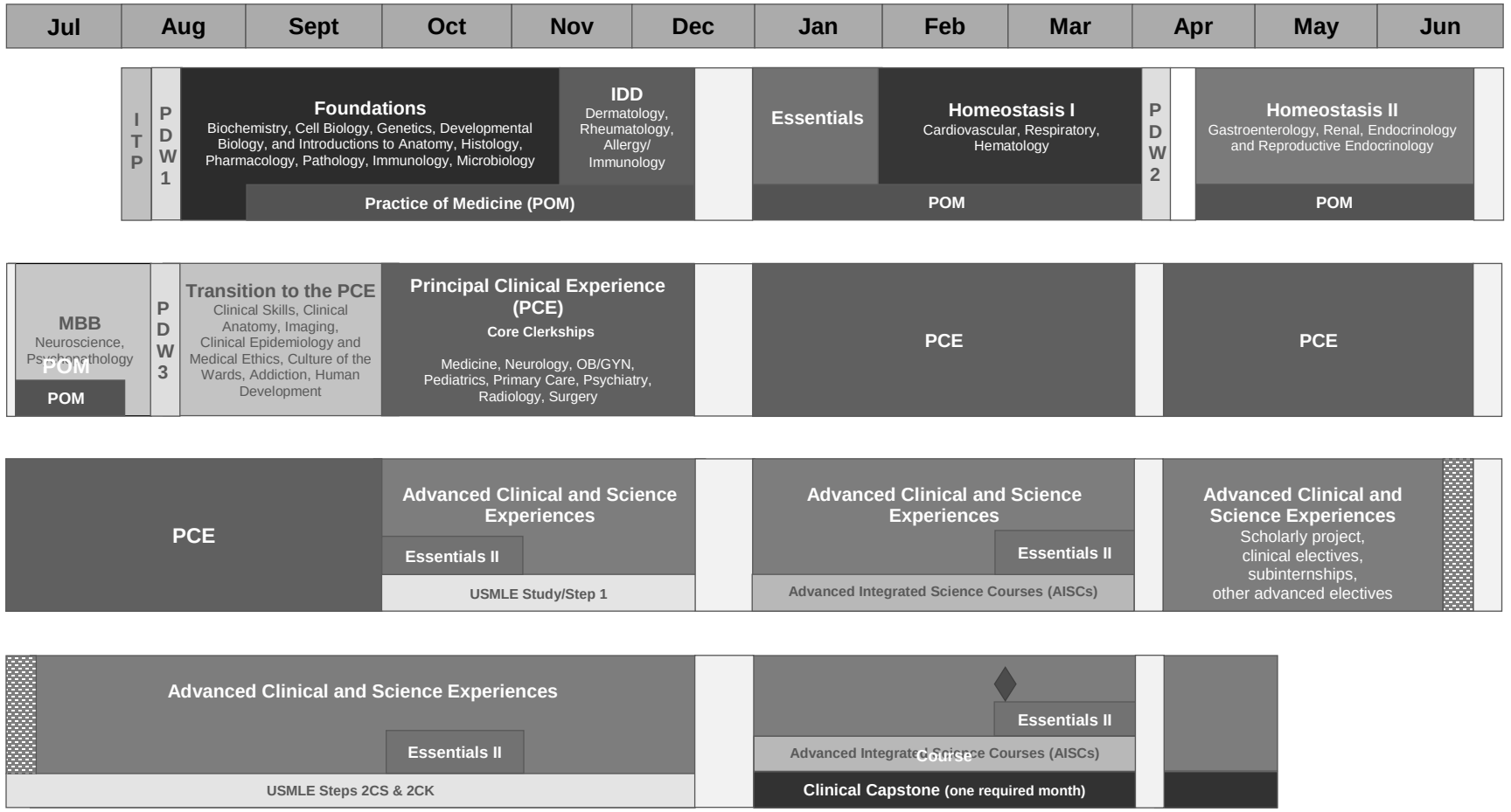
Supplemental Digital Content

Supplemental Digital Appendix 1
Pathways Curriculum Map

HARVARD MEDICAL SCHOOL



Introduction to the Profession (ITP)

