

# Sample Plans of Study for Ph.D. Disaster Science & Management



## Students entering M.S. / Ph.D. directly from undergraduate study

Year	Fall	Winter	Spring	Summer
1	DISA 650 Overview of Disaster Science and Management (3) EDUC 665 Elementary Statistics (3) Elective I (3) DISA 680 Seminar (1)		DISA 670 Issues in Disaster Response (3) DISA 651 Int Comp Anal of Disasters (3) UAPP 808 Qualitative Methods for Program Evaluation (3) DISA 680 Seminar (1)	Internship
2	UAPP 819 – Decision Making (3) Elective II (3) DISA 869 Thesis (3) DISA 680 Seminar (L)		Elective III (3) DISA 869 Thesis (3) DISA 680 Seminar (L)	Qualifier Internship
3	Specialization 1 (3) Research Methods III (3) DISA 680 Seminar (1)	Present Proposal	Specialization 2 (3) Research Methods IV (3) DISA 680 Seminar (1)	
4	Elective IV (3) Research 1 (3) DISA 680 Seminar (1)		Elective V (3) Research 2 (3) DISA 680 Seminar (L)	
5	Research 3 (3) Thesis (3) DISA 680 Seminar (L)		Thesis (6) DISA 680 Seminar (L)	

## Student Entering with M.S. from Complementary Area (e.g. Civil Engineering or Political Science)

Year	Fall	Winter	Spring	Summer
1	DISA 650 Overview of Disaster Science and Management (3) EDUC 665 Elementary Statistics (3) UAPP 698 – Decision Making (3) DISA 680 Seminar (1)		DISA 670 Issues in Disaster Response (3) DISA 651 Int Comp Anal of Disasters (3) DISA 680 Seminar (1)	Qualifier Internship
2	Specialization 1 (3) Research Methods III (3) DISA 680 Seminar (1)	Proposal	Specialization 2 (3) Research Methods IV DISA 680 Seminar (L)	Internship
3	Elective 1 (3) Research 1 (3) DISA 680 Seminar (L)		Elective 2 (3) Research 2 (3) DISA 680 Seminar (L)	
4	Research 3 (3) Thesis (3) DISA 680 Seminar (L)		Thesis (6) DISA 680 Seminar (L)	

A civil engineer specializing in Built and Natural Environment and Society might take the following classes:

- Specialization 1 – CIEG 655 Civil Infrastructure Systems
- Specialization 2 – CIEG 667 Resilience Engineering
- Research Methods III – MAST 663 Decision Tools for Policy Analysis
- Research Methods IV – POSC 816 Philosophy of Science and Research Design
- Elective 1 – SOCI 671 - Disasters, Vulnerability & Development
- Elective 2 – GEOG 670 – Geographic Information Systems

A political scientist specializing in Organization Management and Leadership might take the following classes:

- Specialization 1 – UAPP 686 State and Local Government: Concepts and Issues
- Specialization 2 – UAPP 687 State Government Management and Policy
- Research Methods III – MAST 663 Decision Tools for Policy Analysis
- Research Methods IV – POSC 816 Philosophy of Science and Research Design
- Elective 1 – ECON 801 – Microeconomic Theory
- Elective 2 – ECON 832 – Public Finance

## Student entering with MS from another program

Assumes some background in Disaster Science and Management.

Year	Fall	Winter	Spring	Summer
1	UAPP 819 – Decision Making (3) Research Methods III (3) Specialization 1 (3) DISA 680 Seminar (1)		DISA 651 Int. Aspects of Disasters (3) Research Methods IV Specialization 2 (3) DISA 680 Seminar (1)	Qualifier Internship
2	Elective 1 (3) Research 1 (3) DISA 680 Seminar (1)	Proposal	Elective 2 (3) Research 2 (3) DISA 680 Seminar (:L)	
3	Research 3 (3) Thesis (3) DISA 680 Seminar (L)		Thesis (6) DISA 680 Seminar (L)	

A student specializing in Vulnerability and Resilience might take the following classes:

- Specialization 1 – SOCI 671 - Disasters, Vulnerability & Development, Specialization 2 – CIEG 667 Resilience Engineering
- Research Methods III – MAST 663 Decision Tools for Policy Analysis
- Research Methods IV – POSC 816 Philosophy of Science and Research Design
- Elective 1 – UAPP 651 – Managing Risk and Society
- Elective 2 – GEOG 670 – Geographic Information Systems

Or a student specializing in Continuity of Operations might take the following classes:

- Specialization 1 – CIEG 654 –Urban Transportation Planning
- Specialization 2 – POSC 818 – Environmental Policy and Administration
- Research Methods III – MAST 663 Decision Tools for Policy Analysis
- Research Methods IV – OSC 816 Philosophy of Science and Research Design
- Elective 1 – ECON 801 – Microeconomic Theory
- Elective 2 – ECON 832 – Public Finance

Or a student specializing in Simulation and Modeling might take the following classes:

- Specialization 1 – GEOG 671 – Advanced GIS
- Specialization 2 – SOCI 611 – Techniques of Demographic Analysis
- Research Methods III – MAST 663 Decision Tools for Policy Analysis
- Research Methods IV – OSC 816 Philosophy of Science and Research Design
- Elective 1 – STAT 608 – Statistical Research Methods
- Elective 2 – Independent study in decision support systems