

These **recommended** courses are available to assist trainees in developing their educational curriculum. Trainees are allowed to substitute 8 hours of the [Postdoctoral Association's RCR training series](#) for Ethical Dimensions of the Biomedical Sciences, if they wish.

## Recommended Courses

- GS210051 Ethical Dimensions of the Biomedical Sciences, -1 Credit Hour
- PH 2998 L150 Innovative Thinking, -1 Credit Hour
- GS210062 Professional Science Skills: Communications, -2 Credit Hours (summer only)
- GS210123 Disparities in Health in America: Working Toward Social Justice -3 Credit Hours
- GS210101 Surviving in Science, -1 Credit Hour
- **One of the following two courses:**
  - GS210132 Human Protocol Research (trials), -2 Credit Hours
  - GS210232 Translational Research, -2 Credit Hours

## Recommended Courses by Discipline

### Epidemiology Courses

- PH2610 Introduction to Epidemiology -3 Credit Hours
- PH2615 Design and Management of Epidemiologic Field Studies -4 Credits Hours
- PH2710 Advanced Epidemiologic Methods I -3 Credit Hours
- PH 2712 Experimental Methods in Epidemiology -3 Credit Hours
- GS40032 Molecular Epidemiology -2 Credit Hours

### Cancer Biology Courses

- GS40063 Cancer Biology, -3 Credit Hours
- PH 2165 Mutagenesis and Carcinogenesis, -3 Credit Hours
- GS40113 Mechanisms of Carcinogenesis, -3 Credit Hours
- PH 2910 Introduction to Microarrays and Computational Systems Biology, -2 Credit Hours

### Genetics Courses

- GS110013 Genetics and Human Disease, -3 Credit Hours
- GS110043 Molecular and Genetic Basis of Obesity, -3 Credit Hours
- GS110033 Methods in Genetic Epidemiology Linkage, -3 Credit Hours
- GS110092 Genetic Epidemiology of Chronic Diseases, -3 Credit Hours
- PH 2850 & 2925 Population Genetics, -2 Credit Hours
- PH3315, GS110023 Molecular & Cellular Approaches to Human Genetics, -3 Credit Hours
- GS40203 Experimental Genetics, -3 Credit Hours

- GS110042 Population Genetics, -3 Credit Hours
- GS110082 Psychosocial Issues in Genetics, -3 Credit Hours
- GS110711 Seminar in Genetics and Population Biology, -3 Credit Hours
- GS11300 Analytic Methods for Genetic Studies, -3 Credit Hours

### **Biophysics, Medical Physics and Nuclear Medicine Courses**

- GS020042 Radiation Biology, -2 Credit Hours
- GS020093 Introduction to Medical Physics I, Basic Interaction, -3 Credit Hours

### **Nutrition and Physical Activity Courses**

- PH2998 Nutritional Epidemiology, -2 Credit Hours
- GS110043 Molecular and Genetic Basis of Obesity, -3 Credit Hours
- PH 1235 Social and Behavioral Aspects of Physical Activity, -3 Credit Hours

### **Immunology Courses**

- GS060014 Immunology I, -4 Credits Hours
- GS060073 Cytokines and the Immune Response, -3 Credit Hours
- GS060102 Immunology II: Regulation of Immune Responses, -2 Credit Hours
- GS060112 Immunology III: Molecular Immunology, -2 Credit Hours

### **Virology Courses**

- GS040043 Molecular Principles of Virology, -3 Credit Hours
- GS040711 Seminar in Virology and Gene Therapy, -1 Credit Hour

### **Biomathematics Courses**

- GS010033 Introduction to Biostatistics and Bioinformatics, -3 Credit Hours
- GS010014 Biomedical Statistics, -4 Credits Hours
- GS010013 Bayesian Data Analysis, -3 Credit Hours
- GS010023 Survival Analysis, -3 Credit Hours

### **Behavioral Science Courses**

- PH 1415 Transtheoretical Model of Behavior Change, -3 Credit Hours
- GS140023 Cognitive Neuroscience I, -3 Credit Hours
- PH 1125 Principles & Practice of Data Management in Behavioral Science Research, -3 Credit Hours
- PH 1130 Measurement Theory, -3 Credit Hours
- PH 1330 Scientific Writing for the Behavioral Sciences, -3 Credit Hours
- PH 1420 & 1421 Research Design & Analysis in Behavioral Science I & II, 3 Credit Hours

## Health Promotion and Health Education Courses

- PH7498 Special Topics in Health Promotion & Health Education (Cancer Prevention & Control), 1-4 Credit Hours
- PH7116 Health Promotion Theory and Methods, -3 Credit Hours
- PH 1115 Health Survey Research Design, -3 Credit Hours
- PH 1118 Introduction to Qualitative Research Methods, -3 Credit Hours
- PH 1120 Introduction to Program Evaluation, -3 Credit Hours

[Back to top](#)