The Master of Public Health and Tropical Medicine (MPHTM) is a public health degree with a specialty in infectious diseases, and especially those diseases found in tropical regions. The program prepares public health practitioners to plan and evaluate disease control and prevention programs, physicians to better treat and evaluate tropical diseases, or students to pursue medical school and other medical professions. The curriculum consists of core public health courses and specialty courses in the biological, medical, social, and epidemiological aspects of diseases that are more prevalent in tropical countries. Physicians are able to pursue a clinical focus of study and are eligible for the Certification Exam in Clinical Tropical Medicine and Traveler’s Health by the American Society of Tropical Medicine and Hygiene.

Program Competencies (https://sph.tulane.edu/trmd/mphtm/)

- Assess key elements affecting the pathogenesis and transmission of infectious diseases commonly found in the tropics.
- Assess the risk factors influencing tropical disease prevention, control and diagnosis.
- Apply identification appropriate techniques, as they relate to specific tropical disease pathogen and vector.
- Critique relevant methods for planning and evaluating tropical disease control and prevention programs.
- Apply appropriate diagnostic and treatment techniques for tropical diseases (clinical track only).

Requirements

The MPH&TM degree requires a total of 42 credits that include:

**Foundational Requirements** (15 credits)

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPHL 6020</td>
<td>Foundations in Public Health</td>
<td>3</td>
</tr>
<tr>
<td>SPHL 6050</td>
<td>Biostatistics for Public Health</td>
<td>3</td>
</tr>
<tr>
<td>SPHL 6060</td>
<td>Epidemiology for Public Health</td>
<td>3</td>
</tr>
<tr>
<td>SPHL 6070</td>
<td>Health Systems Policy and Mgmt</td>
<td>3</td>
</tr>
<tr>
<td>SPHL 6080</td>
<td>Design Strategies in PH Prgrms</td>
<td>3</td>
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</table>

**Program Course Requirements** (16 to 20 credits)

1. Public Health focus (9 credits)

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TRMD 6010</td>
<td>Biol Basis of Disease</td>
<td>3</td>
</tr>
<tr>
<td>TRMD 6060</td>
<td>Medical Entomology</td>
<td>3</td>
</tr>
<tr>
<td>TRMD 6420</td>
<td>Tropical Virology</td>
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OR

2. Clinical Focus (5 credits)

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TRMD 6340</td>
<td>Diagnostic Meth/Microbio</td>
<td>2</td>
</tr>
<tr>
<td>TRMD 7860</td>
<td>Clinical Case Presentats</td>
<td>1</td>
</tr>
<tr>
<td>TRMD 7960</td>
<td>Clinical Trop Medicine</td>
<td>2</td>
</tr>
</tbody>
</table>

**Electives** (7-11 credits)

Selected from courses offered within the department, school, or university in consultation with an academic advisor.

**Additional Clinical Track Recommended Coursework**

Physicians and other eligible health care professionals interested in deepening their knowledge of diagnoses and treatment of tropical diseases will take additional courses on the clinical aspects of tropical diseases. To be eligible for the Certification Exam in Clinical Tropical Medicine and Traveler’s Health offered by the American Society of Tropical Medicine and Hygiene, students are required to successfully complete the courses below.
Students in the clinical track must take Tropical Medicine Seminar (TRMD-7000) at least once to fulfill the specialty requirements.

Applied Practice Experience (SPHL 9980)

The Applied Practice Experience (APE) (formerly practicum) is a supervised practice experience conducted in an agency or organization external to the university to gain practical experience. The APE allows students to demonstrate attainment of at least five competencies, including at least 3 from the foundational competencies (CEPH Criterion D2). The APE is conducted after completion of the foundational courses. After identifying the APE setting and defining the competencies, students enter the information into Terra Dotta. An APE report is required that summarizes the field experiences.

Integrated Learning Experience (SPHL 7950)

All students must complete an Integrated Learning Experience (ILE) (formerly culminating experience) that demonstrates the synthesis of foundational and concentration competencies. Students in the MSPH in Biostatistics conduct a public health analysis.

