



# **School of Commerce Finance and Accountancy**

## **CURRICULUM DOCUMENT**

### **Bachelor of Commerce**

**(Applied Finance & Analytics/ Honours/ Honours with  
Research)**

**Batch 2024-25**

**CHRIST (Deemed to be University) Delhi-NCR**

## **Program Overview**

The BCom (Applied Finance and Analytics) programme formerly known as BCom (Honours) is designed with a dual focus of applying knowledge of Finance and the knowledge of analytics in real world situations. It's unique '*Applied*' course design helps a learner to learn by doing. It is best suited for students who wish to master the knowledge of finance and at the same time acquire skills to embrace an artificial intelligence enabled future.

The course on the Finance front, is carefully designed to give students the knowledge and skills to be employed in various finance related roles by combining the knowledge of finance, economics, accounting and quantitative techniques. Students will learn to analyse financial data with the backdrop of economic trends and develop financial models to cater to the needs of business. From the first year of the programme, students are exposed to real time industry environments through industry integrated capstone projects. Students learn advanced courses across finance catering to careers in Corporate Finance , Mergers and Acquisition , Business Valuation and Modelling, Investment Management, Risk Management , Financial planning , Private equity, Wealth management and Management Consulting. These courses are benchmarked with professional qualifications such as CFA, FRM, LOMA and help them to clear to Level 1 of these qualifications effortlessly.

On the Analytics front, students will learn to code, programme and handle complex data sets with algorithms. They'll learn to use tools such as Python, R, VBA, Power BI,SQL and will develop skills to interpret and convert data into valuable insights and use them to create business strategies and drive business decisions. They will also learn a few courses pertaining to data science techniques such as predictive modelling, optimization techniques , advanced statistics and machine learning. At the end, students learn about visualisation and presentation of insights. These courses are benchmarked against industry standard certifications in analytics such as Microsoft Certified Data Analyst and IBM Data Science Professional Certificate.

During the course of study, students are exposed to foundational subjects such as Economics, Accountancy, Taxation, Business Regulations, Marketing , Human resource management and Risk management . The domain insights gained through these foundation level subjects help a learner to combine this domain knowledge with analytics for e.g., using Marketing domain insights for Social media /Web analytics or for taking better strategic financial decisions.

The course is systematically designed with capstone projects specifically to cater to analytics based courses in various domains such as -Retail, Web and social media, Supply chain and logistics , Health care, Banking, Insurance, Finance and Accounting and start-ups where industry partners mentor and evaluate the projects along with faculty mentors.

A hands-on learning environment coupled with innovative teaching practices and business simulation games makes the programme fun to explore, learn and excel. At the end of the programme, the *student is ready to face the futuristic world with two powerful skill sets pertaining to a highly growing field of Finance + Analytics.*

### **Programme Outcomes**

**PO1:** Apply knowledge of core disciplines of commerce to support strategic decision-making and fulfilment of business goals.

**PO2:** Create, design, and develop business ideas into value-generating enterprises.

**PO3:** Demonstrate holistic values, skills pertaining to physical and emotional well-being, moral principles, and community engagement skills in both personal and professional life.

**PO4:** Apply a multi-disciplinary approach to gain a deeper understanding of concepts, drive new business initiatives and solve complex problems creatively.

**PO5:** Evaluate investing and financing strategies to meet specific financial goals

**PO6:** Use analytical tools and techniques to evaluate financial data, conduct financial analysis, and make informed business decisions.

**PO7:** Apply data analysis methods, including statistical analysis, data visualisation, and predictive modelling to facilitate corporate decision making.

## **PROGRAMME STRUCTURE**

### I Semester

Course Code	Course Title
	English
COAF101-1	Financial Accounting
COAF102-1	Business Economics
COAF103-1	Legal Aspects of Business
	Interdisciplinary/Multidisciplinary
COAF161-1	Spreadsheet for Business
	HED
	Environmental Studies
COAF001-1	Bridge Course

### II Semester

Course Code	Course Title
	English
COAF104-2	Practices of Banking and Insurance
COAF201-2	Corporate Accounting
COAF105-2	Corporate Finance
COAF202-2	Corporate Law and Administration
	Interdisciplinary/Multidisciplinary
COAF261-2	Business Data visualisation
	HED
	Indian Constitution
Internship of 4 credits (two months) in case of exit	

### III Semester

Course Code	Course Title
	Language
COAF106-3	Python for Analytics
COAF107-3	Business Statistics & Mathematics
COAF108-3	Business Analytics
	Interdisciplinary/Multidisciplinary (Swayam )
COAF262-3	Community Engagement (Service Learning)
	HED
COAF181-3	Yoga and mental well being
	TOTAL

### IV Semester

Course Code	Course Title
	Language
COAF203-4	Introduction to Machine Learning
COAF204-4	Financial System & Services
COAF205-4	Cost & Management Accounting
COAF206-4	Entrepreneurship (Submission Paper)
	HED
COAF182-4	Healthful Living
Internship of 4 credits (two months) in case of exit	

### V Semester

Course Code	Course Title
COAF301-5	Investment Management
COAF109-5	DBMS & SQL
COAF207-5	Taxation - I
COAF208-5	Research Methodology
COAF381-5	Summer Internship Project

### VI Semester

Course Code	Course Title
COAF302-6	Deep Learning & NLP
COAF203-6	Risk Management & Derivatives
COAF209-6	Taxation - II
COAF303-6	Research Work
COAF304-6	Business Ethics and Corporate Governance

### VII Semester

Course Code	Course Title
COAF305-7	Equity Research & Financial Modelling
COAF306-7	Advanced Corporate Finance
COAF210-7	Financial Technology
COAF211-7	Applied Econometrics
COAF212-7	Financial Planning & Wealth Management

### VIII Semester

Course Code	Course Title
COAF213-8	Alternative Investments
COAF307-8	Behavioural Finance
COAF401-8	Artificial Intelligence and Computer Vision
COAF308-8	Fixed Income Securities

COAF402-8	Algorithmic Trading
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**BCom (Honours with Research)**

**VII Semester**

<b>Course Code</b>	<b>CourseTitle</b>
COAF403-7	Advanced statistics for Research
COAF404-7	Qualitative Research Methods
COAF309-7	Applied Econometrics
COAF405-7	Advanced Research Methodology
COAF481-7	Research Dissertation

**VIII Semester**

<b>Course Code</b>	<b>CourseTitle</b>
COAF406-8	Data Analysis Using Software
COAF310-8	Research Ethics
COAF407-8	Artificial Intelligence and Machine Learning
COAF408-8	Research Dissertation