



## **Employment and Entrepreneurship embedded Multidisciplinary Programmes offered in CUAP**

The following new programmes are offered in Central University of Andhra Pradesh from the Academic Year 2024-25. These programmes are Non-conventional in nature, futuristic, skill oriented and aimed at enhancing employability and entrepreneurship of the students. The student is also equipped with required skill and knowledge to pursue multi-disciplinary research at higher levels.

### **MSc Space Science and Technology**

**Duration: 2 Years (3 Semesters of Course work and 1 Semester of Project/Internship and Dissertation)**

The MSc in Space Science and Technology is an advanced programme designed to equip students with the skills and knowledge necessary to excel in space exploration and satellite technology. The programme includes courses on, Mathematical methods and computational techniques, Atmospheric science, Climate change in Arid Lands, Astronomy and Astrophysics, Big Data Analytics etc. The multidisciplinary emphasis of this programme sets it apart from conventional graduate programmes at traditional institutes. The programme bridges the gap between theoretical knowledge and practical application, preparing students for complex challenges in space science by providing specialized training and hands-on experience. With the rise of commercial space travel and more countries investing in space programmes, there is a pressing need for skilled professionals to lead innovative projects.

The programmes focus on technical skills and innovation enhances employability in these high-tech sectors like ISRO, NASA and ESA, defense contractors, and research institutions. The space industry is expected to grow exponentially, potentially exceeding a trillion dollars by 2040. This growth will create a high demand for experts in space technology, making this MSc a valuable investment for future careers individually and nationally.

### **MSc Economics and Data Analytics**

**Duration: 2 Years (3 Semesters of Course work and 1 Semester of Project/Internship and Dissertation)**

The MSc in Economics and Data Analytics is a cutting-edge programme that equips students with the quantitative skills and economic theory needed to analyze and interpret complex data and meets the rising demand for professionals who can apply economic principles and advanced data analytics to solve real-world problems. This course offers specialized training that blends economics with data science. The demand for professionals skilled in economics and data analytics is expected to grow significantly across sectors like finance, healthcare, technology, and public policy, making this MSc a valuable investment.

Students after completion are well-positioned for careers as data analysts, economic consultants, policy advisors, and financial analysts. The programmes emphasis on analytical and technical skills enhances employability in these high-demand fields.

## **MA Governance and Public Policy**

**Duration: 2 Years (3 Semesters of Course work and 1 Semester of Project/Internship and Dissertation)**

The MA in Governance and Public Policy is an advanced academic programme designed to equip students with the analytical skills and knowledge required in policy eco system. This course is crucial for preparing professionals who can effectively formulate, implement, and evaluate public policies in diverse political and institutional contexts. The demand for experts in governance and public policy is growing across with increasing global challenges such as economic inequality, environmental sustainability, and social justice and thus the need in various sectors, including government agencies, international organizations, NGOs, and the private sector.


Upon the completion of the course students can engage in careers as policy analysts, public administrators, consultants, and researchers. This programme addresses the need for skilled policy professionals, offers promising career prospects, and significantly contributes to research and societal progress.

## **MSc Geography and Geoinformatics**

**Duration: 2 Years (3 Semesters of Course work and 1 Semester of Project/Internship and Dissertation)**

The MSc in Geography and Geoinformatics is an advanced programme designed to equip students with the technical skills and theoretical knowledge needed for addressing the growing demand for geospatial expertise in sectors like environmental management, urban planning, and disaster response, to name few. It equips learners with spatial thinking skills essential for analyzing spatial data, understanding spatial relationships, and solving real-world problems. By integrating geographic principles with technological tools, this course cultivates a holistic understanding of environmental, social, and economic dynamics, preparing students for diverse career paths in urban planning, environmental management, and disaster response. As reliance on spatial data for decision-making grows, there is a pressing need for professionals skilled in geoinformatics.

The MSc Programme offers a comprehensive understanding of Geographic principles and Geoinformatics technologies, covering key topics such as GIS, remote sensing, spatial analysis and cartography. The demand for geospatial professionals is expected to rise significantly across various industries, including environmental conservation, urban development, and disaster management, highlighting the programmes value. Graduates can pursue careers as GIS analysts, remote sensing specialists, urban planners, and environmental consultants, with the programme enhancing employability through technical proficiency and applied knowledge.

  
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## **MSc Computational Social Science**

**Duration: 2 Years (3 Semesters of Course work and 1 Semester of Project/Internship and Dissertation)**

The MSc in Computational Social Science is an innovative programme and a multidisciplinary course comprising of courses on Political science, Economics, Sociology, Computer science, Statistics and anthropology and designed to equip students with the skills and knowledge to analyze complex social phenomena using computational methods. The programme combines social science theories with advanced computational techniques, covering key topics such as data mining, network analysis, agent-based modeling, and natural language processing. It bridges the gap between social science research and computational methods. This course meets the need for specialized training in computational tools and methodologies. The demand for professionals skilled in computational social science is emerging and expected to grow across sectors including academia, government, technology, and finance, highlighting the programmes career value.

