

Revised 11/18/21

River Studies and Leadership Certificate

CMU Accepted Courses

Core Courses

Geographic Information Systems Core Courses (choose ONE):

GIST 332/332L - Intro to GIS (3 cr)

River Science (choose ONE):

GEOL 455/455L - River Dynamics (4 cr)

ENVS 433 - Restoration of Aquatic Systems (3 cr)
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River Policy (choose ONE):

POLS 488 – Environmental Politics and Policy (3 cr)

Swiftwater Rescue Core Courses (choose ONE):

OREC 312 Swiftwater Rescue Techniques and Theory (3 cr)

Level 4 American Canoe Association Swiftwater Rescue Course through CMUOutdoor Program (1 cr – KINA topics)

Emphasis Coursework (Choose ONE emphasis area)

River Science Emphasis Area Courses (choose TWO)

GEOL 355 - Basic Hydrology (3 cr)

ENVS 331/331L - Water Quality

BIOL 414/414L – Freshwater Ecology (4 cr)

GEOL 402/402L – Applications of Geomorphology (4 cr)
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BIOL 336 – Fish Biology (3 cr)

GEOL 333 - Geology of the Canyon Country (3cr) Three two-hour evening lectures with films and slides used to preview geology of the Colorado Plateau. A five-day field trip (rafting) to the selected sites is conducted during spring break.

River-based Recreation, Education, and Tourism Emphasis Area Courses (choose TWO courses, at least one of which is 3 credits):

OREC 205 Foundations of Outdoor Recreation Industry Studies (3cr)

OREC 405 Outdoor Recreation Leadership, Programming, Education, and Assessment (3cr)
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KINA 108 Canoeing (1 cr)

KINA 108A Stand Up Paddle Boarding (1cr)
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KINA 109 Kayaking (1cr)

KINA 110 River Rafting (1cr)
