The following courses were developed by the CSULB BUILD Initiative for the University. Trainees in the BUILD program are required to take these courses, or approved substitute courses. Before taking an alternative/substitute course, the trainee must get approval from their Learning Community (Associate or Scholar) Training Director.

Associates are required to take at least one course. It is strongly recommended Associates take Intro Research Methods, and are encouraged to take Interdisciplinary Approaches to Health Disparities. If the introduction to research methods requirement has been satisfied, Associates may also enroll in Scientific Research Communication.

Scholars are required to take at least two courses during the program (one per academic year). Taking more than the minimum of two is encouraged.

**RSCH 207 - Interdisciplinary Approaches to Health Disparities (3)**
General Education: Social Sciences & Citizenship (D.2)
Prerequisite: At least one GE Foundation requirements
This course covers the definition, prevalence, risk and protective factors, and interventions for health disparities among diverse populations. Using problem-based approaches, students will learn about discipline-specific and interdisciplinary methods to address common biomedical issues in a culturally relevant way.

Alternate Courses:
  - HSC 407: Health Equity and Health Disparities in the US

**RSCH 296A – Introduction to Biomedical Research Methods (3)**
Introduction to principles and ethics of experimentation, hypothesis formulation and testing. Students will learn data measurement, analysis and presentation, how to find and read scientific literature, keep a laboratory notebook and basic data graphing and analysis skills.

Alternate Courses:
  - The first choice alternative would be the RSCH 296B – Introduction to Behavioral Research Methods

  Other options include:
  - HDEV 320: Research Methods
  - MAE 300: Engineering Instrumentation and Measurement
  - PSY 220: Intro to Research Methods

**RSCH 296B - Introduction to Behavioral Research Methods (3).**
Introduces topics for inquiry and analysis in behavioral and social science research. Historical events shaping current ethical standards for research guide research design, analysis, and reporting. Students learn observation and experimentation, hypotheses formulation and testing, measurement, analysis, and reporting.

Alternate Courses:
  - The first choice alternative would be the RSCH 296A – Introduction to Biomedical Research Methods

  Other options include:
RSCH 361 – Scientific Research Communication (3)
General Education: Upper Division Capstone Category F Writing Intensive
Prerequisites: Completion of the GE foundation, completion of one explorations course, score of 11 or higher on the GWAR Placement Examination or successfully completed the necessary portfolio course that is a prerequisite for a GWAR Writing Intensive Capstone.
Introduction to technical writing for students pursuing research careers. Accessing and using research literature. Writing technical and research reports for various purposes and audiences. Oral presentation of research and scientific information. Includes intensive writing.

RSCH 496A - Advanced Biomedical Research Methods (3)
General Education: Upper Division Capstone Category F Advanced Skills
Prerequisites: Upper Division standing, completion of the GE Foundation, one or more Explorations courses and HHS 361 or C/LA 361 or RSCH 361 or NSCI 361.
An advanced study of the theoretical and practical aspects of conducting biomedical research including hypothesis formulation, experimental design, assessment of error within empirical data, and the preparation of sound and fundable grant proposals.
Alternate Courses:
RSCH 496B – Advanced Behavioral Research Methods

RSCH 496B - Advanced Behavioral Research Methods (3)
General Education: Upper Division Capstone Category F Advanced Skills
Prerequisites: Upper Division standing, completion of the GE Foundation, one or more Explorations courses.
An advanced study of the theoretical and practical aspects of conducting biomedical research including hypothesis formulation, experimental design, assessment of error within empirical data, and the preparation of sound and fundable grant proposals.
Alternate Courses:
The first choice alternative would be the RSCH 496A – Advanced Biomedical Research Methods
Other options include:
PSY 411: Statistical Design and Analysis of Experiments – Psychology Majors only
PSY 412: Multivariate Statistical Analysis
PSY 433: Research in Cognition and Learning
PSY 451: Research in Social Psychology