

## BSE MATH/STAT Equivalent Course Listing

<b>Approved Equivalent Courses</b>	
<b>AOE/MATH 4404</b>	Applied Numerical Methods
<b>ALS 5406</b>	Analysis of Animal Experiments with SAS
<b>BMES/BSE/CHE 5044)</b>	Engineering Mathematics
<b>BSE 4304/5304G</b>	Watershed Modeling/Advanced Watershed Modeling
<b>CE 6010</b>	Computational Methods in Civil Engineering
<b>CEE 5984</b>	Data Analysis Env Sci & Eng.
<b>CEE 4324/5384</b>	Open Channel Flow/Advanced Open Channel Flow
<b>CEE 5314</b>	River Mechanics and Sediment Transport
<b>CEE 5600</b>	Civil Infrastructure Systems Analysis
<b>CEE 5724</b>	Environmental Monitoring and Sampling
<b>CEE 5884</b>	Pollutant Fate and Transport in the Environment
<b>CEE 5984</b>	Modeling of Environmental Flows
<b>CEE 5984 (MAE 6410)</b>	Engineering Mathematics 1
<b>CEE 5984 (MAE 6430)</b>	Probability and Statistics for Engineers and Scientists
<b>CEE5984 (MAE 6430)</b>	Probability and Statistics for Engineers and Scientists
<b>CHE 4134</b>	Process Modeling
<b>CHE 5984</b>	Engineering Data Analysis
<b>CS/BIOL/GBCB 5424</b>	Computational Cell Biology
<b>ENT 6004</b>	Design and Analysis of Agricultural Experiment
<b>ESM 5414</b>	Nonlinear Systems
<b>ESM 5984</b>	Fundamentals of Mechanics
<b>ESM 6984</b>	Computational Multiscale Methods
<b>FREC 4984/5984</b>	Hydroinformatics / Advanced Hydroinformatics
<b>GEOG 4984/5984</b>	Programming for Geospatial Applications Geography
<b>GEOG 5034</b>	Analysis of Spatial Data
<b>NSEG 5134</b>	Monte Carlo Methods for Particle Transport

<b>Rejected Courses</b>	
<b>BCHM 5024</b>	Computational Biochemistry for Bioinformatics
<b>CEE 5304</b>	Environmental Fluids Mechanics
<b>CHE 5125</b>	Transport Phenomena
<b>CHE 5094</b>	Advanced Chemical Engineering Kinetics
<b>PHS 5025/5026/5984</b>	Epidemiology and Quantitative Methods in Public Health I & II