Baker College

RunningStart

High School Course Catalog
2022-2023

BIO 1210 – Human Anatomy and Physiology I

BIO 1211 – Human Anatomy and Physiology I Lab

CIS 1110A - Computer OS and Maintenance

COM 1010 - Comp. and Critical Thinking I

COM 1020 – Comp. and Critical Thinking II

COM 2050 – Public Speaking

COM 2110 - Group Dynamics

CRJ 1010 - Intro. to Criminal Justice

CRJ 1060 - Intro. to Corrections

CRJ 1310 - Diversity in Criminal Justice

CRJ 1410 - Criminology

CS 1110 – Programming in Python

ECE 1010 - Intro. to Early Childhood Education

ECN 2010 - Princ. of Macroeconomics

ECN 2110 - Princ. of Microeconomics

ENG 2050 – Mass Media and Society

ENG 2410 – Creative Writing

FIN 1010 - Personal Finance

GEO 1010 - Human Geography

GEO 1110 - Physical Geography

HIS 1010 - Intro. to History

HSC 1010 - Intro. to Health Professions

HSC 1110 - Intro. to Healthcare

HSC 1250 – Intro. to Disease

HUS 1010 - Intro. to Human Services

HUS 1110 – Poverty and Culture

HUS 1210 – Family Dynamics

ITS 2110 - Intro. to Network Security

LIT 2050 - Intro. to Literature: World Masterpieces and Critical Approaches

MGT 1010 - Intro. to Business

MKT 1110 - Princ. of Marketing

MTH 1010 - Quantitative Literacy

MTH 1110 - College Algebra I

MTH 1120 – College Algebra II

MTH 1310 – Pre-Calculus

MTH 2750 – Statistical Methods

NET 1010 – Networking Essentials

PHY 3210 - Princ. of Astronomy

POL 1010 - Intro. to Political Science

PSY 1110 - General Psychology

PSY 2110 - Psychology of Death and Dying

PSY 2310 - Industrial Organizational Psychology

SCI 2710 - Environmental Science

SOC 2010 - Sociology

SPN 1010 - Spanish I

WEB 1110 - Intro. to HTML

BIO 1210 – Human Anatomy and Physiology I

Credits: 3
Lecture: 45
Lab: 0
Focuses on the essential study of the body and associated terminology with a view toward the structure and function of the body parts, organs, and systems and their relationship to the whole body. 45 hours of lecture and 30 hours of lab if required.
Prerequisite(s): None
Corequisite(s): BIO 1211

BIO 1211 – Human Anatomy and Physiology I Lab

Credits: 1
Lecture: 0
Lab: 30
Accompanies the lecture course and if required, it is to be taken concurrently. Students will perform minimal dissections and explorations of main anatomical structures using models and virtual explorations to reinforce the material presented in the lecture. This course focuses on the structure and function of the body parts, organs, and systems and their relation to the body as a whole. 45 hours of lecture and 30 hours of lab if required.
Prerequisite(s): None
Corequisite(s): BIO 1210

CIS 1110A - Computer OS and Maintenance

Credits: 3
Lecture: 45
Lab: 0
Provides an introduction to computer operating systems and maintenance concepts. Students will study the Microsoft Windows family of operating systems and will receive a brief introduction to Linux. This course will assist students in their preparation for the CompTIA A+ Essentials Exam. 45 hours of lecture are required.
Prerequisite(s): None
Corequisite(s): None

COM 1010 - Comp. and Critical Thinking I

Credits: 3
Lecture: 45
Lab: 0
Students will develop critical thinking, reading, and writing skills in the context of personal, professional, digital, and academic environments, with emphasis on analysis. This course will enable students to examine, develop, and employ the writing process while focusing on audience, invention, rhetorical context, language, style, purpose, written communication strategies, and digital demands.
Prerequisite(s): None
Corequisite(s): None

COM 1020 – Comp. and Critical Thinking II

Credits: 3
Lecture: 45
Lab: 0
Students will extend and apply concepts introduced in Composition and Critical Thinking, and Quantitative Literacy, through the development of written arguments and oral presentations for a variety of academic and professional audiences.
Prerequisite(s): COM 1010, MTH 1010
Corequisite(s): None

