



**Curriculum Timeline**  
 Master of Science Degree  
 Biomedical and Translational Science

The curriculum to earn the Master of Science degree in Biomedical and Translational Science (MS-BATS) requires two years [six (6) academic quarters plus one (1) summer quarter] of coursework and research training. During their first year, students will focus on required coursework needed to establish a solid foundation in the fundamental disciplines underlying modern biomedical and clinical research. The second year curriculum provides extensive research training where students will choose a research mentor and apply those principals learned during their first year of coursework.

| <b>MS-BATS – Two-Year Curriculum (Students who completed Clinical Research Certificate Program)</b> |  |   |  |  |
|---|--|---|--|--|
| <b>Year 1</b>   | <b>Summer</b>                          | <b>Fall</b>                                     | <b>Winter</b>  | <b>Spring</b>  |
| Saturday  | Ethics in Clinical Research (BATS 296) | Introduction to Medical Statistics (BATS 209A)  | Introduction to Clinical Epidemiology (BATS 210A)                            | Design and Analysis of Clinical Trials (BATS 232)    |
| <b>Year 2</b>   | <b>Summer</b>                          | <b>Fall</b>                                     | <b>Winter</b>  | <b>Spring</b>  |
| Thursday  |  | Health Politics and Policy (BATS 255)           | Introduction to Medical Statistics II (BATS 209B)                            | Quality Efficiency and Cost Effectiveness (BATS 251) |
| Thursday  |  | Disparities in Health and Healthcare (BATS 253) | Measurement Science, Outcomes Research & Advanced Applied Methods (BATS 247) | Comparative Effectiveness Research (BATS 245A)       |
| Thursday  |  | BATS (280) Seminar                              | BATS (280) Seminar   | BATS (280) Seminar                                   |
|   |  | <i>Optional Elective</i>                        | <i>Optional Elective</i>   | <i>Optional Elective</i>                             |
|   |  | Independent Directed Research (BATS 299)        | Independent Directed Research (BATS 299)                                     | Independent Directed Research (BATS 299)             |
|   |  | MS Thesis Research & Writing (BATS 295)         | MS Thesis Research & Writing (BATS 295)                                      | MS Thesis Research & Writing (BATS 295)              |

\*\*\*A total of 50 units is the minimum requirement in order to earn BATS degree.