

PROGRAM CURRICULUM

Required Coursework for completion of one-of-a-kind degree in
Economic and Engineering Analysis of Biocomplex Systems

Course No.	Course Title	Credit Hours
Department of Statistics		
Stat 620	Statistical Theory I	4
Stat 621	Statistical Theory II	4
Stat 622	Statistical Theory III	4
Stat 641	Design and Analysis of Experiments	5
Stat 645	Applied Regression Analysis	5
Stat 651	Survey Sampling Methods	4
Stat 656	Applied Multivariate Analysis	5
Stat 662	Environmental Statistics	3
Stat 665	Discrete Data Analysis	4
Stat 694	Applied Bayesian Analysis (now offered as Stat 625)	4
Stat 742	Analysis of Variance	3
Stat 773	Statistical Computing	3
Stat 820	Statistical Inference I	3
Stat 832	Applied Probability Models	3
Department of Agricultural, Environmental and Development Economics		
AEDE 801	Applied Methods in Agricultural Economics Modeling	4
AEDE 802	Advanced Computational Economics	4
Econ 700	Advanced Mathematical Techniques in Economics	5
Econ 804	Microeconomic Theory I	5
Econ 805	Microeconomic Theory II	5
Econ 808	Microeconomic Theory III	5
Econ 806	Macroeconomic Theory I	5
Econ 807	Macroeconomic Theory II	5
Econ 809	Macroeconomic Theory III	5
Department of Chemical and Biomolecular Engineering		
ChBE 764	Chemical and Biomolecular Engineering Process Design	4
ChBE 772	Principles of Sustainable Engineering	3
ISE 702	Linear Programming (now offered as ISE 720)	3
ISE 820	Non-linear Programming	3