



ANDHRA LOYOLA COLLEGE

AUTONOMOUS :: VIJAYAWADA - 520 008

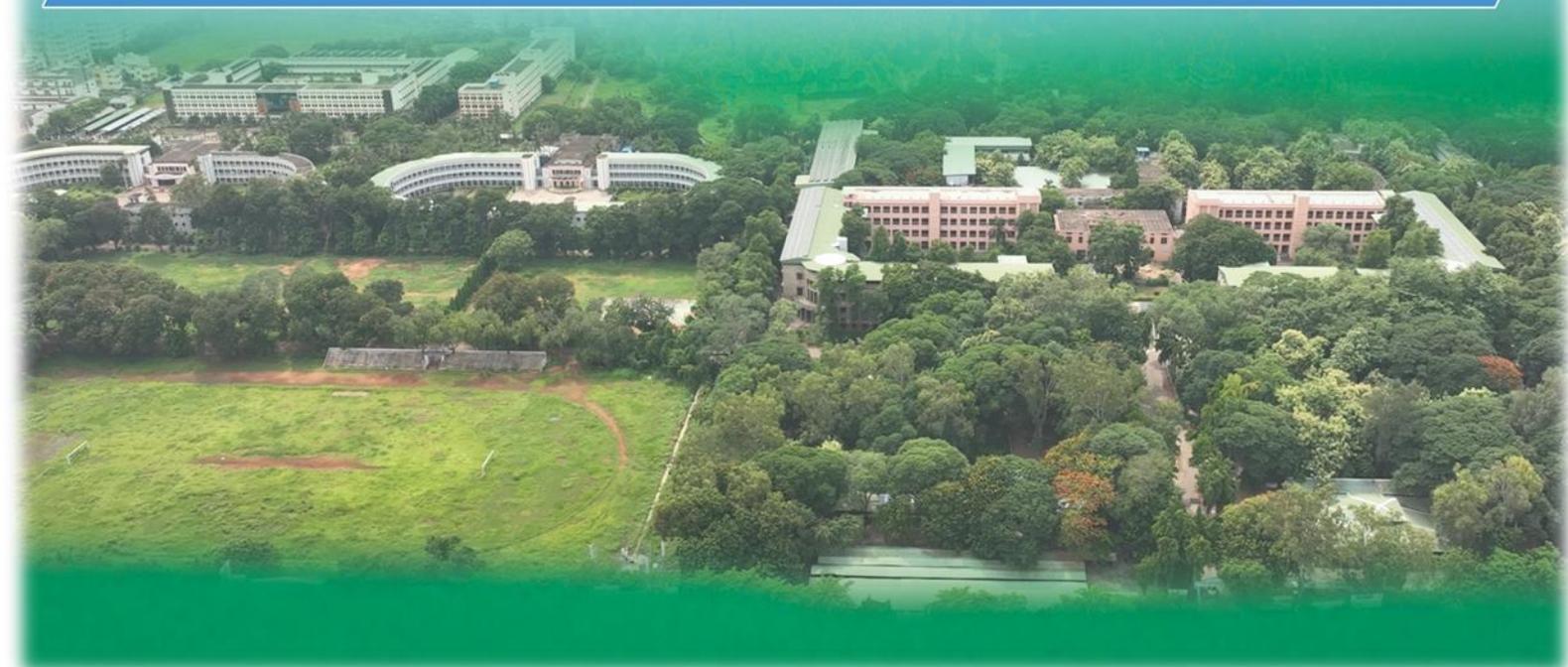
Established : 1954

A CHRISTIAN MINORITY COLLEGE WITH CONSTITUTIONALLY PROVIDED RIGHT OF ADMISSION
(AN ISO 14001 : 2015 INSTITUTION)

THE ONLY COLLEGE IN BOTH THE TELUGU STATES TO HAVE BEEN RANKED AMONG
THE TOP 150 COLLEGES BY NIRF SINCE THE INCEPTION OF THE RANKING IN 2017
SELECTED UNDER THE STAR COLLEGE SCHEME OF DBT AND FIST PROGRAMME OF DST, GOVT.OF INDIA
SELECTED FOR ENHANCEMENT OF QUALITY AND EXCELLENCE UNDER RUSA BY MHRD, GOVT.OF INDIA

PROGRAMME OUTCOMES

A College Dedicated to All-Round Development of its Students





Andhra Loyola College (Autonomous)

VIJAYAWADA-520 008.

