

### **ACHARIYA ARTS AND SCIENCE COLLEGE**

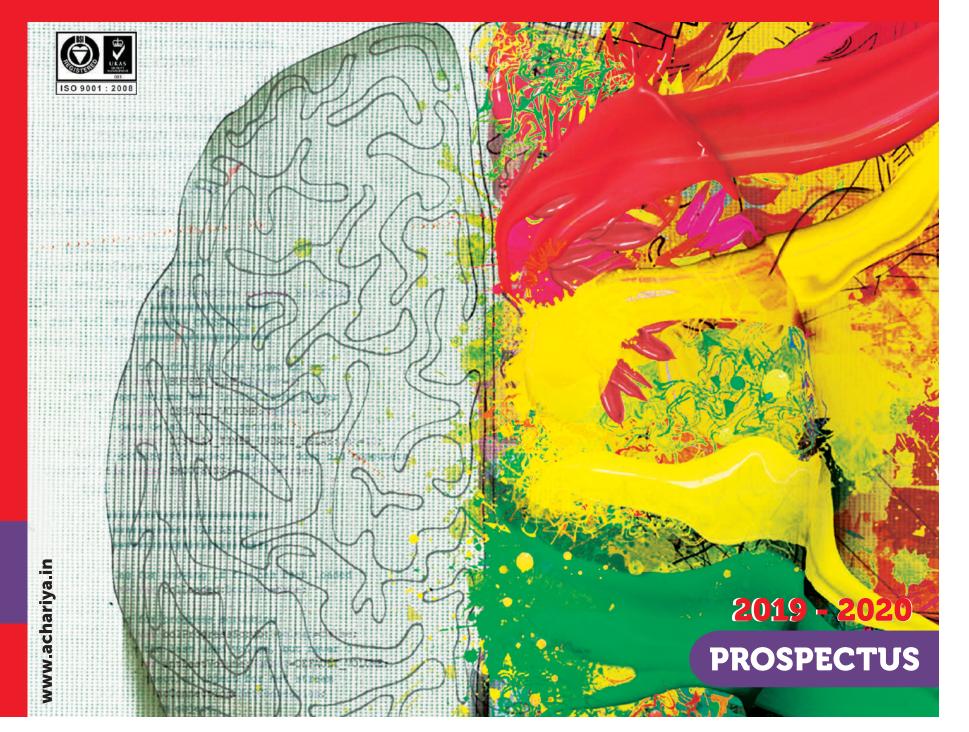
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### **ACHARIYA GROUP OF EDUCATIONAL INSTITUTIONS**

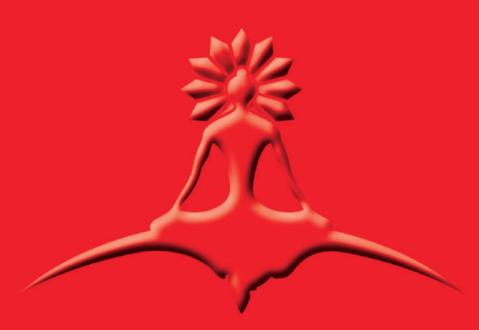
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# FROM THE CHIEF MENTOR'S DESK

As the Chief Mentor, I am pleased with the response from the parents and my beloved students for having chosen ACHARIYA.

ACHARIYA ARTS AND SCIENCE COLLEGE – a College, unique in all aspects is a place for your placement and has been accredited with ISO 9001:2000 certification by BSI Management system.

The Educational Design, Methodology, Infrastructure and systems adopted in ACHARIYA focus entirely on the holistic development of your personality and Educational career.

I believe that the highly motivated and well trained teaching faculty and the intellectual environment with serene beauty added to it will be the ideal college that you can choose for your success in life.

Dear Students, choose ACHARIYA to give yourself a life of abundance and choice. I am happy to welcome you to the family of ACHARIYA.

With love

J. ARAWINDHAN

Chief Mentor

Achairya Group of Educational Institutions.





The demand for trained manpower for the industry and the increasingly competitive scenario in the business world have created a need for quality business education at the graduate level. The degree of Bachelor of Business Administration provides a broad and comprehensive learning of the conceptual skills necessary for a future business leader. BBA is also a very valuable learning for future entrepreneurs and self employment. It allows an extended period of exposure to business problem and identification processes. We all know that the job market is very practical oriented and that is why professional degrees such as BBA are gaining more importance and popularity.

The Degree helps the graduate to fulfill the requisites for high earning, increased responsibility and greater personal development; the present decade has been labeled as the era of business administration and business graduates.

### **ELIGIBILITY FOR ADMISSION**

Candidates shall be required to have passed Higher Secondary or its equivalent Examination from any recognized Board of Examination are eligible.

