

Sample Course Selections

Formal program requirements (<http://econ.duke.edu/mape/program-requirements>) are quite flexible — in part because at Duke we encourage students to tailor programs to meet their specific needs, and in part because the MAPE student body is inherently heterogeneous in terms of background and specific interests. However, it is useful to outline likely course sequences that will be appropriate for incoming students with different backgrounds.

Please note that:

- The conventional load is three graduate-level courses, or three to four undergraduate and graduate courses per semester. Non-native English speakers also should allow time for required English language courses.
- Each student will choose a particular set of courses: There is no specified path, as interests will differ; however, we do ask that you run your plans by both your Economics and Computer Science academic advisers.
- The MAPE degree requirement is 30 credits (10 full courses), of which 24 must be graduate credits (at the 500-level or higher) and no more than 6 credit hours can be for thesis research (independent study) if you choose to go that route. At least 12 credits must be in Economics and at least 12 must be in Computer Science.
- English language courses do not count toward the MSEC degree requirements; however, nearly everyone will easily exceed this minimum and few constraints will prove binding.
- Many and probably most MAPE students will wish to work as Research or Teaching Assistants. While you should register with the Social Sciences Research Institute (contact Alexandra Cooper), Economics, and/or Political Science, we encourage you not to take on additional duties in your first semester in residence.
- A maximum of 6 credits (two courses) may be undergraduate courses at the 200-level or higher (200-499), subject to academic advisor approval. Students must receive a grade of B- or better to have such courses counted as part of their earned graduate credit.

Course Number Guide	
COMPSCI	
200-499	Undergraduate
500+	M.S./Ph.D.
ECON	
200-499	Undergraduate
500-699	M.A./M.S.
700+	Ph.D.
MATH	
200-499*	Undergraduate
500+**	(M.S.)/Ph.D.
STAT	
200-499	Undergraduate
500-599	M.S.
600+	Ph.D.

**UG-level courses are numbered such that they are progressively challenging (200+, 300+, 400+).*

***Please note any prerequisites before deciding to enroll.*

Sample Course Selection: Ph.D. Track

Fall 2016		Spring 2017		Fall 2017		Spring 2018	
Course Number	Course Title	Course Number	Course Title	Course Number	Course Title	Course Number	Course Title
ECON 601	Microeconomics	ECON 605/ ECON 613	Advanced Microeconomic Analysis/ Applied Econometrics: Micro	ECON 602	Macroeconomic Theory	POLSCI 721	Authoritarian Institutions
ECON 608	Intro. to Econometrics	POLSCI 701	Political Behavior and Identity	ECON 751	Political Economy of Institutions (Ph.D.-level course)	POLSCI 733	Maximum Likelihood Methods
POLSCI 645S	Political Economy of Growth, Stabilization, and Distribution	POLSCI 745	Core in Political Economy	POLSCI 730	Formal Modeling in Political Science		
POLSCI 715	Core in Political Institutions			POLSCI 760S	Core in Security, Peace, and Conflict		
Optional (Alternative) Courses							
ECON 701	Microeconomic Analysis I (Ph.D.- level course)	COMPSCI 590	Numerical Methods for Economists	BA 901	Game Theory (Ph.D.-level course)	ECON 606	Advanced (Computational) Macroeconomics
ECON 703	Econometrics I (Ph.D.-level course)	ECON 705	Microeconomic Analysis II (Ph.D.- level course)	BA 911	Convex Optimization	POLSCI 749S	Advanced Game Theory
STA 611	Probability and Statistics	ECON 707	Econometrics II (Ph.D.-level course)	ECON 612	Time Series Econometrics	SOC 728S	Social Networks
		STA 601	Bayesian Statistics	ECON 88X*	Economic Theory/Econometrics Elective (Ph.D.-level course)		

*Topics for ECON 88X modules rotate; this may only be offered occasionally.

