Immersion Phase
Class of 2020

Feb 21, 2018
Meeting Goals

• Describe the Immersion Phase overarching goals and course types
• View the graduation requirements
• Discuss LC, Research and FHD requirements
• Discuss the upcoming timeline
Curriculum 2.0: Immersion Phase

A highly individualized post-clerkship phase that uses clinical context to build upon prior learning

Advanced Clinical Experiences
- rigorous clinical rotations

Integrated Science Courses
- mixed didactic and clinical experiences

Acting Internships
- supervised intern-level responsibilities

Research
- mentored research project

**IMMERSION PHASE GOALS**

- Deepen **FOUNDATIONAL SCIENCE KNOWLEDGE** during meaningful clinical engagement
- Solidify **CLINICAL SKILLS**
- Enhance **PRACTICE-BASED LEARNING SKILLS**
- Ensure readiness for **INTERN ROLE/RESIDENCY**
- Expand knowledge and skills regarding **SCHOLARSHIP**
- Further grow knowledge and skills regarding **LEADERSHIP**
- Encourage **PROFESSIONAL DEVELOPMENT**
Individualization

Advanced Clinical Experiences
rigorous clinical rotations

Integrated Science Courses
mixed didactic and clinical experiences

Acting Internships
supervised intern-level responsibilities

Research
mentored research project

Learning Communities
longitudinal development as professionals

Foundations of Health Care Delivery
longitudinal exploration of systems of care

FREQUENT ASSESSMENT

ITERATIVE PERSONAL LEARNING GOALS

RES IMM: Ethics
RES IMM: Ethics
RES IMM: Ethics
ACE: Primary Care
ACE: Adoles Med Ethics in Healthcare
ISC: Global Health
AI: Ped Med
ISC: Critical Illness
ACE: EM
AWAY: Med
ACE: Med Ethics
ISC: Diabetes
ACE: Rheum
ISC: Sex Med & Fertility
ACE: Diag Radiology
ACE: ShadeTree

ISC: Inj Repair & Rehab
RES IMM: Clin & Trans
RES IMM: Clin & Trans
ISC: Addiction
ACE: Adv Clin Anesth
ACE: EM
ISC: Critical Illness
ISC: Critical Illness
ACE: Special Studies
AWAY: Med
AWAY: EM
AWAY: EM
ACE: Prim Care
ISC: Med Imag & Anatomy
ACE: Pall Care
AI: Med VU
ACE: Ophthalmology

ACE: Peds Cardio
ACE: Otolaryngology
ACE: Plastic Surg
RES IMM: Clin & Trans
RES IMM: Clin & Trans
RES IMM: Clin & Trans
ACE: Neurosurg
RES IMM: Clin & Trans
RES IMM: Clin & Trans
ISC: Critical ILLNESS
AWAY: Otolaryngology
ISC: Med Imag & Anatomy
AWAY: Otolaryngology
ISC: Immunity & Infections
ISC: Addiction
AI: Surg VAH
AI: Surg VAH
ACE: ShadeTree
ACE: ShadeTree
Courses Designed to Meet Phase Goals

- Foundational science knowledge during meaningful clinical engagement
- Clinical skills
- Practice-based learning skills
- Readiness for intern role/residency
- Knowledge and skills regarding scholarship
- Knowledge and skills regarding leadership
- Professional development
- Advanced Electives
Courses Designed to Meet Phase Goals

- Foundational Science: Knowledge during meaningful clinical engagement
- Clinical skills
- Practice-based learning skills
- Readiness for intern role/residency
- Knowledge and skills regarding scholarship
- Knowledge and skills regarding leadership
- Advanced Electives
- Professional Development
### Vanderbilt University School of Medicine Curriculum 2.0 Schematic

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<th>Month</th>
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### Year 2
- **End of FWA Phase**: Orientation/Diagnostics Intro
- **Diagnostics and Therapeutics**
  - Medicine
  - Surgery
  - Psychiatry
  - Neurology
  - Pediatrics / Electives
  - Obstetrics/Gyn / Electives
- **FHD**: LC/R
- **Break**: Orientation/Diagnostics Intro
Vanderbilt University School of Medicine Curriculum 2.0 Schematic

Year 3
- Fixed Step 1 Period
- Integrated Science Course
- Research Immersion
- Break
- Advanced Clinical Experience

Year 4
- Competency-Driven Rotation
- Acting Internship
- Away Rotation
- Advanced Clinical Experience
- Fixed Interview
- Fixed Month
- Break
- Flex Month

Immersion Phase (Years 3 and 4): 15 blocks required over 20 months, including research immersion of at least 3 months.
## C 2.0 Immersion Phase Requirements