Accredited in III Cycle at A+ Grade with a CGPA of 3.66 / 4.00

Web: www.andhraloyolacollege.ac.in e-mail: contactalc@gmail.com

STD	: 0866
Main Off.	: 2476082
Inter	: 2476965
Degree	: 2481907
P.G.	: 2474902
CoE	: 2473251
Fax (Principal)	: 2474531
Fax (Correspondent)	: 2486084

Programme Outcomes

B.A.

PO 1: Understanding the basic concepts in Political Science, History, English Literature, Economics, Mathematics, and Statistics, and recognizing their inter-relationships.

PO 2: Recognizing the complementarities between Political Science and English Literature, with an understanding of the dominant Western perspectives in political thought and the synergy between Eastern and Western literary traditions.

PO 3: Understanding public attitudes and techniques of administering them, emphasizing the significance of public administration in societal governance.

PO 4: Applying principles derived from literary movements and historical events to strengthen the study of Philosophy, acknowledging the socio-economic struggles and landmarks in history.

PO 5: Inculcating various values such as national identity, respect for freedom struggles, and responsible citizenship among students.

PO 6: Learning the pivotal role of public administration in planning and implementing welfare and developmental programs in both urban and rural areas.

PO 7: Demonstrating knowledge of literary terms, major periods, authors, and theories, along with best practices in research, writing, teaching, and the academic profession of literary studies.

PO 8: Developing the ability to analyze and evaluate economic issues, forecast future trends, and suggest policy measures for national development.

PO 9: Acquiring knowledge of international institutions, national and international trade, and social security measures, contributing to a broader understanding of global economics.

PO 10: Gaining proficiency in the collection and interpretation of primary and secondary data, along with statistical techniques for analyzing economic variables.

B.Sc.

PO 1: Acquire fundamental knowledge and understanding of theoretical concepts in the chosen disciplines (e.g., Mathematics, Physics, Chemistry, Botany, Zoology, Electronics, Computer Science).

PO 2: Develop critical thinking and problem-solving skills necessary for analyzing complex scientific problems and phenomena.

PO 3: Gain proficiency in conducting experiments, analyzing data, and interpreting results, fostering a scientific approach to inquiry.

PO 4: Understand the practical applications of scientific principles and theories in various real-world contexts, including industries, research, and daily life.

PO 5: Develop practical skills specific to the chosen disciplines, such as laboratory techniques, computer programming, statistical analysis, and data interpretation.

PO 6: Cultivate an entrepreneurial mindset and aptitude, enabling students to explore innovative career paths and pursue entrepreneurial endeavors in relevant fields.

PO 7: Foster a positive attitude towards continuous learning, research, and professional development, preparing students for further studies or employment in academia, industry, or government sectors.

PO 8: Encourage interdisciplinary thinking and collaboration, recognizing the interconnectedness of different scientific disciplines and their applications in solving complex problems.

PO 9: Promote ethical and responsible conduct in scientific inquiry and application, emphasizing integrity, accuracy, and transparency in research and professional practice.

PO 10: Prepare students for diverse career opportunities by equipping them with a broad range of analytical, technical, and communication skills necessary for success in the scientific workforce.

B.Com.

PO 1: Have a comprehensive knowledge of finance accounting, taxation and business laws transform and empower the graduates to meet global challenges through holistic education in terms of recent Teaching-Learning methodologies.

PO 2: Equip with professional interpersonal and entrepreneur skills

Groom the graduates towards excellence through building communication skills, handling leadership challenges and negotiating career path ways.

PO 3: Provides a platform for higher education or pursue professional career in the field of accounting and finance

Heighten the conscious of the graduates on socio-economic concern and to evolve it as an in-built mechanism to chisel as better human being.

PO 4: To cater to man power needs of company in accounting, taxation business law, auditing, financial analysis and management

Impart the knowledge to the graduates by blending the core areas of the subject domain in a pragmatic manner so as to emerge as efficient professionals, entrepreneurs and finance experts.

PO 5: bridge the inherent skills of graduates with the industrial expectations in the ever –changing and challenging global competitive business environment by continuously providing a comprehensive knowledge in subject domain.

BBA-Bachelor of Business Administration

PO 1: Develop proficiency in managerial and operational skills across various disciplines of business, enabling students to effectively navigate diverse organizational environments.

PO 2: Master the preparation and delivery of business documents, along with cultivating essential soft skills such as communication, teamwork, and leadership.