MPHTM Model Course Schedule

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Year 1, Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPHL 6020</td>
<td>Foundations in Public Health</td>
<td>3</td>
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<tr>
<td>SPHL 6050</td>
<td>Biostatistics for Public Health</td>
<td>3</td>
</tr>
<tr>
<td>TRMD 6050</td>
<td>Medical Helminthology</td>
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</tr>
<tr>
<td>TRMD 6070</td>
<td>Medical Protozoology</td>
<td>2</td>
</tr>
<tr>
<td>TRMD 6330</td>
<td>Microbial Disease of Trp</td>
<td>2</td>
</tr>
<tr>
<td>Year 1, Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPHL 6060</td>
<td>Epidemiology for Public Health</td>
<td>3</td>
</tr>
<tr>
<td>SPHL 6070</td>
<td>Health Systems Policy and Mgmt</td>
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</tr>
<tr>
<td>SPHL 6080</td>
<td>Design Strategies in PH Prgrms</td>
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<tr>
<td>TRMD 6060</td>
<td>Medical Entomology</td>
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<tr>
<td>TRMD 6080</td>
<td>Medical Protozoology Lab</td>
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</tr>
<tr>
<td>TRMD 7000</td>
<td>Tropical Medicine Semin</td>
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<tr>
<td>Elective (clinical focus)</td>
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<td>Year 1, Summer Session</td>
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<tr>
<td>Year 2, Fall Semester</td>
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<tr>
<td>TRMD 6350</td>
<td>Disease Prev and Control</td>
<td>2</td>
</tr>
<tr>
<td>TRMD 7000</td>
<td>Tropical Medicine Semin</td>
<td>1</td>
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<tr>
<td>TRMD 6200</td>
<td>Impact Evaluation in GH</td>
<td>3</td>
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<tr>
<td>TRMD 6340</td>
<td>Diagnostic Meth/Microbio</td>
<td>2</td>
</tr>
<tr>
<td>TRMD 7960</td>
<td>Clinical Trop Medicine</td>
<td>2</td>
</tr>
<tr>
<td>Year 2, Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPHL 7950</td>
<td>Integrated Learning Experience</td>
<td>0</td>
</tr>
</tbody>
</table>

Total Degree Credits: 42

MPHTM Model Course Schedule

Year 1, Fall Semester

TRMD 6050 Medical Helminthology (2)
TRMD 6070 Medical Protozoology (2)
TRMD 6090 Parasitology Laboratory (1)
TRMD 6330 Microbial Diseases of the Tropics (2)
SPHL 6020 Foundations of Public Health (3)
SPHL 6050 Biostatistics for Public Health (3)

Semester subtotal: 13

**Year 1, Spring Semester**

TRMD 6080 Medical Protozoology Laboratory (1)
TRMD 7000 Tropical Medicine Seminar (1)
SPHL 6060 Epidemiology for Public Health (3)
SPHL 6070 Health Systems, Policy and Management (3)
SPHL 6080 Design Strategies for Public Health Programs (3)
TRMD 6060 Medical Entomology (PH focus) (3)
Elective (clinical focus) (3)

Semester subtotal: 14

**Year 1, Summer Semester**

Practicum

**Year 2, Fall Semester**

TRMD6350 Disease Prevention and Control in Developing Countries (2)
TRMD7000 Tropical Medicine Seminar (1)
TRMD6200 Impact Evaluation in Global Health (PH focus) (3)
TRMD6310 Clinical Tropical Medicine (clinical focus) (2)
TRMD6360 Clinical Tropical Medicine Case Presentations (clinical focus) (1)
TRMD6340 Diagnostic Laboratory Methods in Microbiology (clinical focus) (2)
Electives (6)

Semester subtotal: 12-14

**Year 2, Spring Semester**

Electives 1-3
Public Health Analysis

Total Degree Credits: 42

MPHTM Model Course Schedule

**Year 1, Fall Semester**

TRMD 6050 Medical Helminthology (2)
TRMD 6070 Medical Protozoology (2)
TRMD 6090 Parasitology Laboratory (1)
TRMD 6330 Microbial Diseases of the Tropics (2)
SPHL 6020 Foundations of Public Health (3)
SPHL 6050 Biostatistics for Public Health (3)