**Offered in Summer II

M.A. in Political Economy
 Departments of Economics and Political Science

Sample Course Selection: Policy Research Track

Fall 2016		Spring 2017		Fall 2017		Spring 2018	
Course Number	Course Title	Course Number	Course Title	Course Number	Course Title	Course Number	Course Title
ECON 601	Microeconomics	ECON 613	Applied Econometrics: Micro	ECON 602	Macroeconomic Theory	POLSCI 721	Authoritarian Institutions
ECON 608	Intro. to Econometrics	ECON 656S	International Monetary Economics	ECON 751	Political Economy of Institutions (Ph.D.-level course)	POLSCI 733	Maximum Likelihood Methods
POLSCI 562S/ POLSCI 645S	American Grand Strategy/ Political Economy of Growth, Stabilization, and Distribution	POLSCI 701	Core in Political Behavior and Identity	POLSCI 730	Formal Modeling in Political Science		
POLSCI 715	Core in Political Institutions	POLSCI 745	Core in Political Economy	POLSCI 760S	Core in Security, Peace, and Conflict		
Optional (Alternative) Courses							
AAAS 515S	Race, Class, and Gender	AAAS 642S	Measuring and Understanding Inequality	AAAS 541S	Race and American Politics	ECON 554	Urban Economics
ECON 521	Evaluating Public Expenditures	COMPSCI 590	Numerical Methods for Economists	ECON 531/2	Environmental Economics	ECON 606	Advanced (Computational) Macroeconomics
ECON 555S	International Trade	STA 601	Bayesian Statistics	ECON 612	Time Series Econometrics	SOC 642S	Global Inequality Research
ECON 558	Islam and the State			PUBPOL 505	National Security Decision Making	SOC 728S	Social Networks
ECON 652	Economic Growth			STA 601	Bayesian Statistics		
STA 611	Probability and Statistics						

*Topics for ECON 88X modules rotate; this may only be offered occasionally.

**Offered in Summer II

Sample Course Selection: Game Theory of Political Economy Track

Fall 2016		Spring 2017		Fall 2017		Spring 2018	
Course Number	Course Title	Course Number	Course Title	Course Number	Course Title	Course Number	Course Title
ECON 601	Microeconomics	ECON 605	Advanced Microeconomic Analysis	ECON 652/ ECON 751	Economic Growth/ Political Economy of Institutions (Ph.D.-level course)	ECON 705	Microeconomic Analysis II (Ph.D.-level course)
ECON 608	Intro. to Econometrics	ECON 620	Game Theory with Applications of Economics and Other Social Sciences	POLSCI 715	Core in Political Institutions	POLSCI 760S/ POLSCI 762	Core in Security, Peace, and Conflict/ Political Economy of Institutions
POLSCI 645S	Political Economy of Growth, Stabilization, and Distribution	POLSCI 632/ POLSCI 745	Computational Political Economy/ Core in Political Economy	POLSCI 730	Formal Modeling in Political Science	STA 601	Bayesian Statistics
Optional (Alternative) Courses							
MATH 202	Multivariate Calculus for Economists	ECON 613	Applied Econometrics: Micro	ECON 602	Macroeconomic Theory	ECON 606 / ECON 656	Advanced (Computational) Macroeconomics/ International Monetary Economics
MATH 216	Linear Algebra/Differential Equations	ECON 890**	Electives: Real Analysis, Empirical Replication, STAT, etc. (1.5 credits each)	ECON 612	Time Series Econometrics	ECON 613	Applied Econometrics: Micro
STA 611	Probability and Statistics	POLSCI 644S	Political Economy of Inequality	MATH 431	Advanced Calculus	POLSCI 522S	Comparative Party Politics
		POLSCI 646S	Politics of Economic Integration	STA 601	Bayesian Statistics	POLSCI 644S	Political Economy of Inequality
		STA 230	Probability	STA 611	Probability and Statistics	POLSCI 646S	Politics of Economic Integration
						STA 601	Bayesian Statistics

*Topics for ECON 88X modules rotate; this may only be offered occasionally.

**Offered in Summer II