# HARVARD MEDICAL SCHOOL

## MD-PhD Health Sciences and Technology Curriculum Map

### Year I
- **Summer Course/Research Rotation**
  - ITP
  - August: Introduction to the Profession (ITP)
- **Fall I**
  - Anatomy, Pathology, Biochemistry (cont.), Immunology, Genetics, Molecular Diagnostics/Bioinformatics
- **Essentials**
  - January
- **Spring I**
  - PCE

### Year II
- **Research**
- **Fall II**
  - Microbiology, Human Reproductive Biology, Gastroenterology, Neuroscience
  - Apply to graduate school
- **Essentials**
  - January
- **Winter/Spring II**
  - Epidemiology, Pharmacology, Psychopathology, Intro to Clinical Medicine
- **PCE**

### Year III
- **USMLE Study/Step 1**
  - Graduate School Coursework/Research Rotations/Thesis Research
- **Continuing Clinical Education Opportunities**
- **Thesis Research**

### Year IV
- **Thesis Research**
- **Continuing Clinical Education Opportunities**

### Year V
- **Thesis Research**
- **Continuing Clinical Education Opportunities**

### Year VI
- **Thesis Research/Submit Paper(s)/Complete Thesis Requirements**
- **Continuing Clinical Education Opportunities**
- **Reintroduction to Clinical Medicine**

### Year VII
- **Principal Clinical Experience (PCE): Core Clerkships**
  - Medicine, Neurology, OB/GYN, Pediatrics, Primary Care, Psychiatry, Radiology, Surgery
- **Advanced Clinical & Science Experiences**
  - Clinical electives, sub-internships, other electives including research

### Year VIII
- **Advanced Clinical and Science Experiences**
  - Clinical Capstone (1 required month)

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**Notes:**
- **Introduction to the Profession (ITP)**
- **August:** Biostatistics, Matlab for Medicine, Intro to Biochemistry
- **January:** Essentials of the Profession, Principles of Biomedical Imaging
- **Spring I:** Introduction to Care of Patients, Hematology, Endocrinology, Cardiovascular Pathophysiology, Respiratory Pathophysiology, Renal Pathophysiology, Musculoskeletal Pathophysiology
- **MD Re-entry:** Three possible points to re-enter PCE
- **Recess:** *Note: Due to varying schedules, students in Advanced Clinical & Science Experiences have different break periods.
- **Comprehensive Exam**
  - **Step 1:** Study July and take Pre-PhD in August
  - **Step 2 CK:** Take by 12/31 Year VIII
- + While research opportunities are available in the last year and half of medical school, these cannot overlap with clinical coursework which require 100% effort.

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Last updated 10/13/21