

Approved BSE MATH/STAT Equivalent - Course Listing

FST 5984	Advanced Data Analytics for Food and Ag Sciences
BSE/CEE 5324	Advanced GIS in Hydrologic Analysis
FREC 5244G	Advanced Hydroinformatics
CSES 5304	Advanced Plant Genetics and Breeding
BSE 5124	AI & Cyber in Water Systems and Agriculture
GEOG 4324/5384	Algorithms in GIS / Programming for GIS
GEOG 5034	Analysis of Spatial Data
ALS 5406	Analysis of Animal Experiments with SAS
ECE 5464	Applications of Machine Learning
CEE 5174	Applied Analytics for Env. Science and Civil Eng.
ME 5984	Applied Machine Learning
AOE/MATH 4404	Applied Numerical Methods
CEE 5600	Civil Infrastructure Systems Analysis
CS/BIOL/GBCB 5424	Computational Cell Biology
CE 6010	Computational Methods in Civil Engineering
ESM 6984	Computational Multiscale Methods
CEE 5984	Data Analysis Env Sci & Eng.
FST 5984	Data Analytics for Food and AG Science
CS 5045	Data Sciences
ENT 6004	Design and Analysis of Agricultural Experiment
CHE 5984	Engineering Data Analysis
BMES/BSE/CHE 5044	Engineering Mathematics
CEE 5984 (MAE 6410)	Engineering Mathematics 1
BAE 590	Env. and Agricultural Data Analytics and Modeling
CEE 5724	Environmental Monitoring and Sampling
ME 5634	Finite Elements in Machine Design
ESM 5984	Fundamentals of Mechanics
BGU30045	Geovisualization and Geostatistics
ALS 5224	Introduction to Genomic Data Science
CS 5805	Machine Learning I
CEE 5984	Modeling of Environmental Flows
NSEG 5134	Monte Carlo Methods for Particle Transport
ESM 5414	Nonlinear Systems
CEE 4324/5384	Open Channel Flow/Advanced Open Channel Flow
CEE 5140	Pollutant Fate and Transport in the Environment
CEE 5984 (MAE 6430)	Probability and Statistics for Engineers and Scientists
CHE 4134	Process Modeling
GEOG 5984	R Programming for Geospatial Applications
CEE 5314	River Mechanics and Sediment Transport
ME 5104	Thermodynamics: Foundations/Applications
BSE 4304/5304G	Watershed Modeling/Advanced Watershed Modeling