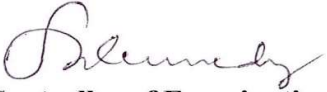
Upon the completion of the course the students can pursue careers as data scientists, policy analysts, researchers, and consultants, with the program enhancing employability through its strong emphasis on analytical and technical skills.

## **M. Com**

**Duration: 2 Years (3 Semesters of Course work and 1 Semester of Project/Internship and Dissertation)**

The M. Com programme is designed to produce competent and well-equipped postgraduates capable of making meaningful contributions to the business world, armed with both theoretical knowledge and practical experience. Over four semesters, students delve into core courses while exploring specialized electives in areas such as Accounting, Finance, Costing, Insurance, Banking, Marketing, and Supply Chain Management. Additionally, the curriculum includes emerging domains like Accounting Technology and Business Analytics, ensuring that students are abreast of current industry trends and technological advancements.

The specialized curricula underscore Central university of Andhra Pradesh dedication to equipping students with the expertise needed to thrive in modern business management. Adopting a multidisciplinary approach, the programme prepares graduates with versatile skills suitable for various roles across different sectors with advanced curricula covering Accounting Information System, Machine Learning, Block Chain Accounting, AI in Accounting and Cyber Security and Data Protection. These practical components deepen students' understanding and foster professional growth, ensuring they are well-prepared to excel in diverse professional settings, they receive Employment Opportunities, as Financial Analyst, Accountant, Marketing Manager, Supply Chain Analyst, Insurance Underwriter, Banking Professional, Business Analyst, Cost Accountant, and the multidisciplinary training also provides the skills necessary to start and manage their own businesses.

  
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## **MA Hindi (Professional and Literature)**

**Duration: 2 Years (3 Semesters of Course work and 1 Semester of Project/Internship and Dissertation)**

This post-graduation programme blends the joy of language and literature with career prospects. It exposes the students to a wide range of sub-fields considered highly relevant in academia. Deviating from traditional Hindi masters, due focus has been accorded to enhancing the employability of the students. In addition to the teaching profession, the students opting for this programme can also find job opportunities in government institutions as Rajbhasha Adhikari (Official Language officer) and private firms as language consultants. Special attention has been given to enabling the students technologically so that the latest technological developments do not become an impediment to their advancement. Translation which is intellectually stimulating and economically rewarding has received attention in this PG programme.

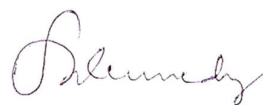
New developments in streams of Social Science, Science and Technology have kept diversifying the academic disciplines including language literature. Reflecting these new developments, the post-graduation programme in Hindi ensures knowledge dissemination as well as skill development of the students so that the students opting for them grow as informed and employable citizens. Since Hindi is a National Language and the Proposed translation of works published in regional languages into Hindi generates abundant opportunities for people proficient in the language. Further, in fields such as education, journalism, translation, publishing, and government services, having an advanced degree in Hindi can be advantageous. Courses like Hindi Language Technology, Professional Hindi and Application of Translation tools etc. open a wide range of job opportunities for students studying at CUAP.

## **MA Telugu**

**Duration: 2 Years (3 Semesters of Course work and 1 Semester of Project/Internship and Dissertation)**

MA Telugu is a PG Programme offered by the Department of Telugu, Central University of Andhra Pradesh. In an era where languages face threats of extinction, MA Telugu programme was designed to contribute to the preservation and promotion of the language by deepening students' understanding of its grammar, syntax, literature, and cultural nuances. Spanning over four semesters, it offers a structured academic environment for students to explore various aspects of Telugu language, literature, linguistics, history, and culture. Through coursework, research, and discussions, students gain a deeper appreciation and critical understanding of the language's evolution and its significance in various contexts. The curriculum of the programmes is designed in a way to equip students with the new-age skills required for the current job market.

With the growing trends of globalization and technological advancements, efforts are also being made to preserve and promote the local languages as part of Indian Knowledge systems. Proficiency in a local language not only creates opportunities within the country but also paves the way through the diaspora communities. Apart from traditional job demands like writers, editors, translators etc., MA Telugu graduates will also be in demand for creative activities like content creation, interdisciplinary research etc.



Proficiency in Telugu language and literature opens up diverse career opportunities. Graduates of MA Telugu programme can pursue careers as educators, translators, writers, journalists, linguists, and cultural researchers, or work in government agencies, NGOs, publishing houses, and media organizations where proficiency in Telugu is required. With adaptability to emerging technologies, continuous learning and a proactive approach, the MA Telugu programme will have a significant role to play in the future.

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