

OBJECTIVES OF THE PROGRAMMES IN MATHEMATICS:

The objectives of our course are to prepare students for lifelong learning and successful careers using their mathematical skills and develop the skills pertinent to the practice of mathematics, including the students' abilities to formulate problems, to think creatively, and to synthesize information. It also persuades to use current mathematical concepts and data analysis techniques for problem solving. The mathematical communication skills that allow students to present information effectively and that instill our students an understanding of their professional and ethical responsibilities.

While pursuing their mathematics degree, students will be introduced to a number of interesting and useful ideas in preparation for a number of mathematics career opportunities in a discipline other than mathematics, business, government and industry.

At the end of the course, students should be able to do:

- The ability to use mathematical knowledge to analyze and solve problems
- The ability to communicate effectively in oral and written form
- Significant attainment of knowledge in at least one discipline other than mathematics
- A commitment to engage in lifelong learning

OBJECTIVES OF THE PROGRAMMES IN PHYSICS

The objectives for our degree courses give a summary of what we expect our students to have achieved through studying physics. On successful completion of any of the degree courses, our graduates should have a comprehensive knowledge and a sound understanding of physics together with the practical, analytical and mathematical skills of a physicist. They should have acquired a range of general skills, including the ability to evaluate information, to identify key issues, to solve problems, to complete a task by a deadline, to use computers with confidence, to work productively with other people, to communicate effectively and to learn independently.

At the end of the course, students should be able to:

- Demonstrate skills in scientific inquiry, problem solving, and laboratory techniques.
- Demonstrate understanding of our place in the physical universe.
- Demonstrate a broad base of knowledge in Physics and/or Astronomy.
- Demonstrate understanding of the laws of nature.

OBJECTIVES OF THE PROGRAMMES IN CHEMISTRY

- To provide a broad foundation in chemistry that stresses scientific reasoning and analytical problem solving with a molecular perspective.
- To provide students with the skills required to succeed in graduate school, the chemical industry or professional school.
- To expose the students to a breadth of experimental techniques using modern instrumentation.

At the end of the course, students should be able to:

- The student will understand the importance of the Periodic Table of the Elements, how it came to be, and its role in organizing chemical information.
- The student will understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, physics and other disciplines to a wide variety of chemical problems.
- The student will learn the laboratory skills needed to design, safely conduct and interpret chemical research.
- The student will acquire a foundation of chemistry of sufficient breadth and depth to enable them to understand and critically interpret the primary chemical literature.
- The student will develop the ability to effectively communicate scientific information and research results in written and oral formats.
- The student will learn professionalism, including the ability to work in teams and apply basic ethical principles.

OBJECTIVES OF THE PROGRAMMES IN BOTANY

Botany is not necessarily about how to grow plants or maintain a garden. Those subjects are better described as horticulture. Botany is the study of plants in context of general science. It likely will seem more theoretical and less practical than horticulture. This course should, however, be of interest and use to anyone seriously pursuing a career in general biology or horticulture or agriculture or ecology.

This course is intended to be accessible to motivated beginners (with high school level general education) and to be highly informational for those who already have some college-level science. Mathematics, chemistry, and cellular biology are utilized, but at a high school/beginners level.

At the end of the course, students should be able to:

- Know the importance and scope of the discipline
- Inculcate interest in and love of nature with its myriad living forms
- Impart knowledge of Science as the basic objective of Education
- Develop a scientific attitude to make students open minded, critical and curious
- Develop an ability to work on their own and to make them fit for the society
- Expose themselves to the diversity amongst life forms
- Develop ability for the application of the acquired knowledge in the fields of life so as to make our country self reliant and self sufficient.

OBJECTIVES OF THE PROGRAMMES IN ZOOLOGY

The specific learning goals for General Zoology are to provide students with a working knowledge of fundamental principles in zoology that will provide a foundation for their later advanced course work in more specific biological subjects. As General Zoology is a basic course, students will become familiar with animal classification schemes and associated taxonomic group diagnostic characteristics as well as developing an understanding of and ability to apply basic zoological principles.

The laboratory and lecture sections of the course are highly integrated and directed toward teaching students the principles of animal evolution, classification, form and function.

At the end of the course, students should be able to:

- To develop skill in practical work, experiments, equipments and laboratory use along with collection and interpretation of biological materials and data.
- Make aware of natural resources and environment and the importance of conserving it.
- Appreciate and apply ethical principles to biological science research and studies.
- To develop more knowledge on medical laboratory techniques ,aquaculture, sericulture , apiculture, vermitechnology. With the help of above application biology they will become self entrepreneur.

