# BSE MATH/STAT Equivalent Course Listing

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

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