



TRAINING PROGRAM IN ENVIRONMENTAL EPIDEMIOLOGY CURRICULUM
FOR PRE DOCTORAL TRAINEES ON THE NIEHS-FUNDED TRAINING GRANT (T32/NRSA)

TABLE 1: PRE-DOCTORAL CORE COURSES

YEAR 1

COURSE NUMBER	TITLE	CREDITS
EPI 201	Introduction to Epidemiology: Methods I	2.5
EPI 202	Epidemiologic Methods: Elements of Epidemiologic Research	2.5
EPI 203	Study Design in Epidemiologic Research	2.5
EH 205	Human Physiology	5.0
PHS 2000 A & B	Quantitative Research Methods in Population Health Sciences I, II	10
ID 215	Environmental and Occupational Epidemiology	2.5
HPM 548	Responsible Conduct of Research (in addition to CITI)	1.25
TBD	Electives*	13.75

YEAR 2

COURSE NUMBER	TITLE	CREDITS
EH 504	Principles of Toxicology I, II	5
EH 520	Research Design in Environmental Health (EH Depart.)	2.5
TBD	Electives*	32.5

YEAR 3

COURSE NUMBER	TITLE	CREDITS
EPI 205	Practice of Epidemiology (Epi. Depart.)	2.5

Among the electives, students supported by this training grant must take at least an additional 15 credits related to epidemiology and environmental health, with at least 5 credits in each discipline. See **Tables 2 and 3.*

NOTE: Specific coursework may be required based on your Area of Specialization. Check the department’s curriculum guide for your specific Area of Specialization course requirements. Use these requirements to guide your selection of the 15 additional credits in Table 2 and 3. Make sure you complete all of the required coursework for **both** the T32 and your Area of Specialization.

TABLE 2: ENVIRONMENTAL HEALTH ELECTIVES

COURSE NUMBER	TITLE	CREDITS
EH 208	Pathophysiology of Human Disease	5.0
EH 231	Occupational Health Policy and Administration	2.5
EH 232	Introduction to Occupational and Environmental Medicine	2.5
EH 236	Epidemiology of Environmental and Occupational Health Regulations	5.0
EH 257	Water Pollution	5.0
EH 262	Introduction to Work Environment	2.5
EH 278	Human Health and Global Environmental Change	2.5
EH 297	Atmospheric Environment	5.0
EH 298	Environmental Epigenetics	2.5
EH 510	Fundamentals of Human Environment Exposure Assessment	2.5
EH 514	Environmental Leadership: Integrating Science, Public Policy, and Political Rhetoric	1.25
EH 521	Environmental Cardiology	1.25
RDS 500	Risk Assessment	2.5
ID 263	Practice of Occupational Health	5.0



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ID 269	Respiratory Epidemiology	1.25
ID 271	Advanced Regression for Environmental Epidemiology	2.5

TABLE 3: EPIDEMIOLOGY ELECTIVES

COURSE NUMBER	TITLE	CREDITS
EPI 213	Epidemiology of Cancer	2.5
EPI 221	Pharmacoepidemiology	2.5
EPI 223	Cardiovascular Epidemiology I	2.5
EPI 240	Biomarkers in Epidemiologic Research	1.25
EPI 247	Epidemiologic Methods Development – Past and Present	2.5
EPI 249	Molecular Biology for Epidemiologists	2.5
EPI 269	Epidemiological Research in OB/GYN	2.5
EPI 284	Epidemiology of Neurologic Diseases	2.5
EPI 288	Introduction to Data Mining and Risk Prediction	2.5
EPI 289	Epidemiologic Methods III: Models of Causal Inference	2.5
EPI 293	Analysis of Genetic Association Studies	2.5
EPI 507	Genetic Epidemiology	2.5
EPI 511	Advanced Population and Medical Genetics	5.0
ID 214	Nutritional Epidemiology	2.5

TABLE 4: ADDITIONAL RECOMMENDED BIostatISTICS COURSES

COURSE NUMBER	TITLE	CREDITS
BST 282	Introduction to Computational Biology and Bioinformatics	5.0
BST 212	Survey Research Methods in Community Health	2.5
BST 223	Applied Survival Analysis	5.0
BST 226	Applied Longitudinal Analysis	5.0

Additional Not-For-Credit Offerings

- *Scientific Communication + Writing: Fall 2 of the 1st and 2nd year.*
- *Pedagogy & Teaching: Spring 1, year 1 and continue through second year.*