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Graduate Certificate in Climate Change, Hazards and Green Infrastructure

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Landscape Architecture and Regional Planning, Robert Ryan, chair (cc'd)

Please see website: http://www.umass.edu/larp/certificates/ccgi
This will be updated, but gives basic information

SUGGESTED SEQUENCE for CCHGI CERTIFICATE. Take two core classes, three electives. *Astrix* means the course is available on-line.*

	Required Core Classes	Recommended electives--LARP	Recommended electives – LARP and other departments
SUMMER			Geography 593G: Intro to GIS*
FALL	RP585 – Planning for Climate Change*	SustCom 533: Urban Greening*	From list below
SPRING	LA591i: Green Infrastructure*	RP597S: Scenario Planning*	From list below

Other Electives: classes offered change quickly. Always check availability and modality on Spire, and check for any enrollment restrictions. If a course you want is restricted, email the instructor for permission and cc' the certificate advisor.
* = all or mostly all on-line
ELECTIVES, pre-approved for program, Fall:

- Most LARP classes -- see advisor
- ECO 697DL: Sust Building & LEED Certification* (Wolff, fall on-line except 3 meetings at Mt Ida)
- ECO 690P: Public Engagement and Communication (Markowitz)
- ECO 691E: Ecological Responses to Climate Change (Morelli, fall)
- NRC 597EC: Analytic Methods for Energy and Climate Policy (Breger, fall)

ELECTIVES, pre-approved for program, Spring:

- Most LARP classes – see advisor
- SPP 697E: Special Topics: Equity Lab (Badgett)
- ECO 611: Offshore Wind Energy: Envir. Impacts, Siting, Permitting and Stakeholder Engagement (Breger, spring)*
- REGIONPL 625: Intro to GIS for Planning (Renski, spring)
- NRC 590C: Clean Energy and Climate Policy in Massachusetts (Breger, spring)
- NRC 590FS: Sustainable Food Systems (Thomas, spring)

OTHER ELECTIVES, by approval to meet student's interests:

- BCT597Q: Living Labs (Wolff, Spring)
- ECO 697PS: Perspectives on Sustainability (Bates, fall)
- ENG 891LC: Literature & Climate Change (Sen, fall)
- NRC 541: Urban Forest Management, (Bloniarz, fall)
- NRC 578: Watershed Science and Management (Randhir, Spring)
- GeoSci 557: Coastal Processes (Woodruff, spring)
- GeoSci 558: Paleoclimatology (Bradley, fall)
- GeoSci 668: GIS and Spatial Analysis (Yu, spring)
- HPP 614: International health, population, and development (Aboul-Enein, summer)*