General Chemistry I

CHEM 111

FIRE ECOLOGY AND MANAGEMENT (B.S.FIRE.ECOL.MGMT.)

Students must have a minimum cumulative grade-point average of 2.00 in FOR and REM courses to qualify for the B.S.Fire.Ecol.Mgmt.

Required course work includes the university requirements (see regulation J-3 (https://catalog.uidaho.edu/general-requirements-academic-procedures/j-general-requirements-baccalaureate-degrees/)) and:

Code	Title I	Hours
ECON 202	Principles of Microeconomics	3
ENGL 313	Business Writing	3
or ENGL 317	Technical Writing II	
FOR 220	Forest Biology & Dendrology	3
FOR 221	Principles of Ecology	3
FOR 235	Society and Natural Resources	3
FOR 274	Forest Measurement and Inventory	3
FIRE 326	Fire Ecology	3
FOR 375	Fundamentals of Geomatics	3
FIRE 427	Prescribed Burning Lab	3
FIRE 435	Remote Sensing of Fire	3
FIRE 450	Fire Behavior	2
FIRE 451	Fuels Inventory and Monitoring	3
FOR 484	Forest Policy and Administration	2
MATH 143	College Algebra	3-4
or MATH 160	Survey of Calculus	
NR 101	Exploring Natural Resources	2
PHYS 100	Fundamentals of Physics	4
& 100L	and Fundamentals of Physics Lab	
FIRE 144	Wildland Fire Management	3
REM 252	Wildland Plant Identification	2
FIRE 407	GIS Application in Fire Ecology and Management	3
REM 410	Principles of Vegetation Monitoring and Measurement	3
REM 459	Rangeland Ecology	3
SOIL 205	The Soil Ecosystem	3
SOIL 206	The Soil Ecosystem Lab	1
STAT 251	Statistical Methods	3
Select one of the following: 3-4		
FOR 330	Terrestrial Ecosystem Ecology	
FOR 424	Silviculture Principles and Practices	
REM 456	Integrated Rangeland Management	
Select one of the following:		
BIOL 114	Organisms and Environments	
BIOL 115 & 115L	Cells and the Evolution of Life and Cells and the Evolution of Life Laboratory	
Select one of the following:		
CHEM 101	Introduction to Chemistry	
& 101L	and Introduction to Chemistry Laboratory	

& 111L a	and General Chemistry I Laboratory		
Select one of the following: 3			
FIRE 454 Air Quality, Pollution, and Smoke			
	Air Quality, Pollution, and Smoke		
GEOG 301 N	Meteorology		
Total Hours		81-83	
Courses to total 120 credits for this degree			
Fall Term 1		Hours	
ENGL 101	Writing and Rhetoric I	3	
MATH 143	College Algebra	3	
NR 101	Exploring Natural Resources	2	
PHYS 100	Fundamentals of Physics	3	
PHYS 100L	Fundamentals of Physics Lab	1	
Oral Communication Cour		3	
	Hours	15	
Spring Term 1			
ENGL 102	Writing and Rhetoric II	3	
FIRE 144	Wildland Fire Management	3	
Humanistic and Artistic W	lays of Knowing Course	3	
Elective Course		3	
(CHEM 101 AND CHEM 10	DIL) OR (CHEM 111 AND CHEM 111L)	4	
	Hours	16	
Fall Term 2			
FOR 235	Society and Natural Resources	3	
FOR 274	Forest Measurement and Inventory	3	
SOIL 205	The Soil Ecosystem	3	
SOIL 206	The Soil Ecosystem Lab	1	
(BIOL 115 AND BIOL 115L		4	
	Hours	14	
Spring Term 2			
ECON 202	Principles of Microeconomics	3	
FOR 220	Forest Biology & Dendrology	3	
STAT 251 Elective Course	Statistical Methods	3	
FOR 221 OR WLF 220		3	
TOTT ZET OTT WET ZEO	Hours	15	
Fall Term 3	Tiodio .		
FIRE 326	Fire Ecology	3	
FOR 375	Fundamentals of Geomatics	3	
Elective Course		3	
ENGL 313 OR ENGL 317		3	
FIRE 454 OR GEOG 301		3	
	Hours	15	
Spring Term 3			
FIRE 450	Fire Behavior	2	
FIRE 451	Fuels Inventory and Monitoring	3	
FOR 330 OR FOR 424 OR	REM 456	3	
Humanistic and Artistic W	lays of Knowing Course	3	
Elective Course		3	
	Hours	14	
Fall Term 4			
FIRE 427	Prescribed Burning Lab	3	
REM 459	Rangeland Ecology	3	
American Diversity Course	9	3	
International Course		3	
Elective Course		3	
Elective Course	Нашка	1	
	Hours	16	

Spring Term 4 FOR 484 2 Forest Policy and Administration **FIRE 407** 3 GIS Application in Fire Ecology and Management **REM 252** Wildland Plant Identification 2 **REM 410** Principles of Vegetation Monitoring and Measurement 3 **Elective Course** 3 Elective Course FIRE 435 OR REM 429 3 17 Hours **Total Hours** 122

The degree map is a guide for the timely completion of your curricular requirements. Your academic advisor or department may be contacted for assistance in interpreting this map. This map is not reflective of your academic history or transcript and it is not official notification of completion of degree or certificate requirements. Please contact the Registrar's Office regarding your official degree/certificate completion status.

- Graduates will be able to conduct fuel inventory and describe fire behavior and ecological effects while using appropriate metrics and technology to make observations at multiple temporal and spatial scales, and then interpreting those observations and using them to develop scientific information for management decisions.
- Graduates will be able to forecast potential outcomes of fire management decisions over time and space using models and other prediction tools, while considering risks and uncertainty.
- Graduates will be able to demonstrate scientific literacy through
 proficiently accessing, evaluating, synthesizing, and appropriately
 using scientific literature, technologies, and expert advice in
 addressing complex natural resource management issues and
 applying scientific knowledge to fire management decisions.
- Graduates will be able to demonstrate skills in working with teams
 of people, including effective leadership of groups working toward
 the common interest goal of addressing a complex resource
 management issue.
- Graduates will be able to communicate effectively by listening actively, formulating, articulating, and explaining ideas clearly using oral and written techniques.