



CAMPBELL UNIVERSITY

Jerry M. Wallace
School of Osteopathic Medicine

Curriculum-at-a-Glance

2020-2021

The mission of the Campbell University School of Osteopathic Medicine (CUSOM) is to educate and prepare community-based osteopathic physicians in a Christian environment to care for the rural and underserved populations in North Carolina, the Southeastern United States and the nation.

CUSOM faculty, staff and students value: teamwork, leadership, professionalism, integrity, diversity, and the ethical treatment of all humanity.

We accomplish our mission through a carefully planned systems-based curriculum incorporating case-based lectures, small group clinical cases, simulation, and standardized patient encounters to facilitate osteopathic clinical integration. Vertical and horizontal integration facilitate linkage between course and clinical work across the four years of the curriculum.

Vertical integration refers to the interweaving of clinical skills and knowledge into the basic science years and in turn, reinforcing basic science concepts as they apply during the clinical years. Horizontal integration refers to identifying concepts or skills, particularly those that are clinically relevant, that cut across the basic sciences, and then using these as an integrated focus for presentations, clinical scenarios, and course materials.

CUSOM faculty members develop the curriculum through the Curriculum Committee with input from the Course Directors and faculty. Integration is ensured by Block Leaders and discipline experts overseeing the appropriateness of content.

MS-1 and MS-2 YEARS

The CUSOM curriculum is integrated to provide both a strong core of biomedical principles and a robust foundation in clinical sciences including osteopathic principles, clinical skills, and professionalism. Content is delivered in 9-week Blocks over four semesters. The week between Blocks is time for students to have vacation, participate in medical mission trips, or remediate a course when warranted.

Block One and Block Two cover fundamental basic sciences through a set of courses designed to provide optimal integration while providing clarity on discipline-specific concepts.

Blocks Three through Eight integrate basic and clinical sciences using an organ system approach, covering the clinical presentations, underlying pathophysiology, and management of common disease states.

Osteopathic principles are integrated throughout the first two years and also covered in depth during the longitudinal Osteopathic Manipulative Medicine course. Interviewing skills, physical diagnosis, and clinical reasoning are taught in a longitudinal Clinical Skills series. Epidemiology, evidence-based medicine, and research skills are included in Foundations of Medical Practice, while the Professional Core Competencies course addresses medical ethics, medical jurisprudence, humanities, health systems, global health, and professionalism.

MS-1 and MS-2 Systems-Based Curriculum Overview:

FIRST YEAR			
SEMESTER 1 (FALL)		SEMESTER 2 (SPRING)	
Block 1 Integrated Basic Science & Clinical Courses	Block 2 Integrated Basic Science & Clinical Courses	Block 3 Musculoskeletal System	Block 4 Neuroscience & Human Behavior (Psychiatry)
OMED 511 Cell Biology/Biochemistry OMED 524 Microbiology/ Immunology OMED 530/530L Anatomy OMED 500/500L OMM OMED 501 Clinical Skills OMED 502 FMP OMED 503 PCC	OMED 522 Pharmacology OMED 540 Physiology OMED 551 Pathology OMED 560/560L Anatomy OMED 504/504L OMM OMED 505 Clinical Skills OMED 506 FMP OMED 507 PCC	OMED 570 Musculoskeletal OMED 590/590L Anatomy OMED 508/508L OMM OMED 509 Clinical Skills OMED 513 FMP OMED 514 PCC	OMED 581 Neuroscience OMED 583 Psychiatry OMED 594/594L Anatomy OMED 515/515L OMM OMED 516 Clinical Skills OMED 517 FMP OMED 518 PCC

OMM = Osteopathic Manipulative Medicine
FMP = Foundations of Medical Practice
PCC = Professional Core Competencies

SECOND YEAR			
SEMESTER 3 (FALL)		SEMESTER 4 (SPRING)	
Block 5 Cardiovascular & Respiratory Systems	Block 6 Hematology, Dermatology & Renal System	Block 7 Endocrine & Gastrointestinal Systems	Block 8 Reproductive System & Clinical Applications of Biomedical Sciences II
OMED 610 Cardiovascular System OMED 611 CABS I OMED 620 Respiratory System OMED 600/600L OMM OMED 601 Clinical Skills OMED 602 FMP OMED 603 PCC	OMED 631 Hematology OMED 640 Renal System OMED 650 Dermatology OMED 604/604L OMM OMED 605 Clinical Skills MED 606 FMP OMED 607 PCC	OMED 670 Endocrine System OMED 680 Gastrointestinal System OMED 608/608L OMM OMED 609 Clinical Skills OMED 613 FMP OMED 614 PCC	OMED 690 CABS II OMED 695 Reproductive System OMED 615/615L OMM OMED 616 Clinical Skills OMED 618 FMP OMED 619 PCC

