

# INFORMATION SYSTEMS CURRICULUM

DEPARTMENT CHAIR

Bin Gu

PHD PROGRAM LIAISON

Gordon Burtch

## COURSE REQUIREMENTS

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### Foundations

- **DS 906** Philosophy and Science of Research
- The Art and Craft of Teaching  
(Summer after second year)
- **IS 919** IS Research Seminar

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### Economics Theory (3 courses)

- Mathematics and Probability Review  
(At Questrom pre-first through Fall)\*

OR

Math boot camp for PhD students  
(At BU Econ)

- **EC 701** Microeconomic Theory

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**HBS4010** Microeconomic Theory

OR

Microeconomic Theory I & II, 14.121 & 14.122  
(At MIT, one semester total)

- **IS 912** Information Economics

### Stats/Econometrics (3 courses)

- **EC 707** Advanced Statistics for Economists and  
**EC 708** Advanced Econometrics I

OR

**ECON 2110** Economics and  
**ECON 2115** Economics  
(At Harvard Business School)

OR

**14.380** Statistical Method in Economics and  
**14.381** Applied Econometrics (One semester  
total), and **14.382** Econometrics  
(At MIT)

- **DS 925** Causal Inference for  
Management Research

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### Machine Learning (2 courses)

- **CS 542** Machine Learning

OR

**MA 751** Statistical Machine Learning

- **DS 919** Machine Learning Methods  
for Social Science Research