

Blue Major Descriptions

Science Majors

Meteorology

The study of the Earth's atmosphere and the phenomena it causes, such as weather, temperature, and our environment.

Astronomy

The study of our universe beyond Earth's atmosphere through our solar systems, planets, and celestial objects.

Chemistry

The scientific study that deals with the composition, structure, and properties of substances and elements and the transformations they go through.

Biology

The scientific study of the structure, function, growth, distribution, and evolution of living organisms, also known as the study of life.

Physics

The study of matter, including its basic components, motion, and behaviors in both space and time, as well as the associated concepts of energy and force.

Botany

The scientific study of plants and their genetic structure, properties, biochemical processes, and the habitats in which they grow and develop.

Zoology

The study of animals, both extant and extinct, through their anatomy, physiology, genetics, evolution, habits, and behavior.

Engineering Majors

Mechanical Engineering

The study of physical machines that combines engineering physics, mathematics, and materials science to analyze, design, produce, and manage mechanical systems.

Electrical Engineering

The study of physics, arithmetic, electricity, electronics, and electromagnetism for both large and small scale systems to process information and energy transmission.

Chemical Engineering

The study of creating and producing goods using chemical procedures by changing raw materials into usable products such as clothing, medicine, and materials.

Bio-Engineering

The study of life sciences used to analyze biology and medicine through engineering principles for biological systems and biomedical technology.

Medicine Majors

Neuroscience

The study of the human nervous system and brain, including its developments and functions through health and illness.

Nursing

The study of providing care using medical techniques and procedures to improve and restore health on the effects of illness and disease for patients, families, and communities.

Pharmacology

The study of how chemicals and drugs interact with living organisms and how they are affected through biological impacts, chemical composition, and therapeutic application.

Therapeutics

The study of preventing and combating disease through medical treatments and procedures to alleviate pain, injury and diseases for patients.

Social work

The study of understanding human development and social behaviors promoting social change and development to aid an individuals basic needs to enhance collective well being.

Psychology

The study of human behavior and the mental processes of others and the effects caused through evolutionarily, neurally, genetically, and social changes.

Forensic science

The study of physical, biomedical, and scientific methods used to analyze, examine, and investigate physical evidence from crime scenes that may be presented in the court of law.



Law Majors

Criminology

The study of criminal behavior thats based on sociological principles and non legal fields Including psychology, economics, statistics, and anthropology.

Criminal justice

The study of our legal system, law enforcement, courts, and corrections systems. Examining the different justice systems parts, including their histories and current operations.

Paralegal

A hybrid study of law and management that teaches how to research and analyze topics related to legal documentation, research, data and evidence.



Business Majors

Business

The study of business principles, management, and economics combining elements of accountancy, finance, marketing, human resource management, and operations.

Finance

The study and application of financial theories and management through personal, corporate and public levels to manage and grow income.

Economics

the study of scarcity and its effects on resource use, product production, welfare growth over time, and a wide range of other complex problems of paramount concern to society.

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Technology

Programming

The study of writing code to facilitate particular actions in a computer, application, or software program and provides specific instructions on how to execute these actions.

Computer science

The study of computers, computing, and related topics, such as their theoretical and algorithmic underpinnings, technology, software, and applications in information processing.

Game Development

The study of development that uses computer science and software engineering to create games using both technical and artistic design skills to create interactive projects for players.

Robotics

The study of conception, design, construction, and operation of robots and robotic components using knowledge from computer science and engineering.

Aviation

The study of aircraft operations and support systems. In addition to flight operations, it includes aircraft maintenance, air traffic control, airport and airline management.

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Mathematic Majors

Mathematics

The study of quantities and their changes, shapes and the spaces in which they are enclosed, formulas and associated structures, patterns, and numbers.

Datascience

The study uses advanced analytics to extract information from data combining programming skills, mathematics and statistics to extract data by identifying patterns and analyzing them.

Statistics

The study and manipulation of data concerned with developing and studying methods for collecting, analyzing, interpreting, and presenting empirical data.

Red Major Descriptions

Art Majors

Digital art

The study of artwork created through digital technology using software, computers, and other electronic devices to create digital media, animations, illustration, and digital paintings.