OMM = Osteopathic Manipulative Medicine
FMP = Foundations of Medical Practice
PCC = Professional Core Competencies
CABS I = Clinical Applications of Biomedical Sciences I
CABS II = Clinical Applications of Biomedical Sciences II

MS-1 sample week

CAMPBELL UNIVERSITY JERRY M. WILSON School of Osteopathic Medicine		BLOCK 1 WEEK 1 2020-2021					
Time	Monday, August 3, 2020	Tuesday, August 4, 2020	Wednesday, August 5, 2020	Thursday, August 6, 2020	Friday, August 7, 2020	Time	
8:00	Anatomy 01	Cell Biology / Biochemistry 03	Microbiology / Immunology 02	Cell Biology / Biochemistry 07	Integrated Quiz 1	8:00	
					08/03/20 - 08/05/20		
8:30	Anatomical Terminology Dr. Mitchell	Protein Structure and Function Dr. Lushia	Leukocytes Dr. Hamrick	DNA Replication and DNA Repair II Dr. Lushia	Study Techniques Development 1 CUSOM ACE	8:30	
9:00	Anatomy 02	Cell Biology / Biochemistry 04	Microbiology / Immunology 03	Cell Biology / Biochemistry 08	Clinical Skills Case 01	9:00	
9:30	Skin, Fascia and Surface Anatomy Dr. Mitchell	Cell Structure / Cell Membrane TBD	Hematopoiesis Dr. Brenseke	Transcription Dr. Lushia		9:30	
10:00	Cell Biology / Biochemistry 01	Microbiology / Immunology 01	Cell Biology / Biochemistry 05	Microbiology / Immunology 04	Large Group Clinical Case	10:00	
10:30	Introduction to Biochemistry : Water, pH and Buffers Dr. Traore	Introduction to Medical Microbiology and Normal Microbiota Dr. Kuo	Nucleic Acid Chemistry and Chromatin Dr. Lushia	Lymphoid Tissues Dr. Hamrick		10:30	
11:00	Lunch	OMM 01	Cell Biology / Biochemistry 06	Anatomy 04	Quiz Review	11:00	
11:30		Course Orientation; Introduction to Osteopathic Principles Dr. Motyka	DNA Replication and DNA Repair I Dr. Lushia	Introduction to Embryology Dr. Mitchell		11:30	
12:00	Cell Biology / Biochemistry 02	Lunch	Lunch	Lunch	Study Time	12:00	
12:30	Amino Acids and Peptides Dr. Lushia					Grand Rounds 12:30 - 1:30	Anatomy Lab 01
1:00	Anatomy 03	OMM Lab 01	Clinical Skills Lab	ExamSoft Trainine		Living Surface Anatomy Group A Anatomy Lab 01	1:00
1:30	Neuromuscular Concepts I Dr. Mitchell	Palpation and Principles Exercises	Practice #1 (1 Hour/Session)	Review of ExamSoft and Mock Exam (30 Mins/Session)		Living Surface Anatomy Group B	1:30
2:00	Clinical Skills 01	Group A				Living Surface Anatomy Group B	2:00
2:30	SDL - Introduction to Clinical Skills; 3-OE's Dr. Mann	Study Time				Study Time / ExamSoft Questions to MedEd	2:30
3:00	Clinical Skills 02	OMM Lab 01					3:00
3:30	SDL - HIPPA, OSHA Dr. Mann						3:30
4:00	Study Time	Palpation and Principles Exercises					4:00
4:30		Group B	Sessions end at 5:30				4:30

6/24/2020

Schedule subject to change. Students should keep the normal workday hours (8:00-5:00, M-F) open in anticipation of unscheduled changes.

Morning lecture/discussions are complemented by afternoon labs and skills sessions and include embedded study time. Osteopathic Manipulative Medicine (OMM) and other clinical skills are taught longitudinally throughout the two years in a progression designed to integrate with and provide seamless entry into the MS-3 and MS-4 years. Content is presented by physicians and basic scientists incorporating team teaching and team learning.

Campbell University places emphasis on interprofessional education (IPE) of health professions students. Entering CUSOM students participate in an introductory IPE event with pharmacy, physician assistant, physical therapy, nursing and other students within the first Block. Options for additional IPE experiences include case conferences, online activities, topic-based discussion groups, and clinical site-based experiences.

Evaluation includes integrated exams, quizzes and end-of-block and end-of-year evaluations. Weekly quizzes, along with team-based clinical case conferences, help students remain on top of material presented during the week, and provide faculty with contemporaneous assessment of student progress.

