KUMARAGURU
COLLEGE OF LIBERAL ARTS AND SCIENCE

KCLAS

Bachelor of Science in
Data Science

The
Legacy of KCLAS

Kumaraguru College of Liberal Arts and Science,Coimbatore established in 2018 is affiliated to **Bharathiar University**. KCLAS emerged from a rich legacy, strong vision and great commitment of **Kumaraguru Institutions**. The magnificent campus and the edifice, enormous reputation and robust departments emerged from the dynamic vision of the Founder Chairman, Dr.N.Mahalingam, a visionary educationist. KCLAS is part of the Kumaraguru Institutions which includes **Kumaraguru College of Technology, KCT Business School, Kumaraguru Institute of Agriculture and Kumaraguru School of Business** has exemplified in the inter-disciplinary approach.

Bachelor of Science in
Data Science

BSc in Data Science at KCLAS equips students with the skills and knowledge needed to harness the power of data for informed decision-making. Through a combination of statistical analysis, programming, and machine learning techniques, this program prepares individuals to extract valuable insights from large datasets, tackle complex problems, and contribute to advancements in diverse fields such as business, healthcare, technology, and more.

DATA SCIENCE

Dynamic
B.Sc Data Science Curriculum

KCLAS CORE

The curriculum, which is approved by Bharathiar University is designed to provide a comprehensive exploration of economic theories, principles, and applications, equipping you with the analytical tools and critical thinking skills necessary to navigate the complexities of our globalized society.

Semester 1	Language I, English I, Computing Fundamentals & Python Programming, Database Management System, Python Programming & SQL Lab.
Semester 2	Language II, English II, Data Analytics, Advanced Excel Lab, Internet Basics Lab and Overview of English Language Communication Assessment & Certification*
Internship	
Semester 3	Language III, English III, Data Engineering, Artificial Intelligence, Applied Data Structures, ETL Lab and Fundamental of coding & cloud computing*
Semester 4	Language IV, English IV, R Programming, Machine Learning Technique, R Programming Lab and Aptitude and Reasoning*
Internship / Project	
Semester 5	Data Visualization, Deep Learning, Data Visualization Lab and Android app development*
Semester 6	Natural Language Processing, Natural Language Processing Lab, Project Work Lab and Data analytics and Machine Learning*
Capstone Project	

*Offered by Industry partners - Cambridge English, Smartbridge, Veranda Learning, and Google Salesforce.

Electives

Group I	Marketing Analytics, Data Security and Compliance, Computer Vision
Group II	Supply Chain and Logistics Analytics, Business and Financial Analytics, Recommender system
Group III	HR Analytics, Data Mining, Big Data and Cloud Computing

Advanced
learning and experiences

As you progress in your B.Sc Data Science at KCLAS, you have the opportunity to take advanced courses that delve deeper into specific areas of economics or related fields. The availability of advanced courses can vary depending on your choice of pathways, interest, and the specialization options we offer.

Pathway	Advanced Learning Themes
Global Pathway	International Immersion to USA / Europe / Australia. National Study Programme. Outbound Leadership Training 4 Micro Credential Courses offered by the industry. Global Learner License for International Online Courses (COURSERA)
Pathway 1	International Immersion To Middle East / Southeast Asia	Work In Lieu Courses	International Curriculum	International Peer Engagement	Ai Progression Tracking	Protosem For Career Pathways On International Thrust Areas	Foreign Language Certification- International Project /Internship Experience	Cohort Specific Exposure On Emerging Trends	Country Specific Awareness Sessions	Preparation For TOEFL / IELTS	Support For Multi-Disciplinary Specialization	Outbound Leadership Training	Global Learner License
Pathway 2	National & Regional Study Programme	Outbound Leadership Training	Cohort Specific Specialization Through Additional Credits	Prototype Semester For Career Pathway On National Thrust Areas	Progression Tracking With AI	Training On Transferable Skills For Higher studies Or Intrapreneurship	Support For Ip & Patent Filing	Participation In National Events, Competitions, Hackathons, Techfest	Domain Specific on Campus Industry Internships With Stipend (Based On Performance)- Global Learner License

