

ALL COURSES - POST BACCALAUREATE PROGRAM MEDICINE

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CHA 030. Community Health Advocate Program. 0 credits.

This course will help prepare students or lay individuals to serve as Community Health Advocate (CHA), focused on chronic disease prevention, improvement, and slower progress through improved self-management and access to healthcare. The course will educate CHAs about how to link individuals and families with relevant medical, behavioral health and social services. CHAs will learn how to facilitate access to a wide range of services through advocacy, outreach, referral, community and individual/family education, informal mentoring, and social support.

PBP 400. Pre-Medical Biology Preview. 1 credit.

The main objectives of the biology course are to enhance understanding of biological concepts applicable to medicine, and to develop critical thinking and problem-solving skills required for biological science and medicine, including the ability to acquire and analyze information from various sources. Biological science emphasized includes anatomy, behavioral biology, cell biology, developmental biology, genetics, molecular biology, and physiology.

PBP 401. Pre-Medical Chemistry Preview. 1 credit.

Topics covered include: math concepts used in chemistry, introduction to the periodic table, atomic structure, chemical nomenclature, stoichiometry, ionic reactions in water solutions, electron configurations, periodic trends of the elements, ionic and covalent compounds.

PBP 402. Pre-Medical Analytical Reading Preview. 1 credit.

This class will assess the students' ability to read actively and critically. It will include an overview of the fundamentals of reading and various reading skills. Time will be spent developing the ability to reason from reading and to analyze written material. It will demonstrate the importance of reading in life.

PBP 403. Pre-Medical Writing Preview. 1 credit.

This course is a review of standard rhetorical modes, syntax, grammar, and usage, as well as an introduction to the MCAT essay structure.

PBP 404. Pre-Medical Mathematics Preview. 1 credit.

This review covers pre-algebra, college algebra, plane geometry, trigonometry, analytic geometry, and introductory calculus. There are three aims for the students in this course: to perfect the math skills necessary to manipulate formulas for an MCAT exam, to gain an understanding of general mathematical concepts behind the formulas and models in the physical sciences, to gain an understanding of general mathematical concepts behind the formulas and models of medical research. Individuals in the course will have weaknesses in varied areas, so that, the rate of coverage of topics will vary according to the needs of the students in the course.

PBP 405. Pre-Medical Physics Preview. 1 credit.

Lecture. Topics include: Language of Motion, Newton's laws of motion, Resistance, Conservation of motion, and work-energy. Testing is done in a MCAT format to make students familiar with MCAT tests and concepts needed.

PBP 406. Pre-Medical Biology Review. 3 credits.

The main objectives of the biology course are to enhance understanding of biological concepts applicable to medicine, and to develop critical thinking and problem-solving skills required for biological science and medicine, including the ability to acquire and analyze information from various sources. Biological science emphasized includes anatomy, behavioral biology, cell biology, developmental biology, genetics, molecular biology, and physiology.

PBP 407. Pre-Medical Chemistry Review. 3 credits.

A continuation of the summer chemistry program. Concepts and theories covered include the gas laws, intermolecular attractive forces, properties of solids and liquids, chemical thermodynamics, colligate properties of solutions, kinetics, chemical equilibrium, acid and base theory, solubility, oxidation and reduction reactions, and coordination theory. The summer and fall courses review the first year of college chemistry.

PBP 408. Pre-Medical Analytic Reading Review Part A. 1 credit.

This class will assess the students' ability to read actively and critically. It will include an overview of the fundamentals of reading and various reading skills. Time will be spent developing the ability to reason from reading and to analyze written material. It will demonstrate the importance of reading in life.

PBP 409. Pre-Medical Writing Review. 1 credit.

This course focuses on issues of timed writing and MCAT essay practice, as well as readings from fiction and nonfiction sources for style and structure.

PBP 410. Pre-Medical Mathematics Review. 3 credits.

This review covers pre-algebra, college algebra, plane geometry, trigonometry, analytic geometry, and introductory calculus. There are three aims for the students in this course: to perfect the math skills necessary to manipulate formulas for an MCAT exam, to gain an understanding of general mathematical concepts behind the formulas and models in the physical sciences, to gain an understanding of general mathematical concepts behind the formulas and models of medical research. Individuals in the course will have weaknesses in varied areas, so that, the rate of coverage of topics will vary according to the needs of the students in the course.