Traditional art

The study of traditional art is the visual creation or expression on different mediums of surfaces from paper and textures through drawing, sketching, and painting.

Culinary arts

The art of cooking incorporates plating, cooking techniques, presentation and service of food that can be expressed through different forms of cooking, baking and cultural flavors.

Ceramics

The art and creation of 3D objects and art made from different types of clay, powders and water to create a variety of different pottery and artistic decorations.

Sculpting

The art of shaping, cutting, welding, modeling, and molding using a variety of different materials, including clay, metal, wood, and stone to create sculptures, art and items.

Design Majors

Fashion design

The study and art of applying design, aesthetics, clothing construction, cultural aspects, and trends to clothing, shoes and accessories.

Graphic design

The study of art and design through planning and organizing projections of concepts and through text and visuals. Utilizing images and graphics to show materials for a targeted audience.

Architecture

The study and art of designing and engineering buildings, structures, floorplans, landscapes, and urban design using science and engineering.

Interior Design

The study of utilizing a room's walls, floors, and furniture to create creative, technical, sustainable and functional interior solutions and designs for a room or space.

Media Majors

Photography

The study of capturing light with a variety of different tools such as digital cameras, analog cameras and cellphones to capture and show an image.

Cinematography

The study of providing individuals dramatic information, ideas, moods and feelings through the production of films, movies and videos.

Journalism

The study of creating and publishing writing through various forms of media by gathering, assessing, creating and presenting news and information through a media platform.



Fine Arts Majors

Theatre

The study of artistic performances on Stage through educational institutions, televisions shows, movies and other media platforms and channels.

Acting

The study of Acting is a performing craft In which a fictional or non fictional character Is brought to life on stage, screen, or in television through the use of movement, gesture, and intonation.

Dance

The study and art of dance is the expression of movement using knowledge from anthropology, musicology, ethnomusicology, and ethnography.

Music theory

The study and practice of analyzing compositional components like rhythm, dynamics, tempo, as well as musical qualities like timbre, tone, pitch, and texture and incorporating it into songs.

Music performance

The study encompasses all facets of music across all countries and historical periods through a broad range of different approaches to music research and performance.

Music composition

The study and art of creation of new music through a variety of different forms and genres such as instrumental, vocal, and digital.

Language Arts Majors

Writing

The study of writing and the composing process, rhetoric and writing pedagogy for a variety of different platforms such as essays, reports, novels, and books.

Poetry

The study of literature that employs aesthetic and frequently rhythmic aspects of language, such as phonaesthetics, sound symbolism, and metre, to evoke meanings and emotions.

Literature

The study of literary works of the mind, of which the most popular genres or subgenres today are poetry, drama, and fiction and nonfiction and the history of the writers.

Linguistics

the study of language, which involves an examination of all linguistic components cognitive, social, environmental, biological, and structural in a methodical, objective, and exact manner.

Humanities Majors

History

The study of human civilization and how it changes over time. Including all types of change, social, political, economic, scientific, technological, medical, intellectual, religious, and cultural.

Philosophy

The study of methodical investigation and wisdom of concepts and problems and the rational pursuit of basic truths through comprehension of reality and moral principles.

Archeology

The study of history through scientific excavation of materials of the past such as artifacts, historical landmarks, bones, fossils, books, and art.

Mythology

The study of sacred tales and fables of a culture which are based on stories and traditions impacted by religion, cultural beliefs, and values through fictional and nonfictional writing.

Anthropology

The study of how human communities and cultures emerged and evolved. Including human behaviors, languages, belief systems, societal structures, institutions, and material possessions.

Sociology

The study of our society, including patterns of social relationships, social interactions and culture to understand individuals, groups and institutions through data collection and analysis.

Politics

The study of authority from national and global viewpoints. Involving comprehending groups, classes, governments, diplomacy, law, policies, political ideas, ideologies, and conflict.



Education Majors

General education

The study and practice of teaching students the understanding of general academic fields and our world to prepare them to participate fully in society.

Special education

The study and practice of educating Students in a way that accommodates their individual special needs, differences, and disabilities.

Early education

The study and practice of early education for young children teaches them fundamental skills to help prepare them for the next steps of life.