<table>
<thead>
<tr>
<th>Minimum C2.0 Requirements (in Months)</th>
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<tbody>
<tr>
<td><strong>On-Campus</strong></td>
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<td>Integrated Science Courses (ISCs)</td>
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<td>Acting Internship (AI)</td>
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<td>Advanced Clinical Electives (ACEs)</td>
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<td><strong>On-Campus or Away (away with approval)</strong></td>
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<td>Research Immersion</td>
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<tr>
<td>Competency and Interest-Driven Rotations*</td>
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<tr>
<td>(can be ISCs, ACEs, Als or Electives)</td>
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<td><strong>15 required months</strong></td>
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<td>Must include:</td>
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<td>1 Primary Care course (either ACE or ISC)</td>
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<td>1 Acute Care course (EM or ICU-based course)</td>
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<td><strong>4+2+1 (7 total)</strong></td>
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<td>Flex months (4 + 2 month for Step 1 + 1 month for interviews)</td>
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</table>

*ISC, ACE and AI grading = H/HP/P/F

Students can register for up to 19 months

*At least one must be clinical rotation.
# C 2.0 Immersion Phase Requirements

## Impact of Increasing Research Months

<table>
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<th>To extend research beyond 3 months:</th>
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<tr>
<td>Student must be in good academic standing and complete an approval process</td>
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<tr>
<td><strong>4 months</strong>: Additional research month fulfills one competency/interest-driven rotation</td>
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<td><strong>5 months</strong>: Additional research month fulfills one competency/interest-driven rotation</td>
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<td><strong>6 months</strong>: Additional research months fulfill two competency/interest-driven rotations and requires the use of one flex month</td>
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</table>
Integrated Science Courses

1) Clinical Cancer Medicine
2) Cardiovascular Diseases
3) Clinically Applied Immunology
4) Critical Illness
5) Community Healthcare
6) Diabetes Mellitus
7) Emergency Care: Cell to System Science
8) Global Health: Delivering Primary Care in Resource-Limited Settings
9) Getting Hooked: Immersion in Addiction
10) Healthy Aging and Quality Dying
11) Health Systems Science in a Working-Learning Health System
12) Infectious Diseases
13) Injury, Repair, and Rehabilitation
14) Medical Imaging and Anatomy
15) The Skinny on Obesity
16) Sexual Medicine and Reproductive Health
Learning Communities
Learning Communities

• Meeting throughout the Immersion Phase
• 8 LC units over 22-month phase

• Continued focus on
  – Development as professionals

• Increased focus on
  – Development as leaders
Learning Communities

1) Applied Ethics
2) Lifelong Learning
3) Situational Leadership and Diagnosing
4) Problem Solving
5) Priority Setting
6) Change Management
7) Dealing with Ambiguity
8) Leading and Managing Up
Learning Communities

- 8 units
  - Mondays from 1-3 and 3-5 pm
  - 6 – 8 hours effort per unit
    (2 of those hours in face to face session)
- Months offered:
  - Sept & Jan: Units 1 & 2
  - Oct & Feb: Units 3 & 4
  - Nov & March: Units 5 & 6
  - Dec & April: Units 7 & 8
- 3rd Monday: face-to-face meeting
- Pass/Fail
LC Questions

• Please email

Bill.Cutrer@Vanderbilt.Edu

AND

Pam.Lynn@Vanderbilt.Edu
Inquiry Program
Inquiry Program:
Courses During the Immersion Phase
Inquiry Program: PLAN

- September or March, Tuesdays, 1pm – 5pm
- Developing a Research Project Plan
  - Work with SGF during class
  - Work with mentors outside of class
    - Set up your meetings before you leave for STEP 1
  - Register for RI months
- Specific competencies:
  - Understand the research process
  - Identify and formulate a structured research question
  - Identify major research study designs
  - Understand basic principles of measurement and data analyses
  - Understand basic principles for the interpretation of research findings
  - Understand basic principles of effective scientific communication
Inquiry Program: Research Immersion

• Implement a Research Project Plan
  – Working with a mentor (and possibly a research team)
  – Working with Area experts (Research Directors)
• Full time, immersive experience
• 3 – 6 blocks
• 2 OMSR meetings per block
• 1(+) Area Meeting per block
• Engage in activities to support your understanding of research and the field you’ve chosen (e.g., Area meetings, co-curriculars)
Inquiry Program:
Research Immersion

Important Dates:
March 1\textsuperscript{st} – Student/Mentor Reports
May 1\textsuperscript{st} – Mentor Agreements
July 1\textsuperscript{st} – Research Immersion Planning Form

FYI:
The Office will register you in PLAN
You will register for your RI blocks
Inquiry Program:

QUESTIONS?

vms.research@vanderbilt.edu

312 Light Hall
Foundations of Health Care Delivery (FHD) Immersion Phase—Years III & IV
Foundations of Health Care Delivery: Course Goals

FHD will integrate students into clinical teams to care for individual patients while learning about the larger care delivery system. By immersing students in a longitudinal experience, the course will:

- Prepare professionals with systems level skills necessary to provide care that is safe, effective, patient-centered, timely, efficient, and equitable
- Integrate health systems science with clinical care
- Cultivate respectful professionals
Foundations of Health Care Delivery