COM 2050 – Public Speaking

Credits: 3
Lecture: 45
Lab: 0
Emphasizes the practical skill of public speaking, and is focused on the source and substance of ideas, evidence, and reasoning that form the foundation of strategic and effective oral communications. Students will develop and present original speeches while applying these ideas along with the principles of organization, clarity, and rigor. The goal of the course is to prepare students for success in interpersonal, professional, collaborative, and public speaking situations.
Prerequisite(s): COM 1010
Corequisite(s): None

COM 2110 - Group Dynamics

Credits: 3
Lecture: 45
Lab: 0
Prepares students to work effectively in groups. Students will collaborate to complete a group project and multiple presentations. Course content covers key concepts of group dynamics such as diversity, group roles, ethical issues, and conflict resolution. Students will hone group communication skills and effectively use technology to communicate with group members.
Prerequisite(s): None
Corequisite(s): None

CRJ 1010 - Intro. to Criminal Justice

Credits: 3
Lecture: 45
Lab: 0
Introduces the skills, tools, and methods needed for various criminal justice professions. This course explores philosophical underpinnings of crime and punishments among police, corrections, and the courts. Various ethical and duty related issues are also examined.
Prerequisite(s): Student background check
Corequisite(s): None

CRJ 1060 - Intro. to Corrections

Credits: 3
Lecture: 45
Lab: 0
Introduces the philosophy and history of corrections. This course examines the corrections system process, including the development of current forms and approaches to corrections including probation, parole, security concepts, and related agencies. The role of a correctional officer is analyzed.
Prerequisite(s): None
Corequisite(s): None

CRJ 1310 - Diversity in Criminal Justice

Credits: 3
Lecture: 45
Lab: 0
Examines the meaning and function of culture, the impact and meaning of discrimination, minorities, attitude formation, and professional responsiveness for criminal justice professionals..
Prerequisite(s): None
Corequisite(s): None

CRJ 1410 - Criminology

Credits: 3
Lecture: 45
Lab: 0
Examines the meaning and function of culture, the impact and meaning of discrimination, minorities, attitude formation, and professional responsiveness for criminal justice professionals.
Prerequisite(s): None
Corequisite(s): None

CS 1110 – Programming in Python

Credits: 3
Lecture: 45
Lab: 0
Introduces students to programming concepts and program development using Python. Covers data representation, variables, operators, control, algorithms, data structures and functions. Students learn to develop code using the Spyder Integrated Development Environment.
Prerequisite(s): None
Corequisite(s): MTH 1010

ECE 1010 - Intro. to Early Childhood Education

Credits: 3
Lecture: 45
Lab: 0
Focuses on introductory concepts of Early Childhood Education professions including professionalism, ethics, and standards. Historical events as well as current issues are reviewed. Students participate in hands-on activities to develop an understanding of developmentally appropriate practices within learning environments.
Prerequisite(s): Student background check, DHS clearance
Corequisite(s): None

ECN 2010 - Princ. of Macroeconomics

Credits: 3
Lecture: 45
Lab: 0
Provides an introduction to aggregate economic issues to include inflation, unemployment, and Gross Domestic Product (GDP); economic theories; market system; and the role of government.
Prerequisite(s): None
Corequisite(s): None

ECN 2110 - Princ. of Microeconomics

Credits: 3
Lecture: 45
Lab: 0
Examines the functions of individual business decision making, market structures, market failures, and the role of government within the economy.
Prerequisite(s): None
Corequisite(s): None

ENG 2050 – Mass Media and Society

Credits: 3
Lecture: 45
Lab: 0
Introduces the history, technical development, and cultural impact of mass media (books, newspapers, magazines, sound recordings, radio, television, movies, the Internet, and social media, as well as the related areas of public relations and advertising). Examines social factors (i.e. economics, technology, politics, law/regulatory practices, and the consumer culture) that shape media messages. Explores the function and responsibility of mass media in a democratic society, while also analyzing the ethics, power, and influence of modern media.
Prerequisite(s): COM 1010
Corequisite(s): None