OBJECTIVES OF THE PROGRAMMES IN ECONOMICS

The field of economics is a fascinating look at what makes the world work from day to day. This includes the study of trading, growth, money, income, depression, prices, and monopoly. Economics is important in the world because it can answer questions such as What causes inflation? and Why are people unemployed? Economics includes the study of labor, land, and investments, of money, income, and production, and of taxes and government expenditures and is one of the fastest growing majors in the country. With the world continually focused on business, it takes economists to help decipher trends and to help make good financial decisions.

The economics major helps prepare you for jobs in business, government, education, and the non-profit sector. Studying economics, you will be able to develop the analytical skills needed to work successfully in the field, including the study of logical analysis

At the end of the course, students should be able to:

- Demonstrate their knowledge of the fundamental and technical concepts of economics.
- Apply the basic theories of economics in critical thinking and problem solving.
- Demonstrate an awareness of their role in the global economics environment.
- Make decisions wisely using cost-benefit analysis.
- Demonstrate a sense of responsibility and a capacity for service.
- Demonstrate a basic understanding of career options available to them and will establish career objectives.

OBJECTIVES OF THE PROGRAMMES IN COMMERCE:

The objective is to mold and prepare the students for positions of leadership in business organizations at the local, national and international levels. The capacity building of our graduates to assume productive roles are emphasized during their stay in the college and to inculcate the habit of lifelong learning. The ultimate objective is to produce commerce graduates who possess the skills, problem solving tools and professionalism essential for being successful. To impart quality and need based education our objective is to sensitize the students to their changing roles in society through awareness raising activities.

At the end of the course, students should be able to:

- Develops an ability to critically examines new developments in the field of business, trade and commerce
- Develops an attitude of realistic thinking towards new developments
- Develops a spirit of healthy competition and cooperation.
- Considers inter-dependence of nations as essential for economic growth.

OBJECTIVES OF THE PROGRAMMES IN HISTORY:

A major in history at our college will provide students with skills in historical research and analysis, an understanding of the past and in-depth knowledge of specific historical periods. As part of the history major requirements, students will develop an appreciation of other peoples and cultures in addition to Indian history, enhancing students' multicultural understanding which will prepare students for successful history careers in areas such as education, law and government, business management, writing and research.

Successful students who complete the history degree program will be able to

- Demonstrate the ability to read and write as students of history, which means that they will be able to comprehend written material, describe the relevant issues, understand the basic arguments and then defend their own positions.
- Show their familiarity with major events, personalities and issues related to the period being studied.
- Approach the literature critically, analyzing and synthesizing information to answer or produce arguments and counter-arguments within the field.
- Address the historiography of the topic, which means that they will be able to think critically about the issues and how other historians have interpreted them.
- Use historical data to make judgments on historical topics.

OBJECTIVES OF THE PROGRAMMES IN TAMIL:

The objective of the course is to promote and propagate the excelling qualities of Tamil Language, Tamil Literature, Tamil Grammar, Tamil History and Tamil Culture and to explore the greatness of Tamil's Architecture identical with Temples, palaces and monuments. It also explores the integration of the Tamils and Tamil culture over the other parts of India and abroad.

At the end of the course, students should be able to:

- Find out the natural and cultural resources of Tamils and Tamilnadu and to conserve them.
- Stage the quality art forms of the Tamils in regional national and international forums with special reference traditional plays, sports and varma.
- Educate the identical futures of life style of the Tamil tradition to the integrated Tamil and other interested area.
- Promote the traditional plastic art forms of the Tamils.
- Develop the awareness of the greatness of Tamil among other ethnic and racial people.
- Create modern methods for language teaching.

OBJECTIVES OF THE PROGRAMMES IN MICROBIOLOGY:

Microbiology is a broad science encompassing the study of bacteria, algae, protozoa, fungi and viruses in terms of their ecology, biochemistry, physiology, genetics and role in disease process. The objective of this course is to familiarize the students with those concepts that are basic to viruses and prokaryotic and eukaryotic cells.

At the end of the course student should able:

- To develop skill and acquire the necessary knowledge of teaching and productive research for solving current problems of the society in both basic and applied aspects of microbiology.
- To emphasis technological and vocationally- oriented training to enable the students acquire the microbiology knowledge and techniques necessary for industries such as breweries, food processing and preservation, water works, pharmaceuticals, medical, agriculture as well as research.
- To acquire the knowledge of Microbiology and its applications in health care delivery particularly in pathological and immunological laboratories as well as forensic laboratories and environmental monitoring.

