NUMERICAL ANALYSIS ELECTIVES for general and environmental civil engineering
One (1) course must be taken from this list. *Note: Math 265 may be substituted for this requirement.*

A E 316	*(3)*	*Applied Numerical Methods for Agricultural & Biosystems Engineering (NEW!)*
CE 556	(3)	Transportation Data Analysis
EM 425	(3)	Introduction to the Finite Element Method
I E 312	(3)	Optimization
LSCM 360	(3)	Business Logistics (not taught after S10)
LSCM 460	(3)	Decision Tools for Logistics and Operations Management
Math 307	*(3)*	*Matrices and Linear Algebra (NEW!)*
Math 308	(3)	Application of Linear Algebra to Discrete Optimization (03-05 catalog – discontinued))
Math 314	(3)	Graphs and Networks
Math 317	(4)	Theory of Linear Algebra
Math 373	(3)	Introduction to Scientific Computation (Math 265 is a prerequisite)
Stat 401	(4)	Statistical Methods for Research Workers
Stat 407	(3)	Methods of Multivariable Analysis
Stat 480	(3)	Statistical Computing Applications