PO 3: Foster critical thinking, problem-solving, and leadership skills necessary to adapt to the dynamic and evolving landscape of the business world, including globalization and technological advancements.

PO 4: Acquire competencies in adapting to rapidly changing business environments, demonstrating the ability to acquire new skills and knowledge as needed.

PO 5: Cultivate ethical reasoning and decision-making skills, enabling students to identify and address ethical conflicts in business contexts while considering the needs and interests of stakeholders.

PO 6: Analyze and interpret information effectively to address complex business problems, demonstrating the ability to make reasoned decisions based on data and evidence.

PO 7: Communicate professionally and effectively in various business contexts, including written, oral, and interpersonal communication.

PO 8: Apply professional standards, theories, and research methodologies to solve business problems and optimize organizational performance.

PO 9: Demonstrate leadership skills relevant to different business domains, including supervision, decision-making, strategic planning, and team management.

PO 10: Understand and apply global business principles, including international trade, cross-cultural management, and global supply chain management.

PO 11: Develop practical skills through experiential learning opportunities, internships, and practical projects, preparing students for real-world business challenges.

PO 12: Prepare students for diverse career opportunities in business administration, entrepreneurship, consulting, finance, marketing, human resources, and other related fields.

M.Sc. – ALCMAT: M.Sc – Mathematics

Master of Science in Mathematics is a two-year degree programme which provides a strong foundation in Mathematics. Students can opt Create innovative computing solutions, mathematical models, and dynamic systems to solve problems in industries such as engineering, biology, and more . Students can choose to pursue lecturer in Mathematics, Scientific officer, General Management, Banking, Operational Research, Junior Research fellow, Data science Modelers.

Program Outcomes (PO's)

A graduate of the Master of Science Program will demonstrate:

PO 1: Knowledge: Understand the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life.

PO 2: Problem analysis: Analysed the given scientific data critically and systematically and the ability to draw the objective conclusions.

PO 3: Critical Thinking: They make reasoned decisions or judgments about what to do and think. In other words, students consider the criteria or grounds for a thoughtful decision and do not simply guess or apply a rule without assessing its relevance.

PO 4: Communication skills: Develop various communication skills such as reading, listening, speaking, etc., which we will help in expressing ideas and views clearly and effectively.

PO 5: Problem solving: Improve students' willingness to try problems and improve their perseverance when solving problems. Improve students' self-concepts with respect to the abilities to solve problems. Make students aware of the problem-solving strategies.

PO 6: Time Management: Student can get Better work-life balance, Greater focus, Higher levels of productivity, Less procrastination, Things are simpler and easier, Increased energy.

M.Sc. – ALCPHY: – Physics

Program Outcomes

The Master of Science in Physics program offers the candidate with knowledge, general proficiency, and investigative skills on an advanced level, needed in industry, education, and research.

On completion of program, the Post graduates will

PO 1: Apply the knowledge of physics to solve difficult scientific problems.

PO 2: Categorize, articulate and evaluate complex scientific problem for higher studies.

PO 3: Select, design and apply suitable experimental techniques with computational tools to solve problems of physics.

PO 4: Apply the knowledge and skill in the design and development of Electronics circuits to achieve the needs of Electronic Industry.

PO 5: apply and demonstrate the basic physics in environmental context for sustainable development.

PO 6: Become professionally trained in the area of electronics and materials characterization

PO 7: Pursue research related to Physics and Materials characterization.

PO 8: Demonstrate interpersonal and communication skills as well as a commitment to life-long learning

M.Sc. – ALCHE: Chemistry

Program Outcomes

At the end of the Program, students are able to

PO 1: Analyze the structure, bonding, spectral, magnetic and stability parameters of molecules, 4f, 5f elements and transition metal complexes

PO 2: Design the best probable mechanism for organic and inorganic reactions based on the concepts of thermodynamics and chemical kinetics and study the dynamics of chemical reactions.

PO 3: Acquire the concepts of green chemistry to design eco friendly organic synthesis to minimize environmental Pollution by chemicals, solvents and by-products formed and used in the reaction

PO 4: Understand the theoretical aspects of various separation techniques used in chemical analysis and spectroscopic techniques like microwave, IR, Raman, ESR, proton and C13 NMR, Mass, 2DNMR, ORD and CD which in turn, will enhance their capability of interpreting the spectral data obtained from various techniques and use it for structural elucidation of organic compounds.

PO 5: Develop interest and skill for generating mechanistic path for organic transformations and carry out research in new environments and to become familiar with the analytical tools available.

