RIVER STUDIES AND LEADERSHIP CERTIFICATE, UNDERGRADUATE

In the River Studies & Leadership Certificate program, students study the functions of diverse bodies of water, take measurements in field work, and learn how to guide rafts on whitewater rivers.

Note: courses taken to satisfy core requirements **cannot** be used to satisfy emphasis area courses, i.e. no double-dipping.

As a part of the RSLC program, River Management Society (RMS) offers students exciting opportunities for professional networking and collaboration. Students are encouraged to use RMS as a source for their river studies and professional networking. Each student receives an RMS student membership that can be renewed until they graduate. which includes a subscription to the RMS Journal and access to national and regional chapter events (e.g. chapter floats, river field trips & workshops, swiftwater rescue courses, etc.). They are invited to attend either the biennial River Management Symposium or comparable event supported by RMS for which registration fees are waived scholarships are available to help defer other expenses. More information about the RMS and available resources can be found on the RMS (https://www.rivermanagement.org/) site.

Required Core Courses

Geographic Information Science

Geographic intoi		
GEOS 323	GEOGRAPHIC INFORMATION SYSTEMS I: SPATIAL ANALYSIS FOR ENVIRONMENTAL SCIENCES	. 5
River Science-cl	noose one	
BIOL 445	STREAM ECOLOGY	5
or GEOS 203	FUNDAMENTALS OF SURFACE HYDROLOGY	
or GEOS 413	RIVERS AND FLOODS	
River Policy		
PLAN 431	ENVIRONMENTAL IMPACT STATEMENTS	3-5
or POLI 324	COMPARATIVE AND INTERNATIONAL WATER POL	ICY
Swiftwater Rescu	ue-choose one	
RCLS 330	INTERMEDIATE WHITEWATER KAYAKING	2-4
or RCLS 375	WHITEWATER RAFTING GUIDE TECHNIQUES	
•	nce or training can satisfy this requirement with e certificate coordinator.	
Emphasis Course	ework-complete one of the following emphasis	7-10
areas		
	Emphasis Area-choose two courses	
	Emphasis Area-choose two courses LIMNOLOGY	
River Science	•	
River Science BIOL 405	LIMNOLOGY	
River Science BIOL 405 BIOL 445	LIMNOLOGY STREAM ECOLOGY	
River Science BIOL 405 BIOL 445 BIOL 446	LIMNOLOGY STREAM ECOLOGY RIPARIAN ECOLOGY	
River Science BIOL 405 BIOL 445 BIOL 446 BIOL 462	LIMNOLOGY STREAM ECOLOGY RIPARIAN ECOLOGY ICHTHYOLOGY	
River Science BIOL 405 BIOL 445 BIOL 446 BIOL 462 GEOS 203 GEOS 413	LIMNOLOGY STREAM ECOLOGY RIPARIAN ECOLOGY ICHTHYOLOGY FUNDAMENTALS OF SURFACE HYDROLOGY	
River Science BIOL 405 BIOL 445 BIOL 446 BIOL 446 GEOS 203 GEOS 413 River-based P	LIMNOLOGY STREAM ECOLOGY RIPARIAN ECOLOGY ICHTHYOLOGY FUNDAMENTALS OF SURFACE HYDROLOGY RIVERS AND FLOODS	
River Science BIOL 405 BIOL 445 BIOL 446 BIOL 462 GEOS 203 GEOS 413 River-based P courses	LIMNOLOGY STREAM ECOLOGY RIPARIAN ECOLOGY ICHTHYOLOGY FUNDAMENTALS OF SURFACE HYDROLOGY RIVERS AND FLOODS olicy and Management Emphasis Area-choose two	
River Science BIOL 405 BIOL 445 BIOL 446 BIOL 462 GEOS 203 GEOS 413 River-based P courses BIOL 442	LIMNOLOGY STREAM ECOLOGY RIPARIAN ECOLOGY ICHTHYOLOGY FUNDAMENTALS OF SURFACE HYDROLOGY RIVERS AND FLOODS olicy and Management Emphasis Area-choose two CONSERVATION BIOLOGY	

GEOS 315 WATER RESOUR

	GEOS 317	RESOURCES AND CONSERVATION	
	River-based F choose both	Recreation, Education, and Tourism Emphasis Area-	
	RCLS 313	PUBLIC LANDS AND OUTDOOR RECREATION	
_	RCLS 370	OUTDOOR RECREATION AQUATIC PROGRAMS	
	Additional Requirements		
	Professional experience requirement: Students are required to take two credits in the form of an internship, independent study, or other professional experience		

Oral/written presentation requirement: students are required to either present aspects of their work at an RMS Symposium or sponsored conference or write an article for the RMS Journal about their experiences

Total Credits

24-31