Year 1: Foundations of Medical Knowledge
- The Health Care Team
- The Patient Within Care
- Medication Reconciliation
- Patient Education & Health Coaching
- Introduction to Patient Safety

Year 2: Foundations of Clinical Care
- Social Determinants of Health
- Advocacy
- Transitions of Care
- High Value Care
- Settings of Care

Years 3 & 4: Immersions
- Quality Improvement
- Patient Safety
- Advanced Communication
- Interprofessional Education*
- Population Health and Prevention
- Healthcare Economics and Policy

*VPIH students fulfilled requirement during years 1 & 2
FHD Immersion Courses – 10 units

1. Advanced Communication (AC):
   AC1: Overcoming barriers & personalizing communication
   AC2: Skills for disclosure & professionalism

2. Interprofessional Education (IPE)*:
   IPE1: The professions
   IPE2: Team-based care

3. Quality Improvement (QI 1-3) OR QI Advanced Track

4. Patient Safety (PS)

5. Health Care Economics & Policy

6. Public Health & Prevention (PHP)
Advanced Communications 1 and Public Health and Prevention (Intro to Immersion Phase week)

Advanced Communications 2 and Interprofessional Education 1 (3rd year spring FHD Immersion)

5 of the FHD units are completed during week-long FHD Immersions

Healthcare Economics and Policy (4th year winter FHD Immersion)

Immersion Phase (Years 3 and 4): 15 blocks required over 20 months, including research immersion of at least 3 months
FHD Immersion Course Information

5 units are completed longitudinally, mostly during 3rd year

– Paired with a primary rotation
– Tuesdays from 1-5 pm
– 20 hours effort per unit
– Primarily self-directed, asynchronous learning
– One or two face-to-face meetings (varies by course)
Advanced Communications 1 and Public Health and Prevention (Intro to Immersion Phase week)

Advanced Communications 2 and Interprofessional Education 1 (3rd year spring FHD Immersion)

Healthcare Economics and Policy (4th year winter FHD Immersion)

QI 1-3/PS longitudinally during 3rd year IPE2 fulfilled either via one month longitudinal or other approved experience*

*Such as Nicaragua, Shade Tree, VPIL, or other approved interprofessional experience
FHD Immersion Course Specifics

• Pass/Fail Grading (except QI)
• All FHD Immersion Weeks are MANDATORY attendance.
  - August 27-31, 2018
  - May 6-10, 2019
  - February 2020: Dates TBD
• Can fulfill IPE2 via one month longitudinal OR other approved experience
  - Nicaragua, Shade Tree, VPIL, etc
QI Specific Course Information

- Grading: Honors/Pass/Fail
- Multiple pathways to fulfill QI requirements:
  - QI 1-3 via three 1-month longitudinal units – completion deadline for QI3 is Block 11 (Nov) prior to graduation.
  - QI Advanced Track (self-paced project) – completion deadline is September 30th prior to graduation.

Cecelia Theobald, M.D., M.P.H.
Department of Internal Medicine
FHD Quality Improvement and Patient Safety
**FHD Immersion Course Information**

https://medschool.vanderbilt.edu/fhd/fhd-immersion-phase-courses

• Lots of additional information:
  – Criteria for QI-Advanced Track projects
  – Immersion course prerequisites and pairing suggestions
  – Dual degree equivalencies for MBA/MPH students
  – Links to all syllabi
  – Wiki of QI projects
  – Course policy details (add/drop, group work, etc.)
FHD Questions?

Course Directors:

Jesse M. Ehrenfeld, M.D., M.P.H.
Departments of Anesthesiology, Surgery, Biomedical Informatics, & Health Policy

Jennifer K. Green, M.D., M.P.H.
Departments of Internal Medicine & Pediatrics

Heather A. Ridinger, M.D.
Department of Internal Medicine
Administrative Staff

Program Manager
Heather Laney

Program Coordinator
Ernest Guerra

Program Coordinator
Eric Huffman

Light Hall 333

https://medschool.vanderbilt.edu/fhd/

fhd@vanderbilt.edu
Careers in Medicine

https://medschool.vanderbilt.edu/cim/pathway-match
VMS2 Registration Timeline

- **February 21**: Rising VMS3 IP Requirements Meeting
- **March 22**: Careers in Medicine ISC Fair March 22 at 5 pm LH 202
- **March 29**: How-to Register Meeting March 29 at 5 pm LH 202
- **April 2**: Registration opens for rising VMS4 MSTPs April 2 at 6 pm
- **April 9**: Registration opens for rising VMS4 April 9 at 6 pm
- **April 16**: Registration opens for rising VMS3 April 16 at 6 pm
- **April 26**: Registration reopens for ALL April 26 at midnight
- **August 27**: Immersion Phase Orientation for VMS3

**Highlights**
- Immersion Phase 2018-19 begins
Questions?

Please direct questions related to the overall phase to:

Immersion.Phase@Vanderbilt.Edu

Research:

vms.research@vanderbilt.edu

FHD:

fhd@vanderbilt.edu

LC:

Pam.Lynn@vanderbilt.edu