PO 6: Devise change the connectivity of an existing organic backbone by using reactions that result in skeletal rearrangements.

PO 7: Understand the behavior of non-aqueous solvents and different types of chemical reactions which can be studied using non-aqueous solvents.

PO 8: Imbibe concepts related to retrosynthetic technique to synthesize stereoselective, regioselective and chemoselective organic compounds having Potential therapeutic values in high yields.

M.Sc. – ALCBOT: Botany

The M.Sc. - Botany program is designed to equip students with subject domain knowledge and technical skills pertaining to plants in a holistic manner. It aims to train the students in all the areas of plant sciences with a unique combination of core and elective papers. Students have exposure to cutting-edge technologies that are currently used in the subject. They are made aware about the social and environmental issues, significance of plants and their relevance to the national economy.

Program Outcomes

Post graduate of the Botany Program will demonstrate:

PO 1: Knowledge and understanding of: 1. The range of plant diversity in terms of structure, function and environmental relationships. 2. The evaluation of plant diversity. 3. Plant classification and the flora of Andhra Pradesh. 4. The role of plants in the functioning of the global ecosystem. 5. A selection of more specialized, optional topics.

PO 2: Practical skills: Students learn to carry out practical work, in the field and in the laboratory, with minimal risk. They gain introductory experience in applying each of the following skills and gain greater proficiency in a selection of them depending on their choice of optional modules. 1. Interpreting plant morphology and anatomy. 2. Plant identification. 3. Vegetation analysis techniques. 4. A range of physiochemical analyses of plant materials in the context of plant physiology and biochemistry. 5. Plant pathology to be added for sharing of field and lab data obtained.

PO 3: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern instruments and equipments for Biochemical estimation, Molecular Biology, Biotechnology, Plant Tissue culture experiments, cellular and physiological activities of plants with an understanding of the application and limitations.

PO 4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and development of the information to provide valid conclusions

PO 5: Scientific Knowledge: Apply the knowledge of basic science, life sciences and fundamental process of plants to study and analyze any plant form.

PO 6: Problem analysis: Identify the taxonomic Position of plants, formulate the research literature, and analyze non reported plants with substantiated conclusions using first principles and methods of nomenclature and classification in Botany

PO 7: Honesty and Integrity, Ethics: Student should be aware of ethical issues and regulatory considerations while addressing society needs for growth with honesty.

PO 8: Environment and Sustainability: Understand the issues of environmental contexts and sustainable development with respect to assessment, conservation and utilization of floral diversity

MCA – ALCMCA: Master of Computer Applications

Program Objectives

- Ability to analyze real world problems, develop feasible and environmentally acceptable solutions to achieve peer recognition as an individual or in a team.
- Identify opportunity to evolve as an entrepreneur and pursue the same for the benefit of individual and society.

Program Outcomes

PO 1: Work with sustainable computing in a multi-disciplinary atmosphere challenging the trends and technologies engaging in lifelong learning.

PO 2: Utilize the computing knowledge efficiently in projects with concern for societal, environmental and cultural aspects.

PO 3: Function Competently as an individual and as a leader in multidisciplinary projects.

PO 4: Create and design innovative methodologies to solve complex problems for the betterment of the society.

PO 5: Apply the inherent skills with absolute focus to function as a successful entrepreneur.

PO 6: Apply the knowledge of mathematics and computing fundamentals to various real life applications for any given requirement.

PO 7: Design and develop applications to analyze and solve all computer science related problems.

PO 8: Design applications for any desired needs with appropriate considerations for any specific need on societal and environmental aspects.

PO 9: Analyze and review literatures to invoke the research skills to design, interpret and make inferences from the resulting data.

PO 10: Integrate and apply efficiently the contemporary IT tools to all computer applications.

MBA – ALCMBA : Master of Business Administration

Master of Business Administration is a two year professional Post graduate programme which provides enormous knowledge in various disciplines of management such as Financial Management, Human Resource Management and Marketing Management. Students can choose any management and administrative profession in various sectors such as information technology, banking and insurance, stock broking, mutual funds, hospitality, tourism, Pharmaceutical, FMCG, Retail, any field from manufacturing sector and any public sector undertaking entity. Students can opt and pursue their Doctorate in Philosophy (Ph.D) in subareas of management.

Program Outcomes

A Student of Master of Business Administration programme will demonstrate:

PO 1: Knowledge: Understanding the fundamental concepts of management such as functions of management, levels and skills of management, theories of management, Leadership and motivation and their significance in professional life.

