

## CAMS Major Worksheet -- Applied Statistics Track

Complete this application and submit along with the **Registrar's Declaration of Major Form** to the Registrar's Office.

NAME \_\_\_\_\_ STUDENT ID # \_\_\_\_\_

EMAIL \_\_\_\_\_

ADVISOR \_\_\_\_\_ EXPECTED GRADUATION DATE \_\_\_\_\_

	Course	Course Title	Credits
Pre. Req.	MATH 111/131 MATH 112/132 MATH 214	Calculus I Calculus II Foundations of Mathematics	-
Comp. Req	CSCI 140/141/DATA141 CSCI 241	Computational Problem Solving Data Structures	7
Math. Req	MATH 212/213 MATH 211	Multivariable Calculus Linear Algebra	6
Prob. & Stats.	MATH 451 MATH 452	Probability Mathematical Statistics	6
<b>Circle Planned Electives (must include at least one of the highlighted courses)</b>			
Statistics and Mathematics Electives (circle 3-5)	MATH 351	Probability and Statistics for Scientists	(9-15)
	MATH 352	Statistical Data Analysis	
	MATH 353	Advanced Statistical Data Analysis	
	MATH 424	Operations Research: Stochastic Models	
	MATH 455	Statistical Learning	
	MATH 459	Topics in Statistics	
	MATH 465	Mathematics of Financial Economics	
	MATH 309/408	Intermediate Linear Algebra OR Advanced Linear Algebra	
	MATH 311	Elementary Analysis	
	MATH 323	Operations Research	
Cross-disciplinary Electives (circle 3-5)	MATH 410	Topics in Mathematics (subject to approval by Track Director)	(9-15)
	MATH 413	Introduction to Numerical Analysis I	
	CSCI 301	Software Development	
	CSCI 303	Algorithms	
	CSCI 416	Introduction to Machine Learning	
	CSCI 420	Topics in Computer Science (subject to approval by Track Director)	
	CSCI 421	Database Systems	
	CSCI 426	Simulation	
	CSCI 668	Reliability Theory	
	CSCI 678	Statistical Analysis of Simulation Models	
	CSCI 688	Linear Regression	
	CSCI 688	Design of Experiments	
	CSCI 688	Topics in COR (subject to approval by Track Director)	
	ECON 308	Econometrics	
	ECON 380	Experimental Economics	
	ECON 407	Cross-Section Econometrics	
	ECON 408	Time-Series Econometrics	
	ECON 414	Bayesian Economics	
	ECON 400	Topics in Economics (subject to approval by Track Director)	

**combined credits must be 24**

Advisor Signature \_\_\_\_\_ Date \_\_\_\_\_

Track Director or Director Signature \_\_\_\_\_ Date \_\_\_\_\_