

Example Programs for the Advanced Training Requirement

What follows are illustrative courses on particular themes, from which the student could select two courses, along with the (as yet unnumbered) capstone course. It is possible that the Board will approve a successful application with three courses that does not include the capstone. Listed only are suggested courses in social science departments, Fuqua, and ISDS.

Computer Science: 230 (algorithms), 240 (computational complexity), 250 (numerical analysis), 270 (artificial intelligence), 296.3 (computational economics).

Economics: 301 (microeconomics 1), 302 (microeconomics 2), 320 (macroeconomics 1), 322 (macroeconomics 2), 341 (econometrics 1), economics 342 (econometrics 2), 350 (time series).

Fuqua BA: 513 (cross listed as Stat 234, choice theory), 561 (survey methods), 564 (experimental methods).

Political science: 209 (computational political economy), 303 (time series), 317 / 340 (institutions), 333 (seminar in political economy).

Psychology: 258 (social psychology), 316 (behavior decision theory), 368 (structural equation modeling).

Sociology: 215 (basic demographic methods), 217 (hazard models), 224 (population dynamics), 225 (social networks).

Statistics: 205 (probability & measure theory), 215 (statistical inference), 221 (Bayesian inference), 244 (applied data analysis), 245 (introduction to multivariate statistics), 216 (generalized linear models), 226 (statistical decision theory), 356 (time series and forecasting).