Semester subtotal: 13

**Year 1, Spring Semester**

TRMD 6080 Medical Protozoology Laboratory (1)
TRMD 7000 Tropical Medicine Seminar (1)
SPHL 6060 Epidemiology for Public Health (3)
SPHL 6070 Health Systems, Policy and Management (3)
SPHL 6080 Design Strategies for Public Health Programs (3)
TRMD 6060 Medical Entomology (PH focus) (3)
Elective (clinical focus) (3)

Semester subtotal: 14

**Year 1, Summer Semester**

Practicum
**Year 1, Fall Semester**

- TRMD 6050 Medical Helminthology (2)
- TRMD 6070 Medical Protozoology (2)
- TRMD 6090 Parasitology Laboratory (1)
- TRMD 6330 Microbial Diseases of the Tropics (2)
- SPHL 6020 Foundations of Public Health (3)
- SPHL 6050 Biostatistics for Public Health (3)

Semester subtotal: 13

**Year 1, Spring Semester**

- TRMD 6080 Medical Protozoology Laboratory (1)
- TRMD 7000 Tropical Medicine Seminar (1)
- SPHL 6060 Epidemiology for Public Health (3)
- SPHL 6070 Health Systems, Policy and Management (3)
- SPHL 6080 Design Strategies for Public Health Programs (3)
- TRMD 6060 Medical Entomology (PH focus) (3)
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Semester subtotal: 14

**Year 1, Summer Semester**

Practicum

**Year 2, Fall Semester**

- TRMD6350 Disease Prevention and Control in Developing Countries (2)
- TRMD7000 Tropical Medicine Seminar (1)
- TRMD6200 Impact Evaluation in Global Health (PH focus) (3)
- TRMD6310 Clinical Tropical Medicine (clinical focus) (2)
- TRMD6360 Clinical Tropical Medicine Case Presentations (clinical focus) (1)
- TRMD6340 Diagnostic Laboratory Methods in Microbiology (clinical focus) (2)
- Electives (6)

Semester subtotal: 12-14

**Year 2, Spring Semester**

Electives 1-3

Public Health Analysis

Total Degree Credits: 42

MPHTM Model Course Schedule
**Year 1, Fall Semester**

- TRMD 6050 Medical Helminthology (2)
- TRMD 6070 Medical Protozoology (2)
- TRMD 6090 Parasitology Laboratory (1)
- TRMD 6330 Microbial Diseases of the Tropics (2)
- SPHL 6020 Foundations of Public Health (3)
- SPHL 6050 Biostatistics for Public Health (3)

*Semester subtotal: 13*

**Year 1, Spring Semester**

- TRMD 6080 Medical Protozoology Laboratory (1)
- TRMD 7000 Tropical Medicine Seminar (1)
- SPHL 6060 Epidemiology for Public Health (3)
- SPHL 6070 Health Systems, Policy and Management (3)
- SPHL 6080 Design Strategies for Public Health Programs (3)
- TRMD 6060 Medical Entomology (PH focus) (3)
- Elective (clinical focus) (3)

*Semester subtotal: 14*

**Year 1, Summer Semester**

- Practicum

**Year 2, Fall Semester**

- TRMD 6350 Disease Prevention and Control in Developing Countries (2)
- TRMD 7000 Tropical Medicine Seminar (1)
- TRMD 6200 Impact Evaluation in Global Health (PH focus) (3)
- TRMD 6310 Clinical Tropical Medicine (clinical focus) (2)
- TRMD 6360 Clinical Tropical Medicine Case Presentations (clinical focus) (1)
- TRMD 6340 Diagnostic Laboratory Methods in Microbiology (clinical focus) (2)
- Electives (6)

*Semester subtotal: 12-14*

**Year 2, Spring Semester**

- Electives 1-3
- Public Health Analysis

*Total Degree Credits: 42*