ENG 2410 – Creative Writing

Credits: 3
Lecture: 45
Lab: 0
Introduces the fundamentals of writing for expressive purposes to students at any level of experience in creative writing. Students will produce and revise original works of poetry, fiction and nonfiction using a workshop format. Students will also explore mentor texts in order to analyze various structures, stylistic approaches and techniques that they will apply to their own works.
Prerequisite(s): None
Corequisite(s): None

FIN 1010 - Personal Finance

Credits: 3
Lecture: 45
Lab: 0
Provides a balanced exposure to development and understanding the various aspects involved in managing one's personal finance.
Prerequisite(s): None
Corequisite(s): None

GEO 1010 - Human Geography

Credits: 3
Lecture: 45
Lab: 0
Studies the various cultural landscapes created by man around the globe. Such landscapes include patterns in agriculture, urban development, populations, economics, languages, religions, and others. This course provides the student with an overview of many different cultures and the opportunity to compare the cultures to their own culture.
Prerequisite(s): None
Corequisite(s): None

GEO 1110 - Physical Geography

Credits: 3
Lecture: 45
Lab: 0
Studies the natural environment, which is important to people and their activities, and how the physical elements of geography affect people. Presents maps and physical features, earth-sun-moon relationships, earth materials, landforms, drainage, and major natural resources. Introduces the character, causes, significance, and distribution of weather, climate, soils, and vegetation. Must complete with a C or better.
Prerequisite(s): None
Corequisite(s): None

HIS 1010 - Intro. to History

Credits: 3
Lecture: 45
Lab: 0
Provides a general introduction to the nature and methods of history, and its relationship to other social studies disciplines. Promotes awareness of the importance of historical literacy by examining the historical roots of contemporary issues including conflict, globalization, human rights and inequalities, and ecology. Develops essential disciplinary and transferable academic skills including critical analysis and effective communication.
Prerequisite(s): None
Corequisite(s): None

HSC 1010 - Intro. to Health Professions

Credits: 2
Lecture: 30
Lab: 0
Provides students with a foundation for college success, as well as the exploration of various health professions and tools for career planning. Emphasizes concepts of professionalism, health care ethics, and confidentiality as well as an introduction to electronic health records (EHR) and relevant medical terminology.
Prerequisite(s): None
Corequisite(s): None

HSC 1110 - Intro. to Healthcare

Credits: 3
Lecture: 45
Lab: 0
Acquaints students with a variety of perspectives about existing healthcare systems. A particular emphasis on the complexity of the American healthcare system will be made. Comparisons with other health care delivery models and national trends will be discussed. Current events are incorporated throughout this course.
Prerequisite(s): None
Corequisite(s): None

HSC 1250 – Intro. to Disease

Credits: 3
Lecture: 45
Lab: 0
Introduces students to the fundamental aspects of the study of diseases. Emphasis will be on the definition, etiology, diagnosis, and treatment of specific diseases. This course will concentrate on clinical abstracting from the medical record.
Prerequisite(s): None
Corequisite(s): BIO 1210 minimum grade B- for students in the Health Information Technology program. Minimum grade D- for students in the General Studies, Bachelor of Healthcare Administration and Health Science Technology programs.

HUS 1010 - Intro. to Human Services

Credits: 3
Lecture: 45
Lab: 0
Serves as an overview of the historical development of the human services field. Introduces the philosophical framework and theoretical models as well as the interdisciplinary nature of the human services profession. Students will explore the roles, function, and future of the human services field, along with developing knowledge of community resources and policies developed to assist vulnerable communities.
Prerequisite(s): Student background check
Corequisite(s): None

HUS 1110 – Poverty and Culture

Credits: 3
Lecture: 45
Lab: 0
Increases knowledge, personal awareness, and skills relative to diversity within the contemporary world population. Addresses the scope of conditions that promote or inhibit human functioning, including causes of systemic poverty and its implications. The course will examine historical and current experiences of diverse groups, including a focus on gender, race, ethnicity and national origin, social class, religion, sexual orientation, age, and abilities. Issues examined are related to diversity, equity, and inclusion.
Prerequisite(s): None
Corequisite(s): None

HUS 1210 – Family Dynamics

Credits: 3
Lecture: 45
Lab: 0
Explores family systems concepts and diversity within family systems, culturally and relationally. Provides students with a foundation of knowledge and skills for building strong relationships and families, with an emphasis on family strengths and benefits that come from diversity. The concepts and ideas presented are directly applicable to students' lives as well as their future professional work.
Prerequisite(s): None
Corequisite(s): None

