidemiology	3	STAT 301 (may be taken concurrently)	S
ERHS 430	Human Disease and the Environment	3	BMS 300 or 360; MIP 300; STAT 301	F
Fish, Wildlife, and Conservation Biology				
FW 370	Design of Fish and Wildlife Projects	3	LIFE 320; FW 260 or 360; NR 220; MATH 155 or 160; STAT 301	F, S
FW 401	Fishery Science	3	FW 300; STAT 301; MATH 155 or 160	F
FW 455	Principles of Conservation Biology	3	FW 260; LIFE 320; STAT 301	F, S
FW 469	Conservation and Management of Large Mammals	3	BZ 330; FW 260; LIFE 320; NR 319; STAT 301	F (odd)
FW 475	Conservation Decision Making	3	MATH 155 or 160; STAT 301; LIFE 320	S (odd)
Forest and Rangeland Stewardship				
F 321	Forest & Natural Resource Biometry	3	NR 220; F 230; STAT 301; 3 credits of MATH 117 - 160	F
Geology				
GEOL 454	Geomorphology	4	(GEOL 120 or GEOL 122 or GEOL 124 or GEOL 150 or GR 210) and (STAT 301 or STAT 307 or STAT 315)	S
Human Development and Family Studies				
HDFS 350	Applied Research Methods	3	(HDFS 101 or PHY 100) and (STAT 201 or STAT 301)	F, S, SS

CSU Watershed Data Science Elective Options**Fall 2023****Marketing**

MKT 410	Marketing Research	3	MKT 300 or 305; STAT 301 or 315	F, S
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Psychology

PSY 250	Research Design and Analysis I	3	PSY 100	F, S, SS
PSY 350	Research Design and Analysis II	3	PSY 250	F

Rangeland Ecosystem Science

RS 432	Rangeland Measurements and Monitoring	2	NR 220; RS 300 (may be taken concurrently); STAT 301	F
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Social Work

SOWK 300	Research in Applied Professions	3	STAT 301 (may be taken concurrently)	F, S, SS
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Statistics

STAT 305	Sampling Techniques	3	STAT 301 or 315	F
STAT 342	Statistical Data Analysis II	3	STAT 340 or 341	S