OBJECTIVES OF THE PROGRAMMES IN BCA:

The objective of the BCA programme is to produce employable IT workforce that will have sound knowledge of IT and business fundamentals that can be applied to develop and customize solutions for Small and Medium Enterprises.

Successful completion of the course, a student will be able to:

- An ability to understand theory of Digital Design and Computer Organization to provide an insight of how basic computer components are specified.
- An ability to understand the functions of various hardware components and their building blocks
- An ability to understand and appreciate Boolean algebraic expressions to digital design
- An in depth understanding of sequential! Combinational circuits
- An in depth understanding of realization of different combinational/sequential circuits
- An in depth understanding of different stages of an instruction execution
- An in depth understanding of how different hardware components are related and work in coordination
- An ability to understand computer buses and input/output peripherals

OBJECTIVES OF THE PROGRAMMES IN COMPUTERSCIENCE:

The aim of the course is effectively communicating computing concepts and solutions to bridge the gap between computing industry experts and business leaders to create and initiate innovation and effectively utilizing their knowledge of computing principles and mathematical theory to develop sustainable solutions to current and future computing problems. The course is to exhibit their computing expertise within the computing community through corporate leadership, entrepreneurship, and/or advanced graduate study. Developing and implementing solution based systems and/or processes that address issues and/or improve existing systems within in a computing based industry.

In a self-selected area of depth in Computing, students will demonstrate a depth of knowledge appropriate to graduate study and/or lifelong learning in that area. Students should be able to read for understanding materials in that area beyond those assigned in coursework.

At the end of the course the student should able to:

- Communicate in written and oral forms in such a way as to demonstrate their ability to present information clearly, logically, and critically.
- Apply mathematical and computing theoretical concepts in solution of common computing applications, such as computing the order of an algorithm.
- Complete successfully be able to program small-to-mid-size programs on their own. Sufficient programming skills will require use of good practice, e.g., good variable names, good use of computational units, appropriate commenting strategies.
- Use appropriately system design notations and apply system design engineering process in order to design, plan, and implement software systems
- Prepare for a career in an information technology oriented business or industry, or for graduate study in computer science or other scientific or technical fields.

OBJECTIVES OF THE PROGRAMMES IN ENGLISH:

The objective of our course is to educate students in both the artistry and utility of the English language through the study of literature and other contemporary forms of culture. Graduate students who are capable of performing research, analysis, and criticism of literary and cultural texts from different historical periods and genres and to assist students in the development of intellectual flexibility, creativity, and cultural literacy so that they may engage in life-long learning.

Successful completion of the course, a student will be:

- Familiar with representative literary and cultural texts within a significant number of historical, geographical, and cultural contexts.
- Able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres.
- Able to identify, analyze, interpret and describe the critical ideas, values, and themes that appear in literary and cultural texts and understand the way these ideas, values, and themes inform and impact culture and society, both now and in the past.
- Able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.
- Proficient in oral communication and writing.

OBJECTIVES OF THE PROGRAMMES IN BBA:

The BBA learning goals specify the intellectual and behavioral competencies that graduates should possess and that provide a foundation for their future professional and personal development and success. Learning goals are general statements, so a number of measurable learning objectives are also established for each goal.

At the end of the course the student should able to:

- Develop leadership skills, creativity and entrepreneurship
- Exhibit technical proficiency in domestic as well as global business through the study of major disciplines within the fields of business and management
- Conceptualize a complex business issue and articulate into a written statement and oral presentation
- Exhibit competence in the use of technology and information systems in modern organizational operations
- Demonstrate entrepreneurial skills for creating and managing innovation, new business development and high-growth potential entity
- Further study in advanced level programs in management studies.

OBJECTIVES OF THE PROGRAMMES IN B.Com CA:

The objective is to impart education in the field of Commerce with computer application, Trade and industry. It helps to generate a pool of individuals capable of taking advantage of opportunities and facing the threats in the competitive world. The aim is to create awareness among the students about the business practices adopted by the corporate firms.

Upon successful completion of the program, student should have the skills to:

- Work effectively with a range of current, standard, Office Productivity software applications.
- Evaluate, select and use office productivity software appropriate to a given situation.
- Apply basic adult learning and assessment principles in the design, development, and presentation of material produced by office productivity applications.
- Demonstrate employability skills and a commitment to professionalism.
- Operate a variety of advanced spreadsheet, operating system and word processing functions.
- Solve a range of problems using office productivity applications, and adapt quickly to new software releases.