

This table lists examples of additional approved TPEHS courses that are currently offered.

Competencies	TPEHS Core Curriculum	Examples of elective or required components of participating graduate programs meeting TPEHS Core curriculum
Fundamental and Advanced Principals of Toxicology	Environmental Health	Epidemiology I, PHM2612L, Pharmacoepidemiology and Pharmacogenetics, GS5108, Ethics & Regulatory Prep for Res with Animals, GS-CC-6207, Intro to Health Disparities, GS-GS-4202
Anatomy, Physiology and Applied Systems Biology	Environmental Health	Human Physiology 1&2, GS-DD-6301, Foundations A: Molecules to Systems, GS-GS-6400, Cellular Signaling, CC 6208, Orientation to Clin Transl Res, GS-GS-6206 Technologies for Drug Disc & Development, GS-CC-6401, Pharmacol Concepts, Drug Discovery and Devel, GS-CP-6301, Cells Tissues and Organs, IY-6201
Biochemistry, Molecular Biology and Molecular Genetics	Genomics and Epigenomics	Genetic Epidemiology and Pop Genetics GS-GG-6102, Mammalian Genetics, GS-GG-6202, Molecular Carcinogenesis, GS-CC-6302, Model Systems Genetics, GS-GG-6305, Adv. Topics-Epigenetics, GS04-1231 Epigenetics: From Mechanism to Disease GS04 1243
Experimental Design and Critical Thinking Skills	Data Science	Single Cell Methods and Analysis, GS-GG-6205, Method and Logic in Genetics/Genomics, GS-GG-6204, Experimental Methods in Epidemiology, PH2712L, Quant Methods in Genetic Epidemiology GS11-1103 Bioinformatic and Genomic Analyses, GS-GG-6301, Reading and Eval Sci Literature, GS-CC-5101, Thinking Like a Scientist 1 & 2, GS-CP-6202
Data and Statistical Analysis	Data Science	Quantitative Methods in Genetic Epidemiology, GS11 1033, Intro to Genomics and Bioinformatics, GS11 1073, Applications to Biology of Computation, GS-QC-6201, Explorative Data Analysis, GS-CC-6202, Intro to Bioinformatics, GS01-1143, Fundamentals of Data Analytics & Predictions, PH 1976, Intermediate Biostatistics, PH 1700L, Statistical Anal of Genomic Data, BMI 5332, Genomics & Precision Med, BMI, 6332 Introduction to Machine Learning workshop, GCC/Rice
Ethics	Responsible of Conduct of Research	Legal and Ethical Aspects of Health Informatics, BMI 5305
Professional and Communication Skills	Career Development	Leadership Skills, GS-GS 5107, Fund. of Effective Grant Writing, IY-6303, NRSA Grant Writing and Project Develop, GS-CC-5301, Powerful Presentations. GS-GS-5112, Student Research Seminars, GS-CC-5100, Scientific Writing, GS-GS-5105, Scientific Writing for Grant Proposals, GS03 1111, Pathway to Independence: K99/R00 Prep, GCC seminar