MS-3 and MS-4 YEARS

CUSOM students in years three and four will be assigned to regional sites in North Carolina and South Carolina. Clinical experiences occur within hospital sites for inpatient experiences, in ambulatory practices, and in acute care facilities. All students will spend time in rural medical practices and small and critical access hospitals for an underserved care experience. The didactic and online curriculum during clinical rotations is provided by CUSOM. Time distribution amongst specific clinical rotations reflects the mission to prepare primary care physicians for underserved areas, while preparing students to enter residency in any specialty.

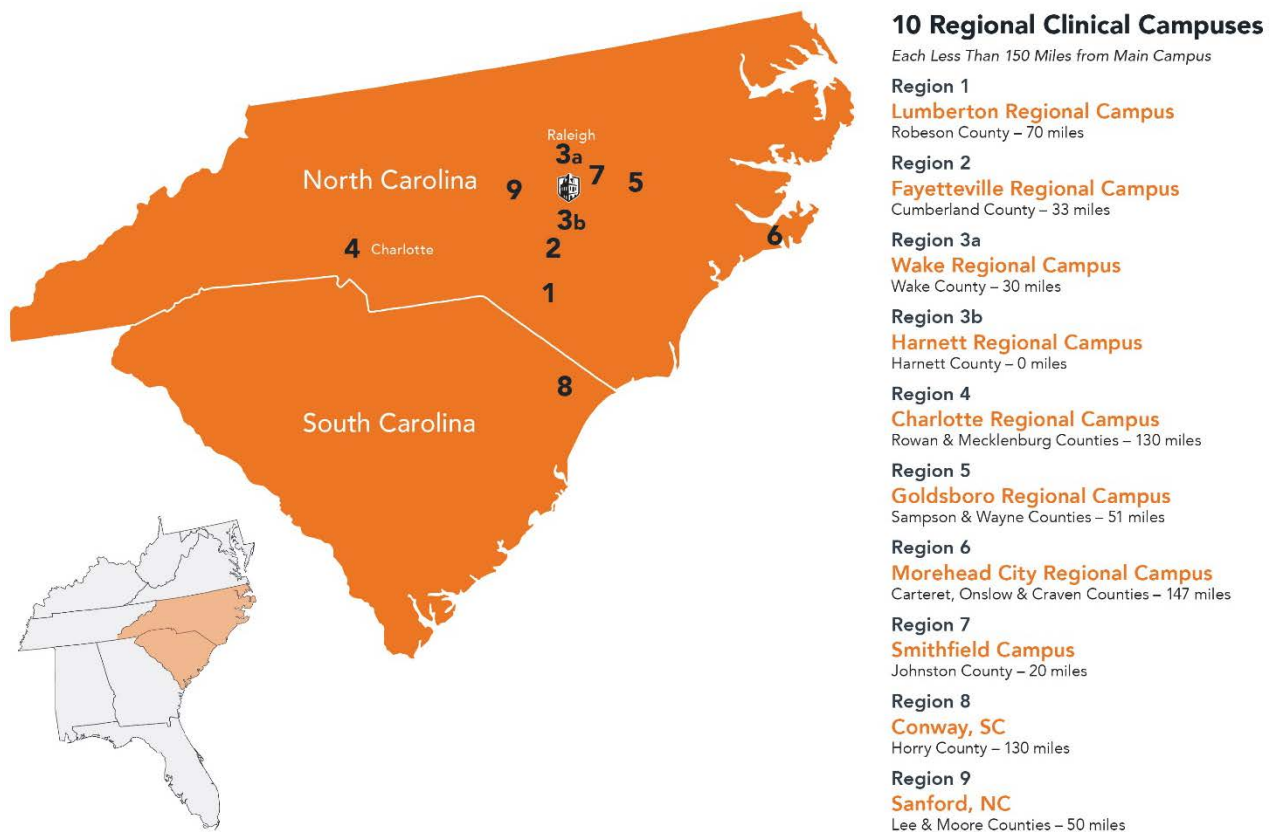
YEAR 3

- Simulation Lab /CAA (8 weeks)
then transition to 3rd year Clinical Rotations:
- Family Medicine (4 weeks)
- Internal Medicine I, II (8 weeks)
- Obstetrics/Gynecology (4 weeks)
- Pediatrics (4 weeks)
- Psychiatry/Behavioral Science (4 weeks)
- Rural/Underserved (4 weeks)
- Surgery (4 weeks)
- Medical Selective (4 weeks)
- Medical/Surgery Selective (4 weeks)

YEAR 4

- Residency Development (4 weeks)
then transition to 4th year Clinical Rotations:
- Emergency Medicine (4 weeks)
- Geriatrics (4 weeks)
- Electives I, II, III, IV, V (20 weeks)
 - Sub-internship
- Medical Selective (4 weeks)
- Primary Care Selective (4 weeks)
- Surgical Selective (4 weeks)

REGIONAL CLINICAL SITES



GRADES

The grade point average (GPA) is the sum of earned grade points divided by the sum of block-hour credits passed and failed. Students are required to remediate any courses within a Block where the student's grade falls below 70.

