

Introducing the TRAILS Curriculum at Quillen

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October 20, 2021



EAST TENNESSEE STATE
UNIVERSITY

New Quillen Curriculum

TRAILS

Team-based Rural Appplied Integrated Learning System





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Recommendations for New Curriculum

MSEC Approved October 2020

New Curriculum Recommendations

Approved October 2020

- New Curriculum Structure:
 - Increased horizontal and vertical integration
 - Foundations of Medicine followed by organ systems-based courses
 - Increased early clinical experience
 - Increased basic science in clinical phase
- Increased active learning
- Philosophy of *assessment FOR learning*
- Implementation of Learning Communities
- Framework must be compatible with 3-year track and rural primary care track



Step 1 News:



Home Bulletin FAQs Applications & Fees Security Step Examinations P

ANNOUNCEMENTS

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Step 1 pass/fail score reporting implementation date

Posted: April 20, 2021

United States Medical Licensing Examination® (USMLE®) Step 1 score reporting will transition to pass/fail outcomes only for administrations **on or after January 26, 2022.**

[Learn more »](#)



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TRAILS Curriculum

Courses & Schematic

Overview

- 3 semesters of systems-based courses
- Summer in June and July between M1 and M2 years
- 6 weeks of dedicated Step 1 study time
- 1 year of clerkship starting in March
- A little over 1 year of Senior elective and selectives



TRAILS Pre-Clerkship Courses

- Foundations of Medical Knowledge
- Immunology/Hematology
- Cardiovascular/Pulmonary/Renal
- GI/Nutrition
- Endocrine/Reproduction
- Brain, Body, & Behavior (Neuro/MSK/Behav)
- Doctoring – one course per semester



ETSU Quillen COM TRAILS Curriculum Schematic

		July			August				September					October					November					December					January					February					March					April					May					June				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52					
Year 1	Pre-clerkship Phase																																																									
	Immersion	Foundations 13 weeks													Immuno/Heme 6 weeks						Assess	Winter Break	Cardiovascular/Pulmonary/ Renal 14 weeks														Spring Break	Cardiovascular /Pulmonary/ Renal 14 weeks					GI/Nutrition 5 weeks					Assess	Break 9 weeks									
		Doctoring																		Doctoring														Doctoring																								
Year 2	Pre-clerkship Phase																																Clerkship Phase																									
	Break	Endo/Repro 6 weeks						Brain, Body, Behavior 13 weeks													Assess	Winter Break	Step 1 Study 6 weeks						Trans to CC + Basic Science								Clinical Clerkships																					
		Doctoring																		Doctoring		Doctoring																																				
Year 3	Clerkship Phase																																Post-clerkship Phase																									
	Clinical Clerkship																		Clinical Clerkships														Step 2 Study 4 weeks		Selectives (8 weeks) Electives (22 weeks) Flex time (22! weeks)																							
		Doctoring																		Doctoring		Doctoring																																				
Year 4	Post-Clerkship Phase																																																									
	Selectives (8 weeks) Electives (22 weeks) Flex time (22 weeks)																		Winter Break		Selectives (8 weeks) Electives (22 weeks) Flex time (22 weeks)														Keystone Course		Break		Graduation																			

Notes: Step 2 study period suggested - not approved by MSEC yet

M1 starts 3rd week of July
Mission-based clinical immersion

Pre-clerkship ends
Dec of M2

Clerkships start in March

ETSU Quillen COM TRAILS Curriculum Schematic																																																				
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Instruction & Assessment Recommendations


Typical Weekly Schedule: Pre-clerkship

- **Consistent, predictable** schedule for students across the pre-clerkship curriculum
- 20-24 hours of scheduled contact time
 - Blocks of protected self-directed study time (half days)
 - Four half-days of basic science course content per week
 - Half-day of Doctoring clinical skills
 - Clinical Preceptorship starting Spring M1, every other week
- Learning Community time every 4-6 weeks in afternoon



Instruction Recommendations

- All learning activities should be based on active learning
 - Team-based learning (TBL)
 - 3-4 days per week
 - Case-based learning (CBL)
 - One day per week, case covered over 2 consecutive weeks
 - Interactive large group sessions
 - Other active learning modalities
- Doctoring
 - Continue to use active learning methods
 - Align/integrate with systems courses



What do we want our students to know by the time they enter clerkships?



