

## Course Topics & Focus Areas

The MCAT Prep Course will cover new topics within each category weekly.

	TUESDAY		WEDNESDAY		THURSDAY	
	Chemistry 10am CST	Physics 11am CST	Biochemistry 10am CST	Biology 11am CST	Psychology 10am CST	Practice Qs 11am CST
Week 1	<ul style="list-style-type: none"> <li>Atomic Mass and Exponential Decay</li> <li>Atom Structure</li> <li>Quantum Numbers</li> <li>Periodic Table</li> </ul>	<ul style="list-style-type: none"> <li>Vectors</li> <li>Newton's Laws</li> <li>Forces</li> <li>Friction</li> <li>Work &amp; Energy</li> </ul>	<ul style="list-style-type: none"> <li>Amino Acids &amp; Proteins</li> <li>Enzymes</li> <li>Enzyme Kinetics</li> </ul>	<ul style="list-style-type: none"> <li>Nervous System</li> <li>Brain Structure</li> <li>Action Potentials</li> <li>Neurotransmitters</li> </ul>	<ul style="list-style-type: none"> <li>Sensation</li> <li>Vision</li> <li>Audition &amp; Olfaction</li> </ul>	<ul style="list-style-type: none"> <li>Practice Exams &amp; Questions</li> </ul>
Week 2	<ul style="list-style-type: none"> <li>Balancing Equations</li> <li>Stoichiometry</li> <li>Acids &amp; Bases</li> <li>Salts &amp; Buffers</li> <li>Titration Part 1 &amp; 2</li> </ul>	<ul style="list-style-type: none"> <li>Fluids</li> <li>Bernoulli's Equation</li> <li>Gases</li> </ul>	<ul style="list-style-type: none"> <li>DNA</li> <li>Transcription/Translation/DNA Repair</li> <li>DNA Regulation</li> <li>DNA Technologies</li> </ul>	<ul style="list-style-type: none"> <li>Endocrine Gland</li> <li>Male &amp; Female Reproductive Systems</li> <li>Skeletal Muscle, P. 1&amp;2</li> <li>Skeletal Structure &amp; Function</li> </ul>	<ul style="list-style-type: none"> <li>Memory</li> <li>Development</li> <li>Cognitive Development</li> <li>Classical &amp; Operant Conditioning</li> <li>Social Development</li> </ul>	<ul style="list-style-type: none"> <li>Practice Exams &amp; Questions</li> </ul>
Week 3	<ul style="list-style-type: none"> <li>Solubility</li> <li>Gibbs Free Energy</li> <li>Dot Structure &amp; VSEPR Part 1</li> <li>VSEPR Part 2 &amp; Chirality</li> </ul>	<ul style="list-style-type: none"> <li>Electricity</li> <li>Circuits</li> <li>Capacitors &amp; Magnetism</li> <li>Redox Reactions</li> </ul>	<ul style="list-style-type: none"> <li>Genetics</li> <li>Genetic Recombination</li> <li>Evolution</li> </ul>	<ul style="list-style-type: none"> <li>Respiratory System</li> <li>Cardiovascular System</li> <li>Circulatory System</li> <li>Blood Part 1 &amp; 2</li> </ul>	<ul style="list-style-type: none"> <li>Needs, Motivation, &amp; Attitude</li> <li>Psychological Theories</li> <li>Conformity &amp; Obedience</li> </ul>	<ul style="list-style-type: none"> <li>Practice Exams &amp; Questions</li> </ul>
Week 4	<ul style="list-style-type: none"> <li>Stereochemistry</li> <li>Electronegativity &amp; Hybridization</li> <li>Carbohydrates &amp; Lipids</li> </ul>	<ul style="list-style-type: none"> <li>Batteries &amp; Sound</li> <li>Waves</li> <li>Light Waves</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to Cells</li> <li>Bacteria &amp; Viruses</li> <li>The Cell Cycle</li> <li>Mitosis &amp; Meiosis</li> <li>Cell Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>Lymphatic System</li> <li>Immune System Part 1 &amp; 2</li> <li>Integumentary System</li> </ul>	<ul style="list-style-type: none"> <li>The Self</li> <li>Socialization</li> <li>Social Perception</li> <li>Attraction &amp; Aggression</li> </ul>	<ul style="list-style-type: none"> <li>Practice Exams &amp; Questions</li> </ul>
Week 5	<ul style="list-style-type: none"> <li>Enols &amp; Aldols</li> <li>Aldehydes &amp; Ketones Part 1 &amp; 2</li> </ul>	<ul style="list-style-type: none"> <li>Film Interference</li> <li>Spectroscopy Part 1-3</li> <li>Geometric Optics</li> <li>Reflection</li> </ul>	<ul style="list-style-type: none"> <li>Cell Membranes</li> <li>Membrane Receptors</li> <li>Hormones &amp; Metabolism</li> <li>Metabolism</li> <li>Carbohydrates</li> </ul>	<ul style="list-style-type: none"> <li>Renal System</li> <li>Kidney Regulation Part 1 &amp; 2</li> </ul>	<ul style="list-style-type: none"> <li>Emotions</li> <li>Mental Disorders Part 1 &amp; 2</li> <li>Psychoactive Drugs</li> </ul>	<ul style="list-style-type: none"> <li>Practice Exams &amp; Questions</li> </ul>
Week 6	<ul style="list-style-type: none"> <li>Alcohols</li> <li>Aromatics &amp; Carboxylic Acids</li> <li>Carboxylic Acid Derivatives</li> </ul>	<ul style="list-style-type: none"> <li>Rate Laws Part 1 &amp; 2</li> <li>Thermodynamics Part 1 &amp; 2</li> </ul>	<ul style="list-style-type: none"> <li>Glycolysis &amp; Gluconeogenesis</li> <li>Citric Acid Cycle &amp; The Electron Transport Chain</li> <li>Fatty Acid Synthesis</li> <li>Fatty Acid Oxidation</li> </ul>	<ul style="list-style-type: none"> <li>GI System Part 1</li> <li>GI System Part 2</li> </ul>	<ul style="list-style-type: none"> <li>Society &amp; Culture Part 1 - 3</li> </ul>	<ul style="list-style-type: none"> <li>Practice Exams &amp; Questions</li> </ul>

**Spaces are limited.**

Contact your Admissions Advisor to learn more and register for the MCAT Prep Course today.



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