POM: Foundational communication, physical exam, clinical reasoning and presentation skills; includes Foundational Continuity Clinic (FCC)

Immunity in Defense and Disease (IDD)

Professional Development Weeks (PDW): Three one-week periods of assessment, feedback, self-reflection and advising to consolidate learning and generate individualized learning plans

Essentials of the Profession: Health Policy, Medical Ethics & Professionalism, Social Medicine, Clinical Epidemiology/Population Health

Essentials II: One-month required course

Mind, Brain and Behavior

Scholarly Report due: The Pathways scholarly project requirement is due March 1st

Recess

Comprehensive OSCE

USMLE Step 1, Steps 2CS & 2CK

Step 1: Study Oct/Nov Year III; take by 12/31 Year III

Steps 2CS & 2CK: Take CS by 11/1 and CK by 12/31 Year IV

Supplemental Digital Appendix 2
Program Objectives and Assessment Methods

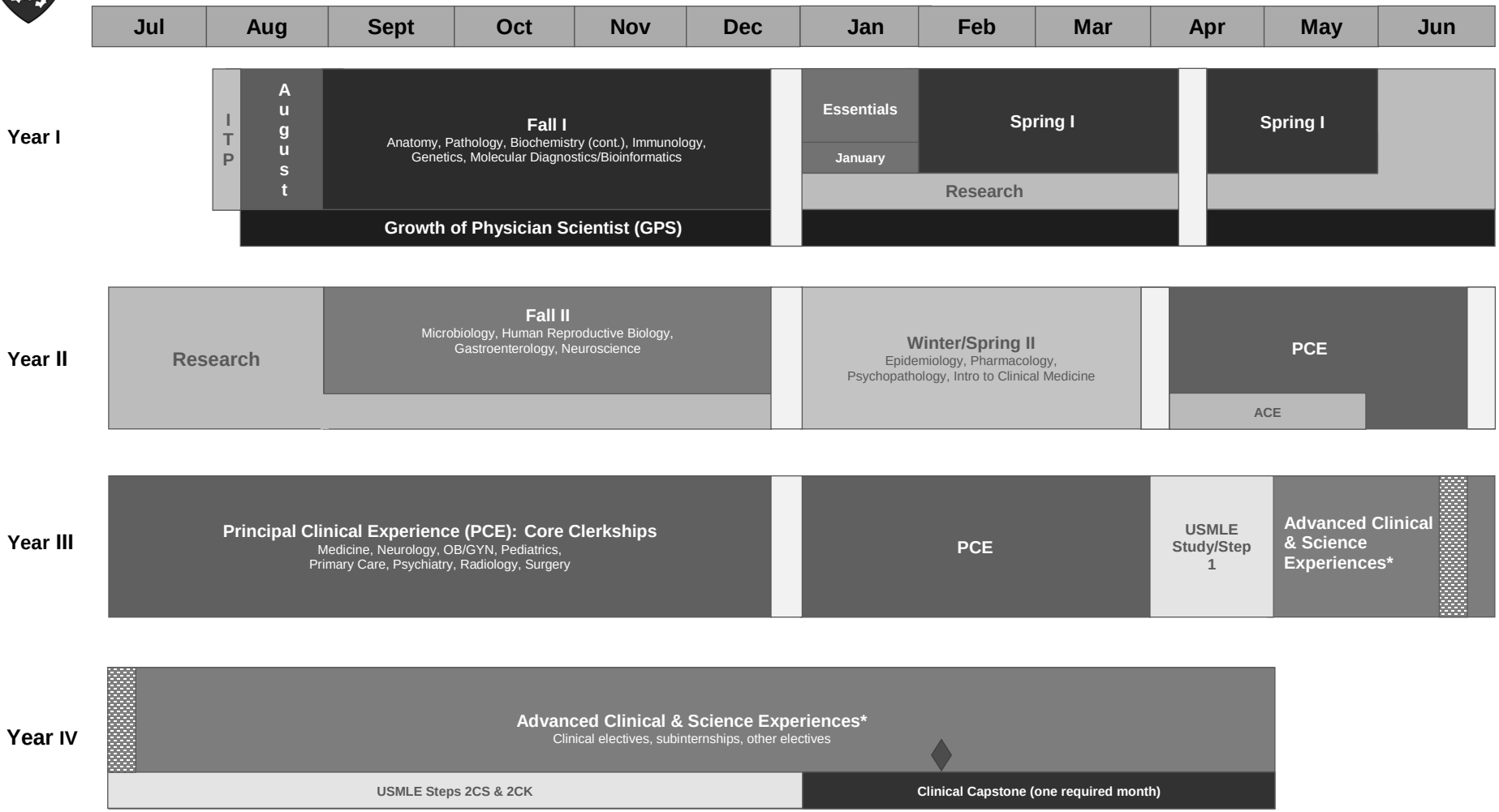
Medical Education Program Objectives	Assessment Methods
Medical Knowledge All students are expected to achieve an understanding of established and evolving biomedical, clinical, social, behavioral, and population sciences, and demonstrate the ability to identify and assess new information relevant to a question and to apply this knowledge to clinical problem-solving and scientific inquiry. • Demonstrate an understanding of established and evolving biomedical, clinical, social, behavioral, and population sciences. • Apply their understanding of biomedical, clinical, social, behavioral, and population sciences to problems in clinical medicine. • Integrate biomedical, clinical, social, behavioral, and population sciences into the care of individuals and populations. • Identify and critically appraise new information that is relevant to a biomedical or clinical question.	