ITS 2110 - Intro. to Network Security

Credits: 3
Lecture: 45
Lab: 0
Provides students with a strong foundation in network security concepts, along with analysis and design of these systems. It is a preparatory course in network security methodologies and helps prepare students for the CompTIA Security+ certification examination.
Prerequisite(s): NET 1010
Corequisite(s): None

LIT 2050 - Intro. to Literature: World Masterpieces and Critical Approaches

Credits: 3
Lecture: 45
Lab: 0
Explores classic foundational texts in the major genres (poetry, drama, and fiction). Focuses on understanding literary elements and analyzing texts using close readings and critical literary theory in addition to the skills necessary to write literary essays. Introduces the concepts of literary analysis. Students will understand the influence of these texts in relationship to social and cultural contexts. Must complete with a C or better.
Prerequisite(s): None
Corequisite(s): None

MGT 1010 - Intro. to Business

Credits: 3
Lecture: 45
Lab: 0
Examines the dynamic role of business in the modern economy and the influences of the external and internal environments in which businesses operate. Provides an overview of each of the core functional areas of business and analyzes how the interrelationships among them are critical to meet the strategic and operational goals of an organization.
Prerequisite(s): None
Corequisite(s): None

MKT 1110 - Princ. of Marketing

Credits: 3
Lecture: 45
Lab: 0
Examines the essentials of an introductory course that can be either a survey course or a prerequisite to more advanced marketing studies. Study includes product identification, positioning and pricing strategies, consumer need identification and making the connection between consumer needs and product advertising, basic distribution strategies, and some decision-making tools at the disposal of the marketing manager. This course is recommended as a first course for marketing majors.
Prerequisite(s): None
Corequisite(s): None

MTH 1010 - Quantitative Literacy

Credits: 3
Lecture: 45
Lab: 0
This course introduces skills in reasoning, critical thinking, and quantitative literacy. Students will develop the ability to reason and solve quantitative problems from a wide array of contexts and real-world situations. Students will develop the analytical skills necessary to ask questions and define problems; develop and apply quantitative models; and interpret data in order to evaluate arguments supported by quantitative evidence.
Prerequisite(s): None
Corequisite(s): None

MTH 1110 - College Algebra I

Credits: 3
Lecture: 45
Lab: 0
Introduces elements of algebra including graphing, variable expressions, linear equations, polynomial operations and factoring, systems of equations, quadratic equations, rational equations, and functions.
Prerequisite(s): None
Corequisite(s): None

MTH 1120 – College Algebra II

Credits: 3
Lecture: 45
Lab: 0
Examines more advanced elements of algebra emphasizing the use of algebra and functions in problem solving and modeling. Key topics include functions, inverse functions, complex numbers, rational functions, logarithms, exponential functions, conic sections, sequences and series. Graphing is by recognition and transformation rather than by plotting points. MTH 1120 - College Algebra II satisfies the MTA College Algebra Pathway.
Prerequisite(s): MTH 1110
Corequisite(s): None

MTH 1310 – Pre-Calculus

Credits: 5
Lecture: 75
Lab: 0
Examines functions, their inverses, graphs, and properties. Students solve equations and real-world problems involving polynomial, rational, exponential, logarithmic, and trigonometric functions. Topics also addressed are: conic sections, complex numbers, vectors, sequences and series. Limits are introduced. MTH 1310 - Pre-Calculus satisfies the MTA College Algebra Pathway.
Prerequisite(s): MTH 1110
Corequisite(s): None

MTH 2750 – Statistical Methods

Credits: 3
Lecture: 45
Lab: 0
Focuses on data interpretation and practical application of introductory level statistics. Emphasizes a conceptual understanding of the use of statistics in various fields, including the ability to interpret results. Topics include development and analysis of descriptive statistics, inferential statistics (bivariate), and regression analysis. Students determine appropriate statistical methods, calculate basic statistical values, and analyze/interpret data sets including statistical software study results. MTH 2750 - Statistical Methods satisfies the MTA Statistics Pathway
Prerequisite(s): MTH 1010 or MTH 1110
Corequisite(s): None