Partners: IBM |Salesforce | Microsoft | Amazon | Google | Cambridge | JCU | Forge | NUS | Coursera

KCLAS LIBERAL EDGE

Study the Liberal Arts Alongside Your **Data Science** Degree

Combining a BSc in Data Science with a study of liberal arts offers a holistic educational experience that bridges the technical expertise of data science with a broader understanding of societal, ethical, and cultural contexts. Liberal arts education fosters critical thinking, effective communication, and a well-rounded perspective, which are invaluable complements to the quantitative and technical skills acquired in data science. The interdisciplinary approach allows students to not only excel in data analysis and programming but also to contextualize their findings within the complexities of human behavior, ethical considerations, and the broader impact on society.

Explore diverse domains beyond the boundaries of **Data Science**

Entrepreneurship & Family Business	Environment	Fashion and Textiles	Wellness
History and Philosophy	Science and Technology	Public Policy and Governance	Music and Art
Global Culture & Languages	Empowering Community	Communication	Heritage

Power your
Future

Leap to Advanced Degrees

After completing BA in Political Science, students can pursue various master's programs to further specialize in their field.

Master of Science (MSc) in Data Science/ Master of Business Administration (MBA) in Business Analytics/ Master of Computer Science (MCS) with a Specialization in Data Science/ Master of Information Technology (MIT) with a Focus on Data Analytics/ Master of Engineering (MEng) in Data Science and Engineering/ Master of Statistics or Applied Statistics/ Master of Artificial Intelligence (MAI)/ Master of Information Management (MIM) with a Concentration in Data Science/ Master of Public Health (MPH) with a Concentration in Health Informatics/ Master of Applied Mathematics with a Concentration in Data Science/ Postgraduate Diploma in Data Science

Careers Trajectories of
Data Science

Government Agencies
Public Policy Analyst, Intelligence Analyst, Criminal Justice Analyst

Private Corporations
Data Scientist/Analyst, Business Intelligence Analyst, Machine Learning Engineer, Data Engineer, Predictive Modeler, Big Data Engineer, Healthcare Informatics Analyst

Government
Data Analyst/Scientist, Policy Analyst, Cybersecurity Analyst

Non-profit Organizations
Data for Good Analyst, Program Evaluator

Entrepreneurship
Consultant, Startup Founder/Co-founder, Product Development

Our Alumni
Embark on a journey of inspiration and excellence as our alumni, globally dispersed, pursue advanced studies in prestigious universities worldwide. Our graduates, now enrolled in top-tier master's programs, stand as living testaments to the caliber and global recognition of the education we provide.
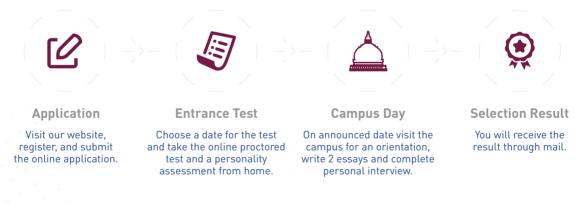
41%in top 300 QS Universities

Eligibility

State/CBSE/ISC/ Other Indian Boards: Candidates must have completed 10 + 2 years from any recognized board with any stream (preference for Maths) with 80% marks in 12th.

Cambridge/ International Board: Eligibility is according to AIU Stipulations. Admission will be confirmed only on submission of Equivalency Certificate from AIU.

IB Board - Must have 3 HL and 3 SL with 24 credits. GCE / Edexcel - Must have a minimum of 3 A levels grade not less than C.

Your Route to the B.Sc Data Science Experience at KCLAS

Selection Process

Our streamlined admission process ensures a seamless transition into our vibrant KCLAS community. From application to enrollment, we are committed to providing you support in every step.

Application
Visit our website, register, and submit the online application.

Entrance Test
Choose a date for the test and take the online proctored test and a personality assessment from home.

Campus Day
On announced date visit the campus for an orientation, write 2 essays and complete personal interview.

Selection Result
You will receive the result through mail.

SCAN TO APPLY

Where you want to BE.

VISIT
kclas.ac.in