Preclerkship homework and/or problem sets Preclerkship readiness assessments Internal course-specific quizzes/exams In-class/small group participation Clerkship oral exams EPA ratings Formative and summative narratives Research or thesis project/proposal Evaluation of clinical skills Labs/simulation OSCE (formative) OSCE (summative) Clerkship self-assessment exercises NBME subject exams USMLE Step 1 USMLE Step 2 CK Clerkship CEX AAMC Graduation Questionnaire Course/clerkship grades
Critical thinking and inquiry All students are expected to be able to evaluate, analyze, and apply knowledge, to identify gaps in their own learning, to focus on personal growth and lifelong learning, and to engage in scholarly inquiry aimed at advancing knowledge in the ultimate service of relieving human suffering. • Evaluate, analyze and apply new knowledge with advances and discoveries in biomedical science. • Identify gaps in their knowledge and skills so as to continually advance their professional development. • Apply the skills necessary for continuous personal growth and lifelong learning. • Engage in scholarly inquiry with a goal of advancing knowledge in the service of the mission of medicine. • Design, perform and analyze experiments to address emerging challenges affecting human health in preparation for a career as a physician-investigator. (HST Only)	Preclerkship homework and/or problem sets Preclerkship readiness assessments Internal course-specific quizzes/exams In-class/small group participation Clerkship oral exams EPA ratings Formative and summative narratives Research or thesis project/proposal Evaluation of clinical skills Labs/simulation OSCE (formative) OSCE (summative) Clerkship self-assessment exercises Clerkship CEX AAMC Graduation Questionnaire Course/clerkship grades