NET 1010 – Networking Essentials

Credits: 3
Lecture: 45
Lab: 0
Introduces students to the field of computing. Focuses on the basic issues related to data communications and networking technologies. Topics include the OSI model, network topologies, protocols, and the fundamentals of internetworking. TCP/IP addressing is also covered.
Prerequisite(s): None
Corequisite(s): CIS 1110A

PHY 3210 - Princ. of Astronomy

Credits: 3
Lecture: 45
Lab: 0
Provides a comprehensive introduction to astronomy. Topics include the solar system, stars, galaxies, cosmology, and history of astronomy. Astronomical laboratory investigations are part of the course.
Prerequisite(s): None
Corequisite(s): None

POL 1010 - Intro. to Political Science

Credits: 3
Lecture: 45
Lab: 0
Provides a general introduction to political science concepts and methods, and the relationship between political science and other social studies disciplines. Includes an overview of sub-fields in the discipline, including political theory, comparative government, and International Relations. Promotes awareness of the significance of government and politics at the local, national, and global levels. Develops essential disciplinary and transferable academic skills including critical analysis and effective communication.
Prerequisite(s): None
Corequisite(s): None

PSY 1110 - General Psychology

Credits: 3
Lecture: 45
Lab: 0
Provides a foundation of knowledge in psychology examining key topics related to understanding human thoughts and behavior. Topics include an exploration of factors that influence thoughts and behavior, psychology as a science, sensation/perception, motivation, emotion, memory, cognition, personality, as well as key figures, research, and theories within psychology. Applying concepts to real-life settings is a focus throughout the course.
Prerequisite(s): None
Corequisite(s): None

PSY 2110 - Psychology of Death and Dying

Credits: 3
Lecture: 45
Lab: 0
Equips students with a psychological foundation of theories related to death, dying, and bereavement. Prepares students who are entering a helping profession to work with others to understand and cope with death, dying, and bereavement.
Prerequisite(s): None
Corequisite(s): None

PSY 2310 - Industrial Organizational Psychology

Credits: 3
Lecture: 45
Lab: 0
Explores psychological foundations, theories, models, and applications related to selection, placement, and evaluation of personnel, work motivation, leadership, worker well-being, group organization, organizational culture, and processes in the workplace.
Prerequisite(s): None
Corequisite(s): None

SCI 2710 - Environmental Science

Credits: 3
Lecture: 45
Lab: 0
Explores the relationship between man and the environment. Students examine the balance between natural resources including wildlife, their habitats, and the needs of man in the twenty-first century.
Prerequisite(s): None
Corequisite(s): None

SOC 2010 - Sociology

Credits: 3
Lecture: 45
Lab: 0
Examines social organization, culture, and the relationship between society and the individual. The areas studied are social groups, roles and statuses, institutions, social stratification, socialization, social change, and social policy.
Prerequisite(s): None
Corequisite(s): None

SPN 1010 - Spanish I

Credits: 3
Lecture: 45
Lab: 0
Introduces the beginning study of Spanish designed for students with minimal or no experience in Spanish. The main goal of this course is to begin to learn to speak, read, write, and comprehend Spanish. Special emphasis is placed on developing communication skills and on increasing awareness of cultures in the Spanish-speaking world.
Prerequisite(s): None
Corequisite(s): None

WEB 1110 - Intro. to HTML

Credits: 3
Lecture: 45
Lab: 0
Introduces concepts in website development using Hypertext Mark-up Language (HTML) and other components such as Cascading Style Sheets (CSS) and JavaScript. Topics will include: evolution of web development, website design concepts, standard HTML techniques, and trends in the field of web Development.
Prerequisite(s): None
Corequisite(s): None

Students in the Baker College Running Start Program are allowed to take any 1000 or 2000 level course for which they have met the requisite requirements. The courses listed in this catalog are recommended for Running Start students, but other options are available.

For information on other options, please contact:

Kelly Rhodes, Running Start Outreach & Student Liaison
kelly.rhodes@baker.edu
231-876-3136

Baker College Running Start
Email: runningstart@baker.edu
Website: www.baker.edu/runningstart