



Master of Science in Computational Analysis and Public Policy



THE UNIVERSITY OF CHICAGO
**HARRIS SCHOOL
OF PUBLIC POLICY**
Orientation

OVERVIEW

The Master of Science in Computational Analysis and Public Policy (MSCAPP) is a two-year program jointly offered by Harris and the Department of Computer Science, which builds a foundational knowledge in computer science, statistics, and public policy. MSCAPP graduates can go onto careers as civic technologists, data scientists, policy researchers, and everything in between.

DEGREE REQUIREMENTS

- Successful completion of 18 graduate-level courses (1800 units of credit) to earn the degree, not including any courses with grades of F, I, W, or courses with no reported grade
- Completion of the following eleven core courses with a C- or better:
 - PPHA 30800 Political Economy for Public Policy I
 - Statistics Sequence I. Choose one of the following:
 - PPHA 31002 Statistics for Data Analysis I
 - PPHA 31202 Advanced Statistics for Data Analysis I
 - Statistics Sequence II. Choose one of the following:
 - PPHA 31102 Statistics for Data Analysis II: Regressions
 - PPHA 31301 Advanced Statistics for Data Analysis II
 - CAPP 30121 Computer Science with Applications I
 - CAPP 30122 Computer Science with Applications II
 - CAPP 30235 Databases for Public Policy
 - CAPP 30250 Machine Learning for Public Policy I
 - CAPP 30521 Machine Learning for Public Policy II
 - PPHA 34610 Program Evaluation: Data Analytics and Research Design
 - Microeconomics Sequence I. Choose one of the following:
 - PPHA 32300 Principles of Microeconomics and Public Policy I
 - PPHA 32310 Advanced Microeconomics for Public Policy I
 - Microeconomics Sequence II. Choose one of the following:
 - PPHA 32400 Principles of Microeconomics and Public Policy II
 - PPHA 32410 Advanced Microeconomics for Public Policy II

- Completion of a minimum of 7 Public Policy (PPHA) courses
- Completions of a minimum of 6 Computer Science (CAPP, CMSC, MPCS, or TTIC) courses
- A cumulative grade point average of 2.7 for all courses used toward the MSCAPP degree, based on a 4.0 scale
- Passing the Math Exam administered during Harris Orientation
- Completion of the [practical experience requirement](#)
- No more than 2 reading/research, independent study, or internship courses
- No more than 2 courses taken pass/fail (core courses cannot be taken pass/fail)

HARRIS SPECIALIZATIONS

- Energy and Environmental Policy
- Finance and Policy
- Health Policy
- International Policy and Development
- Municipal Finance
- Social and Economic Inequality
- Survey Research

Note: a specialization is not required for graduation.



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TYPICAL DEGREE PROGRESSION

Year 1

Autumn	Winter	Spring
Computer Science with Applications I	Computer Science with Applications II	Databases for Public Policy
Statistics I	Statistics II	Program Evaluation* * Program Evaluation may be offered in multiple quarters, and students may choose to take whenever offered.
Political Economy for Public Policy I	Machine Learning for Public Policy I	Machine Learning for Public Policy II

Year 2

Autumn	Winter	Spring
Microeconomics I	Microeconomics II	Elective
Elective	Elective	Elective
Elective	Elective	Elective

SOME POPULAR HARRIS ELECTIVES

- Introduction to Sustainable and Impact Investing
- GIS Applications in the Social Sciences
- Behavioral Science and Public Policy
- Artificial Intelligence for Public Policy
- The Chinese Economy
- Energy Policy and Human Behavior
- Management Matters: Leadership, Strategy, and Getting Things Done
- The Modern Urban Economic Development Playbook
- Fundamentals of Municipal Bonds
- Crime Prevention
- International Climate Policy
- Sustainability Principles, ESG Risk, and Value Creation in Organizations



If you have any questions about your specific degree requirements, talk to your academic advisor!