For the first two years, most courses award a traditional letter grade (A, B, C or F) which is calculated into the GPA. For the third and fourth years, all rotations have a clinical rotation grade on the Honors, High Pass, Pass, Fail system.

Grading Scale									
MS-1 and MS-2 Courses		Quality Points	MS-3 and MS-4 Rotations		Quality Points	Other Grades			
			Preceptor – Exam Grades	Overall Final Grade					
A	90-100 ^a	4.0	H-H	Honors	4.0	IC	Incomplete		
B	80-89	3.0	H-HP	Honors	4.0	W	Withdraw		
C	70-79	2.0	HP-HP	High Pass	3.5				
C ^{*b}	70	2.0	H-P	High Pass	3.5				
F	< 70	0.0	HP-P	High Pass	3.5				
P	≥ 70	4.0	P-P	Pass Clinical	3.0				
P ^{*b}	70	2.0	PC ^{*b}	Pass Clinical	2.0				
			FC	Fail Clinical	0.0				
FMP and PCC are P/F P = 4.0 QP F = 0.0 QP P* = 2.0 QP			PC = Pass Clinical FC = Fail Clinical						
^a The maximum percentage cannot exceed 100. Percentage grades are rounded to the tenth from 0.50 upwards, therefore 82.50-82.99 = 83, while 82.49 = 82. ^b Denotes course was passed after successful remediation of an initial failing grade. Incomplete (IC) and Withdrew (W) do not carry any quality points.									

ASSESSMENT

CUSOM has adopted the 14 AACOM Osteopathic Core Competencies for Medical Students as the outcome objectives for graduates. Each Competency has been mapped to the courses where it is covered, and evaluation strategies are utilized to ensure that all graduates achieve the intended learning outcomes. A comprehensive assessment plan summarizes additional methods and metrics that are tracked for continual program evaluation and improvement.

Assessment of knowledge occurs through the use of multiple-choice examinations and quizzes administered electronically at scheduled intervals. Laboratory and clinical skills assessments are in written or verbal/practical format. Assessment of performance on clinical rotations involves end-of-rotation examinations, preceptor evaluation of student performance, and related methods.

Assessment of student performance compared to national cohorts is achieved through the end of rotation Comprehensive Osteopathic Medical Achievement Tests (COMAT) and the Comprehensive Osteopathic Medical Licensing Examination-USA Levels 1, 2 and 3.

ACADEMIC CALENDAR

CUSOM 2020-2021 Academic Calendar

July 2020						
Su	M	Tu	W	Th	F	Sa
			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	

August 2020						
Su	M	Tu	W	Th	F	Sa
						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					

September 2020						
Su	M	Tu	W	Th	F	Sa
		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			

October 2020						
Su	M	Tu	W	Th	F	Sa
				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

November 2020						
Su	M	Tu	W	Th	F	Sa
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					

December 2020						
Su	M	Tu	W	Th	F	Sa
		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		

January 2021						
Su	M	Tu	W	Th	F	Sa
					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						

February 2021						
Su	M	Tu	W	Th	F	Sa
	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						

March 2021						
Su	M	Tu	W	Th	F	Sa
	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			

April 2021						
Su	M	Tu	W	Th	F	Sa
				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	

May 2021						
Su	M	Tu	W	Th	F	Sa
						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					

June 2021						
Su	M	Tu	W	Th	F	Sa
		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			

- Orientation
- White Coat Ceremony - Sat Oct 24
- Winter Graduation - Dec 12
- Spring Graduation - May 6

- Block 1/5 Aug 3 - Oct 2
- Block 2/6 Oct 12 - Dec 11
- Block 3/7 Jan 4 - Mar 5
- Block 4/8 Mar 15 - May 21
- Break / Remediation

- Holiday
- Sept 7 Labor Day - No Classes
- Nov 26 - 27 Thanksgiving Break - No Classes
- Dec 12 - Jan 3 Holiday Break - No Classes
- Jan 18 Martin Luther King Day - No Classes
- Apr 2 Good Friday - No Classes
- May 31 Memorial Day
- July 4 Independence Day



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Please Note: This calendar is subject to change. Please keep this in mind when making travel arrangements. When in doubt, please contact The Medical Education Department