

## CAMS Major Worksheet – Operations Research 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
Comp. Req	CSCI 141/DATA141 CSCI 241	Computational Problem Solving Data Structures	7
Math. Req	MATH 212/213 MATH 211	Multivariable Calculus Linear Algebra	6
Writing Req	MATH 352/455/459 CAMS 495 & 496	Statistics elective (grade of C- or better) Honor thesis	3-6
OR & Stats. Req	BUAD 349/CAMS 210 MATH 323 MATH 424 Math 351/451	Overview of Operations Research Operations Research: Deterministic Models Operations Research: Stochastic Models Probability/Statistics	12
<b>Circle Planned Electives (choose 6 courses for 18 credits)</b>			
Business Electives	BUAD 460 BUAD 461 BUAD 463 BUAD 467 BUAD 468	Big Data Analytics Lean Six Sigma Toolkit Supply Chain Analytics Predictive Analytics Prescriptive Analytics	
OR & Stats. Electives	MATH 332 MATH 352 MATH 353 MATH 408 MATH 452 MATH 455 MATH 459	Graph Theory Statistical Data Analysis Advanced Statistical Data Analysis Advanced Linear Algebra Mathematical Statistics Statistical Learning Topics in Statistics	
Cross-disciplinary Electives	CSCI 416 CSCI 421 CSCI 426 CSCI 446 DATA 302 COR 6x6/6x8	Introduction to Machine Learning Database Systems Simulation Neural Networks Databases Computational Operations Research (COR) courses with permission of Track Director	

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

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