

UNIVERSITY of WASHINGTON

ONLINE MASTER OF INFRASTRUCTURE PLANNING & MANAGEMENT

FLOODPLAIN MANAGEMENT DEGREE OPTION

OFFERED BY THE DEPARTMENT OF URBAN DESIGN & PLANNING

OVERVIEW

The Master of Infrastructure Planning and Management now offers a degree option in Floodplain Management, allowing you to earn their master's with a focus on the study of coastal and riverine floodplain management.

Flooding is an extremely daunting and costly challenge facing society, with the effects of global climate change intensifying these challenges. There is high demand for professionals with specific training in designing and implementing preventative and corrective measures that address floodplain issues.

Graduates of this program will receive a University of Washington diploma that lists the degree as "Master of Infrastructure Planning and Management." The name of the degree option is not indicated on the diploma. The official UW transcript for graduates of this option will show the degree as "Master of Infrastructure Planning and Management (Flood Risk)."

FORMAT

The Floodplain Management option features a hybrid format that requires in-person and online course completion. The classroom portion of the program takes place during two resident summer sessions at the UW campus in Seattle, each an intensive, full-time session lasting about four weeks.

The summer sessions are divided into two general areas of concentration. The first summer curriculum addresses Issues, Science and Impacts, while the second covers Tools, Approaches and Application Strategies.

APPLICATION DEADLINE
Applications are currently being accepted.

PROGRAM START
Summer

FORMAT
Online and Classroom

DURATION
7 quarters

CREDIT REQUIREMENT
45 credits

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CURRICULUM

The Floodplain Management option is an interdisciplinary program that combines courses from the main degree program with courses designed to specifically address floodplain management.

Topics unique to this degree option include:

- Governmental role in floodplain management
- Cities and floodplains
- Hydrology, hydraulics and fluvial mechanics
- Floodplain ecosystem services
- Floodplain identification and mapping
- Climate change adaptation
- Resilient design for flood-prone communities
- Coastal flood-risk reduction and design measures

Students are required to complete a capstone project to gain real-world experience. This project presents an opportunity to synthesize the knowledge learned throughout the program, to conduct research and to network in a particular area of the field.

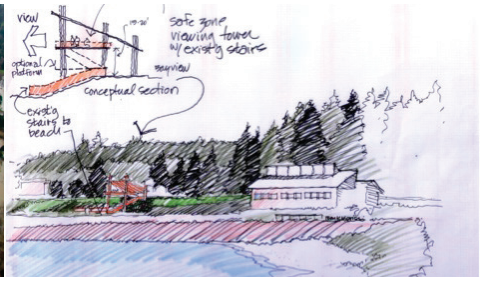
APPLY NOW

A new cohort for the Floodplain Management degree option of the Master of Infrastructure Planning and Management begins in summer. You must submit your application by April 15, and you will be notified of an admissions decision within three weeks of submission.

COURSE SEQUENCE

YEAR ONE TOTAL CREDITS: 25	YEAR TWO TOTAL CREDITS: 20
Summer Quarter: Residency Session **IPM 520:** Floodplain Management Seminar I (2) **IPM 522:** Geomorphology in Floodplain Management and Landscape Planning (3) **IPM 523:** Ecological Processes in Coastal and Floodplain Management (2) **IPM 528:** Floodplain Management and Planning for River Populations (3)	**Summer Quarter: Residency Session** **IPM 517:** Specialized Planning Laboratory (6) **IPM 518:** Legal and Administrative Framework for Planning (3) **IPM 521:** Floodplain Management Seminar II (2)
Autumn Quarter: Online **IPM 503:** Infrastructure Finance (3)	**Autumn Quarter: Online** **IPM 501:** Comprehensive Emergency Management (3)
Winter Quarter: Online **IPM 500:** Strategic Planning and Policy Analysis (3) **IPM 504:** Applied Geospatial Analysis (3)	**Winter Quarter: Online** **IPM 510:** Water Systems (3) **IPM 515:** Capstone B: Implementation (3)
Spring Quarter: Online **IPM 505:** Climate Change and Infrastructure (3) **IPM 513:** Capstone A: Research Design (3)	







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