

SAMPLE MCAT 515 WORKSHOP SYLLABUS

WORKSHOP 1

Topics

- Amino Acids & Proteins
- Enzymes
- AAMC Targeted Practice

Subjects

- **Biochemistry**

LESSON 1

Topics

- Welcome to the course
- How to read CARS and Science passages
- Fitting MCAT into your life
- How to study MCAT science

Subjects

- **Critical Analysis & Reasoning Skills** • **Biology**
- **Biochemistry** • **General Chemistry**

WORKSHOP 2

Topics

- Genetic Inheritance & Population Genetics
- Force & Kinematics
- AAMC Targeted Practice

Subjects

- **Physics** • **Biology**

LESSON 2

Topics

- Opinions in CARS passages
- Math and formulas on the MCAT

Subjects

- **Critical Analysis & Reasoning Skills** • **Biology**
- **Physics** • **Psychology & Sociology**

WORKSHOP 3

Topics

- Social Effects & Interactions
- Membrane Structure & Transport
- AAMC Targeted Practice

Subjects

- **Psychology & Sociology** • **Biology**

LESSON 3

Topics

- Strategies for analyzing figures
- How to review with LLJ
- In-class CARS mini drill

Subjects

- **Critical Analysis & Reasoning Skills** • **Biology**
- **Physics** • **Biochemistry** • **Psychology & Sociology**

WORKSHOP 4

Topics

- Social Structures & Groups
- Experimental Design
- AAMC Targeted Practice

Subjects

- **Psychology & Sociology**

LESSON 4

Topics

- Identifying arguments in CARS
- Recognizing key elements of experimental design in the sciences

Subjects

- **Critical Analysis & Reasoning Skills**
- **General Chemistry** • **Biology**

WORKSHOP 5

Topics

- Cognition & Consciousness
- Force, Work, Power & Energy
- AAMC Targeted Practice

Subjects

- **Psychology & Sociology** • **Physics**

LESSON 5

Topics

- Strategic approaches for tackling questions in both CARS and the Sciences
- Preparing to take a full-length exam

Subjects

- **Critical Analysis & Reasoning Skills** • **Physics**
- **Psychology & Sociology**

WORKSHOP 6

Topics

- Bonding & Chemical Reactions
- Periodic Table, Lewis Structure, VSEPR
- AAMC Targeted Practice

Subjects

- **General Chemistry**

LESSON 6

Topics

- Analyzing arguments in CARS passages
- How to use course analytics
- Reviewing a full-length exam and creating an LLJ

Subjects

- **Critical Analysis & Reasoning Skills**
- **Physics** • **General Chemistry**

WORKSHOP 7

Topics

- Genes & Gene Expression
- Learning & Memory
- AAMC Targeted Practice

Subjects

- **Psychology & Sociology** • **Biology**

LESSON 7

Topics

- Pacing in sciences
- Tackling CARS Skill 1 questions

Subjects

- **Critical Analysis & Reasoning Skills** • **Biology**
- **Biochemistry** • **Organic Chemistry**
- **Psychology & Sociology**

WORKSHOP 8

Topics

- Metabolism
- Organic Reactions
- AAMC Targeted Practice

Subjects

- **Biochemistry** • **Organic Chemistry**

LESSON 8

Topics

- Pacing in CARS
- How to read experiment-based passages and address associated questions

Subjects

- **Critical Analysis & Reasoning Skills** • **Biochemistry**
- **General Chemistry** • **Organic Chemistry**

WORKSHOP 9

Topics

- Electricity & Thermodynamics
- Chemical Kinetics & Thermodynamics
- AAMC Targeted Practice

Subjects

- **General Chemistry** • **Physics**

LESSON 9

Topics

- Intermediate figure analysis in sciences
- How to deal with motivation and stress while preparing for MCAT
- Tackling CARS Skill 2 questions

Subjects

- **Critical Analysis & Reasoning Skills** • **Physics**
- **Organic Chemistry** • **General Chemistry**
- **Biochemistry**

WORKSHOP 10

Topics

- Solutions & Equilibrium
- Senses
- AAMC Targeted Practice

Subjects

- **Psychology & Sociology** • **General Chemistry**

LESSON 10

Topics

- Intermediate math and formula strategies in sciences
- CARS midway review and drill practice.

Subjects

- **Critical Analysis & Reasoning Skills** • **Biology**
- **Psychology & Sociology** • **General Chemistry**
- **Physics**

WORKSHOP 11

Topics

- Endocrine System
- Redox & Electrochemistry
- AAMC Targeted Practice

Subjects

- **General Chemistry** • **Biology**

LESSON 11

Topics

- Identifying wrong answers in CARS
- Advanced figure analysis in sciences

Subjects

- **Critical Analysis & Reasoning Skills** • **Biology**
- **General Chemistry**

WORKSHOP 12

Topics

- Fluids
- Biosignaling & Bioenergetics
- AAMC Targeted Practice

Subjects

- **Biochemistry** • **Physics**

LESSON 12

Topics

- Tackling CARS Skill 3 questions
- Advanced math and formula strategies in sciences
- Overcoming hurdles while preparing for the MCAT

Subjects

- **Critical Analysis & Reasoning Skills** • **Physics**
- **Biochemistry**

WORKSHOP 13

Topics

- Lab & Analytical Techniques
- Optics
- AAMC Targeted Practice

Subjects

- **Physics** • **Biochemistry**

LESSON 13

Topics

- CARS Skill 3 Questions practice drill
- Advanced experimental design strategies in sciences

Subjects

- **Critical Analysis & Reasoning Skills** • **Biology**
- **Psychology & Sociology** • **Biochemistry**
- **Organic Chemistry**

WORKSHOP 14

Topics

- Neurons & Nervous System
- Attributions, Prejudice, Stereotype, Discrimination & Inequality
- AAMC Targeted Practice

Subjects

- **Psychology & Sociology** • **Biochemistry**

LESSON 14

Topics

- Eliminating strategies in CARS and sciences

Subjects

- **Critical Analysis & Reasoning Skills** • **Biochemistry**
- **Physics** • **Psychology & Sociology**

WORKSHOP 15

Topics

- Systems Review
- Reproduction
- AAMC Targeted Practice

Subjects

- **Biology**

LESSON 15

Topics

- Advanced approach to CARS
- Building your post-class plans
- Science practice drill

Subjects

- **Critical Analysis & Reasoning Skills** • **Biology**
- **General Chemistry**

WORKSHOP 16

Topics

- Personality & Identity
- Organic Lab Techniques
- AAMC Targeted Practice

Subjects

- **Psychology & Sociology** • **Organic Chemistry**

LESSON 16

Topics

- Managing test anxiety
- CARS and science final strategy review and practice drill
- The test day experience

Subjects

- **Critical Analysis & Reasoning Skills** • **Physics**
- **Psychology & Sociology** • **Biology**