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 foundational public health courses and specialty courses in the biological, medical, social, and epidemiological aspects of diseases that are more prevalent in tropical countries. Physicians may be 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 factors influencing tropical disease prevention, control and diagnosis.
- Identify appropriate techniques, as they relate to specific tropical disease pathogen and vector for diagnosis, prevention, and control.
- Critique relevant methods for planning and evaluating tropical disease control and prevention programs.

Requirements
The MPH&TM degree requires a total of 45 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>
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<tr>
<td>SPHL 6050</td>
<td>Biostatistics for Public Health</td>
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<tr>
<td>SPHL 6060</td>
<td>Epidemiology for Public Health</td>
<td>3</td>
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<tr>
<td>SPHL 6070</td>
<td>Health Systems Policy and Mgmt</td>
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<tr>
<td>SPHL 6080</td>
<td>Design Strategies in PH Prgrms</td>
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**Program Course Requirements** (18 credits)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>TRMD 6050</td>
<td>Medical Helminthology</td>
<td>3</td>
</tr>
<tr>
<td>TRMD 6070</td>
<td>Medical Protozoology</td>
<td>3</td>
</tr>
<tr>
<td>TRMD 6330</td>
<td>Microbial Disease of Trp</td>
<td>3</td>
</tr>
<tr>
<td>TRMD 6350</td>
<td>Disease Prevention &amp; Control in Developing Countries</td>
<td>2</td>
</tr>
<tr>
<td>TRMD 7000</td>
<td>Tropical Medicine Semin ( OR)</td>
<td>1</td>
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<td>TRMD 7020</td>
<td>Infectious Disease Seminar</td>
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<tr>
<td>TRMD 6420</td>
<td>Tropical Virology (OR)</td>
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<tr>
<td>TRMD 6340</td>
<td>Diagnostic Meth/Microbio (^1)</td>
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<tr>
<td>TRMD 6060</td>
<td>Medical Entomology (OR)</td>
<td>3</td>
</tr>
<tr>
<td>TRMD 7960</td>
<td>Clinical Trop Medicine (^1)</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

\(^1\) Option for students in the joint MD/MPHTM only

**Electives**

Students select from courses offered within the department, school, or university in consultation with an academic advisor that complement their career goals and objectives. Physicians and other eligible healthcare professionals must take TRMD 7960 (Clinical Tropical Medicine) and TRMD-6340 (Diagnostic Lab Methods in Microbiology) as elective courses to earn the Diploma Certificate.

**Recommended Coursework for Clinicians, Medical Students and Healthcare Professionals**

Physicians and other eligible health care professionals interested in deepening their knowledge of diagnoses and treatment of tropical diseases take two courses focusing on the clinical aspects of tropical diseases: TRMD 6340 - Diagnostic Lab Methods in Microbiology and TRMD 7960 Clinical Tropical Medicine. Students who successfully complete these courses are eligible to take the Certificate of Knowledge in Clinical Tropical Medicine and Travelers’ Health (CTropMed®) Examination administered by ASTMH. Students with a clinical focus must take Tropical Medicine Seminar (TRMD-7000) at least once.
Applied Practice Experience (SPHL 9980)

The Applied Practice Experience (APE) is a planned, supervised practice experience in the field, designed to integrate and apply core and program knowledge while building skills in a practice setting. It culminates with a written practicum report and 3-way evaluation by the student, the advisor, and the preceptor of the practicum site. The practicum is usually completed after the first academic year.

Students can satisfy the practicum requirement by participating in a wide range of activities related to health care provision or implementation of disease control strategies. Students may find placement with a health agency, a clinical laboratory, or an individual health professional working on a project related to public health in the United States or abroad. Ideally, the practicum experience should be relevant to diseases prevalent in tropical or developing countries.

Students in the joint MD/MPHTM program will be assigned a practicum according to the regulations of the joint MD/MPH degree program.

Integrated Learning Experience (SPHL 7950)

The required culminating experience (ILE) is the means by which students synthesize and integrate knowledge acquired through successful completion of course work. Student pursuing the MPHTM degree in public health conduct a public health analysis (PHA) to fulfill the culminating experience requirement. The PHA is a planned project that addresses a public health issue. Through it, students demonstrate learned skills, synthesis of knowledge and analysis of real-world problems in public health. 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

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<tr>
<th>Course ID</th>
<th>Title</th>
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<td>Year 1, Fall Semester</td>
<td></td>
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</tr>
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<td>SPHL 6020</td>
<td>Foundations in Public Health</td>
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<td>SPHL 6060</td>
<td>Epidemiology for Public Health</td>
<td>3</td>
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<tr>
<td>Year 1, Spring Semester</td>
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<tr>
<td>TRMD 6060</td>
<td>Medical Entomology</td>
<td>3</td>
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<td>Design Strategies in PH Prgrms</td>
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<tr>
<td>Electives</td>
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<td>3-6</td>
</tr>
</tbody>
</table>

Total Degree Credits: 45

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 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)
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Semester subtotal: 13

Year 1, Spring Semester
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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
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- 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)
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**Semester subtotal : 12-14**

### Year 2, Spring Semester
- Electives 1-3
- Public Health Analysis

**Total Degree Credits: 42**