### MAJOR COURSEWORK (22 credits)

Public Health Core (15 credits)

- **SPH-B 589 Social and Behavioral Determinants of Health** (3cr.)
- **SPH-E 651 Epidemiology** (3 cr.)
- **SPH-P 510 Organization and Administration of Public Health Programs** (3 cr.)
- **SPH-Q 501 Introduction to Statistics in Public Health** (3 cr.)
- **SPH-V 541 Environmental Health Science** (3 cr.)

Required (7 credits)

- **SPH-Q 696 Field Experience in Public Health** (4 cr.) P: GPA of ≥ 3.0
- **SPH-Q 698 MPH Culminating Experience** (3 cr.)

### CONCENTRATION COURSEWORK (21 credits)

#### BIOSTATISTICS

**Required** (9 credits)

- **SPH-Q 602 Multivariate Statistical Analysis** (3 cr.) *P: SPH-Q 501*
- **SPH-Q 603 Categorical Data Analysis** (3 cr.) *P: SPH-Q 501.*
- **SPH-Q 612 Survival Analysis** (3 cr.) *P: SPH-Q 501.*

**Statistics Electives** (Complete 6 credits from the following courses)

- **SPH-Q 601 Experimental Analysis & Design** (3 cr.) *P: SPH-Q 501*
- **SPH-Q 604 Applied Linear Regression** (3 cr.) *P: SPH-Q 501*
- **SPH-Q 605 Statistical Analysis of Multi-level and Longitudinal Data** (3 cr.) *P: SPH-Q 501*
- **SPH-Q 611 Statistical Packages in Research** (3 cr.)
- **STAT-S 626 Bayesian Theory and Data Analysis** (3 cr.) *P: Two statistics courses at the graduate level, or consent of instructor.*
- **STAT-S 632 Applied Linear Models II** (3 cr.) *P: STAT-S 631, or consent of instructor.*

Statistics elective choices continued on the next page.
STAT-S 639 Multilevel Models (3 cr.) P: Two statistics courses at the graduate level, or consent of instructor. Course is equivalent to EDUC-Y 639.

STAT-S 660 Sampling (3 cr.) P: Two statistics courses at the graduate level, or consent of the instructor.

STAT-S 670 Exploratory Data Analysis (3 cr.) P: Two statistics courses at the graduate level, or consent of the instructor.

STAT-S 675 Statistical Learning and High-Dimensional Data Analysis (3 cr.) P: STAT-S 640, or two statistics courses at the graduate level, or consent of the instructor.

STAT-S 690 Statistical Consulting (3 cr.) P: Consent of instructor.

Other Electives (6 credits)

XXXX-X XXX (3 cr.) P: Prior permission of advisor

XXXX-X XXX (3 cr.) P: Prior permission of advisor

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<tr>
<td>B589 Soc/Behv Determ of Hlth (3)</td>
<td>Elective (3)</td>
<td>Elective (optional)</td>
<td>Q602 Multiv Statistical Analysis (3)</td>
<td>Q698 MPH Culm Exp in BIO (1)</td>
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<td>Q501 Intro to Stats in Pub Hlth (3)</td>
<td>PS10 Org/Admin of Pub Hlth Prog (3)</td>
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<td>Electives (3-6)</td>
<td>Q696 Field Exp in Pub Hlth in BIO (5)</td>
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<td>V541 Environmental Health (3)</td>
<td>Electives (3-6)</td>
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<td>Q698 MPH Culm Exp in BIO (1)</td>
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<td>E651 Epidemiology (3)</td>
<td>Q603 Categ Data Analysis (3)</td>
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