PBP 411. Pre-Medical Physics Review. 3 credits.

Lecture. Topics include: Gravity, Circular Motion, Torques, Solids, Fluids and Sound-Waves. Testing is done in a MCAT format to make students familiar with MCAT tests and concepts needed.

PBP 412. Pre-Medical Biology. 2 credits.

The main objectives of the biology course are to enhance understanding of biological concepts applicable to medicine, and to develop critical thinking and problem-solving skills required for biological science and medicine, including the ability to acquire and analyze information from various sources. Biological science emphasized includes anatomy, behavioral biology, cell biology, developmental biology, genetics, molecular biology, and physiology. P. PBP 406.

PBP 413. Pre-Medical Chemistry. 3 credits.

Semester reviews organic chemistry. Review of the structure and properties of organic compounds such as alkenes, aromatic compounds, alkynes, alcohols, alkyl halides, and the carbonyl compounds. Reaction mechanisms, organic synthesis and structural analysis by spectroscopy are emphasized.

PBP 414. Pre-Medical Analytical Reading. 1 credit.

This class will assess the students' ability to read actively and critically. It will include an overview of the fundamentals of reading and various reading skills. Time will be spent developing the ability to reason from reading and to analyze written material. It will demonstrate the importance of reading in life.

PBP 415. Pre-Medical Writing. 1 credit.

This course focuses on intensive MCAT exam practice while continuing the readings and analysis from the fall.

PBP 416. Pre-Medical Mathematics. 2 credits. SP

This review covers pre-algebra, college algebra, plane geometry, trigonometry, analytic geometry, and introductory calculus. There are three aims for the students in this course: to perfect the math skills necessary to manipulate formulas for an MCAT exam, to gain an understanding of general mathematical concepts behind the formulas and models in the physical sciences, to gain an understanding of general mathematical concepts behind the formulas and models of medical research. Individuals in the course will have weaknesses in varied areas, so that, the rate of coverage of topics will vary according to the needs of the students in the course. P. 410.

PBP 417. Pre-Medical Physics. 3 credits.

Lecture. Topics include: Electrodynamics, Circuits and Atomic-Nuclear Physics Testing is done in a MCAT format to make students familiar with MCAT tests and concepts needed.

PBP 418. Pre-Medical Integrated Cultural Awareness. 1 credit.

This course is designed to engage students in the discussion of cultural differences and issues of identity while honing their reading and reading critical skills. Students will discuss class, cultural clashes, and themes of dislocation and alienation. They will explore the meaning of physical and cognitive outsidership and learn to read critically.

PBP 419. Pre-Medical Academic Excellence. 1 credit.

This the third part of the course is designed to assist the Post-Bac program students with the refinement of academic skills in preparation for maximum academic performance. This goal encompasses the academic work in the year long program, in increased performance on the MCAT and in readiness for the academic rigors of medical school. Individual assessment is an intricate part of the course. Students use the information to evaluate their current strategies to determine what areas need altered or additional techniques. Other components of the course include critical thinking skills, communication approaches, success collaborative learning, time management issues and stress reduction.

PBP 420. Pre-Medical Academic Excellence - Part 1. 1 credit.

This is the first part of the course designed to assist the Post-Bac program students with the refinement of academic skills in preparation for maximum academic performance. This goal encompasses the academic work in the year long program, in increased performance on the MCAT and in readiness for the academic rigors of medical school. Individual assessment is an intricate part of the course. Students use the information to evaluate their current strategies to determine what areas need altered or additional techniques. Other components of the course include critical thinking skills, communication approaches, success collaborative learning, time management issues and stress reduction.

PBP 421. Pre-Medical Academic Excellence - Part 2. 1 credit.

This course is the second part of the course designed to assist the Post-Bac program students with the refinement of academic skills in preparation for maximum academic performance. This goal encompasses the academic work in the year long program, in increased performance on the MCAT and in readiness for the academic rigors of medical school. Individual assessment is an intricate part of the course. Students use the information to evaluate their current strategies to determine what areas need altered or additional techniques. Other components of the course include critical thinking skills, communication approaches, success collaborative learning, time management issues and stress reduction.