Patient care All students are expected to demonstrate the ability to provide evidence-based, compassionate care for patients that is appropriate for the prevention, diagnosis, and treatment of illness and the promotion of health, and to work effectively as part of a team with other health professionals. • Provide compassionate, patient-centered care in order to promote and improve health. • Obtain and collect information from patients and other sources relevant to the diagnosis, treatment and prevention of common and urgent conditions, including the performance of diagnostic procedures. • Interpret, analyze, assess, and prioritize relevant data to establish a diagnosis and management plan, including the initiation of appropriate interventions. • Work effectively as part of an interprofessional team to ensure safe and appropriate patient care.	EPA ratings Formative and summative narratives Evaluation of clinical skills Labs/Simulation OSCE (formative) OSCE (summative) Clerkship self-assessment exercises NBME subject exams USMLE Step 2 CS Clerkship CEX Clerkship oral exams Course/clerkship grades Departmental Summative Assessments AAMC Graduation Questionnaire Program director survey
Professionalism All students are expected to demonstrate a commitment to the highest standards of professional responsibility, integrity and accountability; adherence to ethical principles; self-awareness; and moral reasoning in relation to patients, colleagues, and society. • Exemplify the professional values of medicine, including compassion, integrity, social responsibility and respect for all persons. • Demonstrate the responsible behaviors expected of physicians, including accountability, patient confidentiality, punctuality, and the prioritizing of the needs of others. • Demonstrate and embody ethical standards, principles and moral reasoning in all professional interactions with patients, families, colleagues, and society at large • Apply the skills and incorporate the attitudes needed to maintain and promote personal wellness.	Preclerkship homework and/or problem sets Preclerkship readiness assessments In-class/small group participation Clerkship oral exams Clerkship CEX EPA ratings Formative and summative narratives Evaluation of clinical skills Labs/simulation OSCE (formative) OSCE (summative) Monitoring of absence reasons Couse/clerkship grades Departmental Summative Assessments USMLE Step 2 CS AAMC Graduation Questionnaire Program director survey
Interpersonal and Communications Skills All students are expected to demonstrate effective verbal, nonverbal, and written communication skills, and to build collaborative and trusting relationships with patients, families, and colleagues. • Form collaborative and trusting therapeutic relationships with patients and their families. • Effectively communicate with patients and families to promote informed consent and shared decision making, with appropriate disclosure of sensitive medical information. • Effectively communicate medical information in verbal and written form with fellow health professional colleagues to advance patient care. • Demonstrate the interpersonal skills required to be an effective contributor or leader on a health care or other professional team.	In-class/small group participation EPA ratings Formative and summative narratives Evaluation of clinical skills Labs/simulation OSCE (formative) OSCE (summative) USMLE Step 2 CS Clerkship CEX Clerkship oral exams Course/clerkship grades Research or thesis project/proposal Departmental Summative Assessments AAMC Graduation Questionnaire Program director survey

Organizational and Social Determinants of Health Care All students are expected to demonstrate an awareness of and responsiveness to the larger systems in which illness is experienced and in which care is delivered. In recognizing the social determinants of health and health care, they will demonstrate sensitivity to diverse populations, whether based on ethnicity, culture, gender, economic status, or sexual orientation. • Demonstrate the skills needed to advocate for patients to improve health outcomes at the individual and society level. • Demonstrate the ability to operate effectively within health systems and also to improve those systems with attention to quality, safety, and value in the delivery of patient care. • Demonstrate an understanding of and sensitivity to the social determinants of health and opportunities to address health disparities. • Provide care with cultural humility and appreciation of the needs of diverse populations.	In-class/small group participation Preclerkship homework and/or problem sets Preclerkship readiness assessments Internal course-specific quizzes/exams Labs/simulation Evaluation of clinical skills EPA ratings Formative and summative narratives OSCE (formative) OSCE (summative) Clerkship CEX Clerkship oral exams Course/clerkship grades Research or thesis project/proposal AAMC Graduation Questionnaire Research or thesis project/proposal

Supplemental Digital Appendix 3
HST Curriculum Map

HARVARD MEDICAL SCHOOL



Introduction to the Profession (ITP)

August: Biostatistics, Matlab for Medicine, Intro to Biochemistry

January: Essentials of the Profession, Musculoskeletal Pathophysiology, Principles of Biomedical Imaging

Spring I: Introduction to Care of Patients, Hematology, Endocrinology, Cardiovascular Pathophysiology, Respiratory Pathophysiology, Renal Pathophysiology

Anchoring Clinical Experience (ACE)
Note: For five-year students only, two-month full-time experience at Mt. Auburn Hospital, followed by Step 1

HST MD Thesis due: The HST Thesis requirement is due the first Monday in February

Recess
* Note: Due to varying schedules, students in Advanced Clinical & Science Experiences have different break periods.

Comprehensive OSCE

USMLE Step 1, Steps 2CS & 2CK

Step 1: Study Year III; take after PCE
Steps 2CS & 2CK: Take CS by 11/1 and CK by 12/31 Year IV