The MPES Integrated Curriculum

**QUANTITATIVE METHODS (four required courses)**

*Take one of the following general survey courses:*
- HDSP/LS 410 Probability and Statistics, Schanzenbach
- STAT 330 Applied Statistics, Tanner
- SOC 401 Analysis of Social Data, Quillian
- PSYCH 451 Statistics in Experimental Design, Smith

*Take three of the following specialized courses:*
- STAT 356 Hierarchal Linear Modeling, Hedges
- STAT 330 Applied Statistics for Research, Jiang
- SOC 401 Data Analysis, Quillian
- HDSP/LS 411 Regression Analysis, Guryan
- PSYCH 453 Linear Models: Correlation & Regression, Bailey
- LS 451 Introduction to Agent-Based Modeling, Wilensky
- HDSP/LS 412 Empirical Tools for Causal Quant Analysis, Figlio

**QUALITATIVE METHODS (one required course)**

- ANTHRO 389 Ethnographic Analysis, Bledsoe
- HDSP 432 Qualitative Research Methods, Ispa-Landa
- SOC 403 Field Methods, Fine
- HDSP 451 Advanced Qualitative Methods, Spillane

**EVALUATION (two required courses)**

*Take one of the following courses:*
- SOC 404 Designs for Causal Research in Field Settings, Cook
- SOC 476 Research Design for Causal Inference, Braun

*Take one of the following courses:*
- HDSP/LS 412 Empirical Tools for Causal Quant Analysis, Figlio
- PSYCH 405 Psychometric Theory, Revelle
- STAT 439 Meta-analysis, Hedges
- STAT 461 Cluster Randomized Experiments, Hedges
- SOC 476 Practice Evaluation, Cook

**READING & MATHEMATICS LEARNING (one required course)**

- LS 436 Research in Teaching & Learning Mathematics, Uttal or Sherin, Miriam
- LS 451 Discourse Analysis and the Socioculture Study of Language and Literacy, Lam
- MSED 422 Content Area Reading and Writing
- MSED 423 Elementary Literacy Methods and Content
- MSED 426 Elementary Math Methods and Content

**COGNITION & STUDENT LEARNING (two required courses)**

- LS 401 Cognition & Learning, Sherin, Bruce
- LS 403 Cognitive Science Foundations of the Learning Sciences, Sherin and Stevens
- PSYCH 462 Cognitive Development, Uttal or Waxman
- PSYCH 467 Culture & Cognition, Medin and Waxman
- PSYCH 466 Analogy & Similarity, Gentner
- PSYCH 358 The Psychology of Technology and Instructional Design, Rapp

**HUMAN DEVELOPMENT (one required course)**

- HDSP 402 Child Development, Chase-Lansdale
- HDSP 403 Adolescent Development, Hirsch
- HDSP 404 Adult Development and Aging, McAdams

**EDUCATION POLICY (two required courses)**

*Take one of the following courses:*
- HDSP 440 The Politics of Public Policy
- HDSP/LS 442 Social Policymaking and Implementation, Mulroy

*Take one of the following courses:*
- HDSP/LS 451 Analyzing Educational Policy, Schanzenbach or Spillane
- HDSP 430 Economics of Social Policy, Jackson
- HDSP 427 Sociology of Education, Rosenbaum
- SOCPOL 330 Economics of Education Policy, Figlio
- ECON 341 Economics of Education, Schapiro
- HDSP/LS 442 Social Policymaking and Implementation, Mulroy

**DESIGN (one required course)**

- LS 429 Design of Learning Environments, Easterday
- LS 425 Introduction to Design for Learning Sciences, Horn
- LS 426 Design of Technological Tools for Thinking and Learning, Wilensky
- PSYCH 358 The Psychology of Technology and Instructional Design, Rapp