PO 2: Awareness: Understanding the legislative and regulatory framework available for the smooth functioning of business in a lawful manner.

PO 3: Application: Recognize professional prospects outline and execute innovation in the workplace

PO 4: Communication skills: Improving proficiency in business correspondence and able to communicate with different stakeholders

PO 5: Intrapersonal skills: Ability to improve self-confidence, emotional balance, self esteem and engage in self-learning

PO 6: Analytical skills: Ability to develop analytical thinking and thought process to estimate and analyze different business scenarios and various trends in the economy to make use of various business opportunities

PO 7: Problem solving skills: Enhance competencies to adopt and face any situation in the business, formulate strategies to solve the complexities and managerial problems faced by the business enterprises

PO 8: Managerial skills: Ability to improve Conceptual, human and technical skills to perform the job in an efficient manner

PO 9: Professional skills: To improve the ability to handle, manage and learn the tactics in the management profession mainly focusing on improving leadership skills

PO 10: Ethical values: Capability to realise, examine and relate international, economic, legal and ethical aspects of business. Execute, implement and follow the organizational ethics

BMS Program Outcomes

PO 1: Understanding of Management Principles: In-depth knowledge of management theories, principles, and practices across various functional areas such as finance, marketing, operations, and human resources.

PO 2: Analytical and Quantitative Skills: Proficiency in using quantitative methods and tools for decision-making, data analysis, and problem-solving in business contexts.

PO 3: Strategic Thinking: Ability to develop and implement strategic plans, understand competitive dynamics, and make long-term decisions that drive organizational success.

PO 4: Leadership and Teamwork: Development of leadership skills and the ability to work effectively in teams, managing diverse groups and leading projects.

PO 5: Effective Communication: Strong verbal and written communication skills, with the ability to present ideas clearly and persuasively to various stakeholders.

PO 6: Ethical Awareness and Social Responsibility: Understanding of ethical issues in business, corporate social responsibility, and the impact of management decisions on society and the environment.

PO 7: Global Perspective: Awareness of global business trends, cultural diversity, and international markets, preparing graduates to operate in a globalized business environment.

PO 8: Technology Proficiency: Competence in using modern information and communication technologies for business operations, data management, and strategic planning.

PO 9: Innovation and Entrepreneurship: Encouragement of innovative thinking and entrepreneurial skills, enabling graduates to start their own businesses or contribute to the innovation processes within organizations.

PO 10: Practical Application: Ability to apply theoretical knowledge to real-world business situations through internships, projects, and case studies, ensuring graduates are job-ready.

PO 11: Lifelong Learning: Commitment to continuous learning and professional development to stay updated with evolving management practices and industry standards.

B. Voc. Program Outcomes

PO 1: Industry-Relevant Skills: Proficiency in technical and practical skills specific to the chosen vocational field, such as healthcare, information technology, hospitality, or engineering.

PO 2: Hands-On Experience: Significant practical training through internships, apprenticeships, and on-the-job training to ensure real-world experience.

PO 3: Workplace Readiness: Preparation for immediate employment in relevant industries, with a strong emphasis on meeting current industry standards and practices.

PO 4: Communication Skills: Effective verbal and written communication skills tailored to the needs of the specific vocational field.

PO 5: Problem-Solving Abilities: Development of critical thinking and problem-solving skills to address challenges and find solutions in practical settings.

PO 6: Professionalism and Work Ethics: Understanding of professional conduct, workplace ethics, and the importance of reliability and accountability in a professional setting.

PO 7: Technical Proficiency: Mastery of industry-specific tools, technologies, and methodologies required for efficient job performance.

PO 8: Adaptability: Ability to adapt to changing industry trends, technologies, and work environments.

PO 9: Teamwork and Collaboration: Skills to work effectively as part of a team, understanding the dynamics of team roles and responsibilities.

PO 10: Lifelong Learning: Commitment to continuous learning and professional development to keep up with advancements in the chosen field and enhance career growth.

PO 11: Entrepreneurial Skills: For some vocational programs, the ability to start and manage one's own business or contribute to innovation within the industry.

PO 12: Safety and Compliance: Knowledge of safety standards and regulatory requirements relevant to the vocational field, ensuring compliance and best practices in the workplace.


PRINCIPAL
ANDHRA LOYOLA COLLEGE
VIJAZAWADA-8

