



# MINOR IN WATERSHED SCIENCE

Minors require a minimum of 12 upper-division  
(300- to 400- level) credits.

Check or list course sub	REQUIRED COURSES		Offered	Prerequisites	# of credits
_____	WR/GR 204	Sustainable Watersheds	F, S		3
_____	WR 416	Land Use Hydrology	F	SOCR 240 or Geology, Statistics, Physics	3
_____	WR 486	Watershed Practicum	F	Junior year standing	2
_____	STAT 158	Introduction to R Programming	S, SS		1
<b>Choose one of the following courses:</b>					
_____	ESS/GR 210	Physical Geography	F		3-4
_____	GEOL 110	Intro to Geology-Parks/Monuments	F, S, SS	*Online only	
_____	GEOL 120	Geology and Society	F, S, SS		
_____	GEOL 122	Geoscience-Climate/Environmental Change	F, S		
_____	GEOL 124	Earth Resources and Sustainability	S		
_____	GEOL 150	Dynamic Earth	F	*Includes lab (4 credits)	

Check or list course sub	SELECT 9 CREDITS		Offered	Prerequisites	# of credits
_____	AREC 342	Water Law, Policy & Institutions	S		3
_____	ATS 350/351	Intro to Weather and Climate, and Lab	F	May be taken concurrently	2/1
_____	BZ 471/472	Stream Biology and Ecology, and Lab	F	LAND/LIFE 220 or LIFE 320; may be taken concurrently	3/1
_____	CHEM 334	Quantitative Analysis Laboratory	F, S	CHEM 114; CHEM 335 (may be taken concurrently)	1
_____	CHEM 231	Foundations of Analytical Chemistry	F, S	CHEM 111 & 112 or CHEM 120 & 121	3
_____	CIVE 322	Basic Hydrology	F, S	CIVE 203 or CONE 201 or STAT 301 or STAT 315; CIVE 300 or CBE 331 or WR 416	3
_____	CIVE 423	Groundwater Engineering	S	CIVE 300 or CBE 331 or WR 416	3
_____	CIVE 440	Nonpoint Source Pollution	F	CIVE 300 or 322 or SOCR 240 or WR 416	3
_____	ESS/BZ 474	Limnology	F (even years)	LAND/LIFE 220 or LIFE 320	3
_____	GEOL 452	Hydrogeology	F	GEOL 110 or 120 or 122 or 124 or 150 or GR 210; MATH 161 or 255; PH 121 or 141	4

	GEOL 454	Geomorphology	S	GEOL 120 or 122 or 124 or 150 or GR 210; STAT 301 or 307 or 315	4
	GR 410	Climate Change: Science, Policy, and Implications	S	At least three credits of GR	3
	NR 310	Ecosystem Services and Human Well-Being	F	AREC/ECON 202 or LAND/LIFE 220	3
	NR 320	Natural Resources History and Policy	F, S, SS		3
	SOCR 470/471	Soil Physics, and Lab	F	SOCR 240 or GEOL 232; May be taken concurrently	3/1
	SOC 461	Water & Social Justice	F, S, SS	SOC 100 or 105	3
	WR 406	Seasonal Snow Environments	S (odd years)	Junior or Senior standing	3
	WR 417	Watershed Measurements	F	WR 416 and WR 418	3
	WR 418	Land Use and Water Quality	S	Any undergraduate CHEM class; STAT 158; STAT 301 or 315	3
	WR 474	Snow Hydrology	F	WR416; May be taken concurrently	3