

## 2026-27 Academic Catalog/Class of 2027 Graduation Requirements

# Master of Science in Population Health Sciences (MSPHS)

The MSPHS is a 35.5 semester credit hour program that is designed to be completed in either 12 months (three semesters) full-time or over an extended period part-time. The coursework is comprised of required courses, elective courses, an internship or research experience, and a capstone.

### Program Requirements

| FALL Core Courses                                                              | Units       |
|--------------------------------------------------------------------------------|-------------|
| <b>PHAR 5332</b> Biostatistics                                                 | 2.5         |
| <b>POP/PHAR 7546</b> Healthcare Delivery Science and Medication Safety         | 1.5         |
| <b>POP/PHAR 7563</b> Fundamentals of Medical Affairs/ <b>RES 6000/Res 6001</b> | 1.5/3.0/1.5 |
| <b>MATH 5100</b> Data Analytics in Python                                      | 1.5         |
| <b>MSCM 5005</b> Chronic and Infectious Diseases in Community Health           | 3.0         |
| <b>POP 7700</b> Capstone                                                       | 3.0         |
| <b>Electives</b>                                                               | 3.0-6.0     |
| <b>Subtotal</b>                                                                | <b>16.0</b> |

#### SUMMER Experiential Component

Internship / Research Experience

400 Hours

| Spring Core Courses                                                                          | Units       |
|----------------------------------------------------------------------------------------------|-------------|
| <b>POP/PHAR 6421</b> Pharmacoeconomics and Pharmacovigilance                                 | 2.0         |
| <b>POP/PHAR 6428</b> Population Health                                                       | 2.0         |
| <b>POP/PHAR 7513</b> Healthcare Finance and Reimbursement/ <b>RES 6000/RES 6001</b>          | 1.5/3.0/1.5 |
| <b>POP 7520</b> Pharmaceutical Marketing/ <b>RES 6000/RES 6001</b>                           | 1.5/3.0     |
| <b>POP 7543</b> Planning, Implementing, and Optimizing Systems/ <b>RES 6000/RES 6001</b>     | 3           |
| <b>PHAR 5370</b> Introduction to Industry                                                    | 2.0         |
| <b>MATH 5300</b> Machine Learning in Life Sciences (or <b>MATH 5220</b> Data Analytics in R) | 1.5         |
| <b>POP 7700</b> Capstone (Repeat)                                                            | 3.0         |
| <b>Electives</b>                                                                             | 3.0-6.0     |
| <b>Subtotal</b>                                                                              | <b>19.5</b> |