Typical Week in the M1 Year

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-8:50	TBL	SDST	TBL	Human Structure: (Anatomy, Embryology, Histology) ¹ or Simulation or other course sessions	PBL or Doctoring: SPECTRM ²
9:00-9:50					
10:00-10:50	Interactive Large Group		Interactive Large Group		
11:00-11:50	Interactive Large Group		Interactive Large Group		
12:00-12:50					
1:00-1:50	SDST	Doctoring: Clinical Preceptor Every other week Day of week varies among students	Learning Community Activity (~every 4-6 weeks) or SDST	Doctoring: Clinical Skills	SDST
2:00-2:50					
3:00-3:50					
4:00-4:50					

¹ Human Structure every day during Foundations; every 2-3 weeks during systems courses

² SPECTRM: System, Professional, Ethical, and Community Topics Relevant to Medicine

Assessment Recommendations

- Emphasis on **formative assessment**
- **Continuous, progressive, low-stakes** assessments leading up to a final assessment with somewhat higher stakes
 - In-class formative assessments
 - IRAT/TRAT, Audience Response, Anatomy quizzes
 - End-of-week assessments
 - NBME-format MCQs, short answer/essay from CBL, Anatomy written questions
 - Includes portion of **cumulative material** and have **progressive increasing stakes**
 - Lab practical exams
 - Final exam
 - NBME Customized Exam, plus short answer/essay from CBL



Example: Continuous Assessment, Progressive System (CAPS)

Type of Assessments	Percentage Points by Week													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	
In-class assessments	1%	1%	1%	1%	2%	2%	2%	2%	2%	2%	2%	2%		20%
End-of-week assessments	2%	2%	3%	3%	3%	4%	4%	4%	5%	5%	5%	5%		45%
Lab practical				5%				5%					5%	15%
Final assessment													20%	20%



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Clerkships

Core Clerkships

- Family Medicine – 6 wks
- Internal Medicine – 8 wks
- Obstetrics/Gynecology – 6 wks
- Pediatrics – 6 wks
- Psychiatry – 6 wks
- Surgery – 8 wks
- ~~Community Medicine~~



New Clerkship

- Community Medicine



Underserved Medicine

- 4 week rotation
- Focus on underserved patients in several community locations using a Social Determinants and Health Equity framework



Underserved Medicine Mission

For the medical student to develop a foundational understanding of the Social Determinants of Health and healthcare disparities that exist in underserved populations and how healthcare and other service systems can either mitigate or exacerbate disadvantage.





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Learning Communities

What are learning communities?

Longitudinal groups of faculty and students

Goals

- Enhance medical school experience
- Improve student well-being
- Maximize academic support
- Improve mentorship

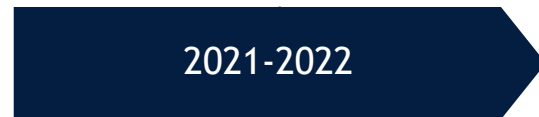
TRAILS Learning Communities

- Cloudland
- Hartsell Hollow
- Iron Mountain
- Laurel Falls



Learning Communities: When?

Development of Wellness Focused-Communities



Annual assessment of Communities for adaptation and change

Add Faculty Leadership to expand focus to mentorship and advising



Implementation

- AY 21-22: Wellness focused communities
 - Pinning at White Coat
 - Meet and greet week of July 20- goals and planning for year
 - Hike their trail in early August
 - Develop mission and planned service learning project for each community
 - Design badge for community and t-shirts
 - “Friendly” competitions (ping pong, basketball, etc)



Planned Expansion of Focus

- Career development
- Mentoring and advising
- More wellness
 - Financial planning
 - Social health



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What's next?

Next Steps

- Recommendations for Clerkships
- Planning Accelerated Track
 - Henson, Fox, Pierce, Stoltz

July-Nov
2021

- Plan pre-clerkship courses
- Learning Communities
- Information for applicants

March
2022

- M1 Fall semester details ready

July
2022

- Launch Year 1 of new curriculum

March
2023

- M2 details ready

July
2023

- Launch Year 2
- Launch Accel Track

December
2021

- Submit major curricular change to LCME

April 2022

- Submit Accelerated Track to LCME

October
2022

- M1 Spring semester details ready

May
2023

- Clerkship transition year



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Quillen TRAILS Curriculum

Where will the TRAIL lead you?

Curriculum Transformation Steering Committee (CTSC)

- Dr. Ken Olive (oversight)
- Dr. Ivy Click, chair
- Dr. Brian Cross
- Dr. Beth Fox
- Dr. Tom Kwasigroch
- Dr. Jason Moore
- Dr. Rob Schoborg
- Ms. Sarah Allen Ray (MS4)