PBP 422. Pre-Medical Academic Excellence & Learning Lab. 1 credit.

This course is designed to assist the Post-Bac program students with the refinement of academic skills in preparation for maximum academic performance. This goal encompasses the academic work in the year long program, in increased performance on the MCAT and in readiness for the academic rigors of medical school. Individual assessment is an intricate part of the course. Students use the information to evaluate their current strategies to determine what areas need altered or additional techniques. Other components of the course include critical thinking skills, communication approaches, success collaborative learning, time management issues and stress reduction.

PBP 423. Pre-Medical Biomedical Science. 2 credits. SP

The main objectives of the biology course are to enhance understanding of biological concepts applicable to medicine, and to develop critical thinking and problem-solving skills required for biological science and medicine, including the ability to acquire and analyze information from various sources. Biological science emphasized includes anatomy, behavioral biology, cell biology, developmental biology, genetics, molecular biology, and physiology. P. PBP 406.

PBP 424. Pre-Medical Analytic Reading. 1 credit.

This class will assess the students' ability to read actively and critically. It will include an overview of the fundamentals of reading and various reading skills. Time will be spent developing the ability to reason from reading and to analyze written material. It will demonstrate the importance of reading in life.

PBP 425. Pre-Med Analytical Reading Preview B. 1 credit.

Analytical reading is a course designed to develop students analytical reading skills. Students will read expository essays, analyze literary texts to hone in reading skills and do MCAT passages. Although dental students take DAT rather than MCAT, experience has demonstrated that dental students do well on the DAT passages, which are less demanding in analytical skills and focus more on information, because they improve, through MCAT passages, their analytical and thinking skills. In this course, students will also learn to infer meaning of texts. They will analyze short literary texts, this course will focus primarily on helping students better understand what they read through recognizing and interpreting an author's main ideas. Furthermore, it will help them to understand how an author uses supporting details, tone, purpose, and point of view to influence the reader. This course will also offer students practice in reading and understanding texts, because verbal reasoning is a skill that is not acquired through lectures, they are expected to practice daily.

PBP 426. Pre-Medical Behavioral Science-Introduction to Psychology. 1 credit.

This course is an overview of basic psychological principals.

PBP 427. Pre-Medical Cultural Connections. 1 credit.

This course explores culture through the arts.

PBP 428. Pre-Medical Cultural Analytical Literature. 2 credits.

This course is an overview of cultural competency through essay and literary text.

PBP 429. PreMed Analytical Reading Part C. 1 credit.

Analytical reading is a course designed to develop students analytical reading skills. Students will read expository essays, analyze literary texts to hone in reading skills and do MCAT passages. Although dental students take DAT rather than MCAT, experience has demonstrated that dental students do well on the DAT passages, which are less demanding in analytical skills and focus more on information, because they improve, through MCAT passages, their analytical and thinking skills. In this course, students will also learn to infer meaning of texts. They will analyze short literary texts, this course will focus primarily on helping students better understand what they read through recognizing and interpreting an author's main ideas. Furthermore, it will help them to understand how an author uses supporting details, tone, purpose, and point of view to influence the reader. This course will also offer students practice in reading and understanding texts, because verbal reasoning is a skill that is not acquired through lectures, they are expected to practice daily.

PBP 430. Pre-Medical Behavioral Science-Introduction to Sociology. 1 credit.

This course is an overview of basic sociological principals.

PBP 434. Pre-Medical Analytical Reading - Part A. 1 credit. SP

Course is a continuation of Fall section and incorporates practice with MCAT verbal passages which include discussion of reasoning used to obtain answers, understanding the varying forms of questions and skills used with multiple choice questions.

PBP 446. Pre-Medical Behavioral Science II. 1 credit.**PBP 501. Pre-Medical Molecular and Cell Biology. 2 credits.****PBP 502. Pre-Medical Anatomy. 2 credits.****PBP 503. Pre-Medical Principles of Microbiology. 1 credit.****PBP 504. Pre-Medical Host Defense. 1 credit.****PBP 505. Pre-Medical Pharmacology. 1 credit.****PBP 506. Pre-Medical Neurosciences. 1 credit.**