### **CAREER AND HIGHER STUDIES**

A Graduate in Business Administration has wide opportunities in various firms as:

- Human Resource
- Administrative Manager
- Overseas Appointment

After completion of graduation in Business Administration, Students can pursue various Professional courses such as:

- A.C.S.
- M.C.A. M.Com.
- ICWA • M.B.M. • C.A.
- L.L.B

# **B.Com** Commerce

The programme is intended to prepare students with a good grounding in various fields of business studies such as Economics, Accounting, Management and Marketing. The program equips graduates with the ability to identify, analyze and solve complex business problems. Whether you work in a large Multinational Corporation, a Government agency or a small company, accountants play a pivotal role in advertising senior management on the financial direction of the enterprise.

### **ELIGIBILITY FOR ADMISSION**

Candidates shall be required to have passed Higher Secondary or its equivalent Examination with Accountancy as one of the subjects.

### LATERAL ENTRY

Candidates who have passed in the first attempt in the Diploma in Commercial Practice of three years duration conducted by Directorate of Technical Education Govt. of Tamil Nadu are eligible for admission to the II year B.Com upto 10 % of the sanctioned strength and should not exceed the sanctioned strength.

# B.Com. **Corporate Secretaryship** Front and Loss Accounts of Gamesh co. Lite for the year and Amount B 500 6,500 Industrial Buyers Public Accountant Credit officer

The programme aims to provide students with a sound knowledge about the issue of corporate administration and corporate secretaryship. It also enables the students to develop the core skills for responsible corporate management in both the strategic and functional context. It also makes the students well versed in the recent trends in a few areas of interest such as Labour Legislation, Company and Taxation.

### **ELIGIBILITY FOR ADMISSION**

Candidates shall be required to have passed Higher Secondary or its equivalent Examination.

### **CAREER AND HIGHER STUDIES**

A Graduate in Commerce or Corporate Secretaryship can hold the position like :

- Commodity Dealer
- Trader
- Internal Auditor
  - Auditors
- Security Dealer
- Cost Accountant
- Financial Analyst
- Payroll Manager

After Completion of Graduation in Commerce or Corporate Secretaryship, students can pursue various Professional courses such as:

• M.C.A. • M.B.M. • M.H.R.M. • M.Com • C.A. • A.C.S • ICWAI • B.L.

## B.Sc. **Mathematics**

Mathematics is the queen of Science. Mathematics is among the most fascinating of all intellectual disciplines, the purest of all art forms, and the most challenging games. Mathematics is a powerful tool for solving practical problem and highly creative field of study, combining logic and precision with intuition and imagination. The basic goal of Mathematics is to reveal and explain patterns whether the pattern appears as electrical impulses in an animal's nervous system, as fluctuations in stock market prices, or as fine detail of an abstract geometric figure.

### **ELIGIBILITY FOR ADMISSION**

Candidates shall be required to have passed Higher Secondary or its equivalent Examination with Mathematics as one of the subjects. (Business Mathematics not eligible)

### **CAREER PROSPECTS**

Mathematics plays a major role in Astronomy, Chemistry, Physics, Computer Science, Economics, Engineering, Statistics, Biology, Geophysics, Oceanography, Meteorology, Linguistics, Cryptology, Seismology and Ecology. After successful completion of under Graduation in this field, Students have wide job in the following fields:

- Research analyst actuary
- Air traffic controller
- Applied science technologist
- Economist mortgage researcher
- Numerical analyst systems engineer Teacher: Science/Maths/computer
- Production support specialist
- Cost estimator / analyst
- Database manger
- Physicist
- System programmer
- Production manager Financial auditor
- Public health statistician
- Consumer loan / credit officer
- Operation research analyst Technical writer

 Inventory control specialist ISO 2000 specialist

Software development specialist

Biometrician / biostatistician

Computer programmer

• Financial consultant

Risk analyst

Statistician

Mathematician

- Financial manager
- Mathematics is often done in conjunction with another field: Biology, Physics, Economics or a host of others.
- Mathematical modeling is used to solve real problems in variety of fields.
- Statistics is a growing field, particularly in those fields dealing with human behaviour.
- Many topics in "pure maths" have important application in computer science.
- There is a national shortage of teacher in all the mathematical science (pure maths, applied maths, statistics and computer science) at all levels, so any of these fields goes well with teaching and / or research.

A Mathematics graduate may have higher studies in various disciplines such as:

M.Sc. Mathematics, M.Sc. Applied Mathematics, M.Sc. Statistics, M.Sc. Operation Research, M.C.A, B.Tech, PGDCA, PGDOR, Master of Science in Research (M.S), M.Sc., (Theoretical Computer Science).

# **B.Sc.**Computer Science

Computer Science is one of the largest fields where new ideas are introduced day by day. The goal of the computer Science department is to help one to acquire knowledge, skills and attitude to succeed as a scientist in the field of computation, either by launching a career in an industry built on computing technology or by joining a graduate programme on the way to research in this field.

### INFRASTRUCTURE FACILITY

The best of Laboratory facilities required for the Programme with the latest and modern equipments are made available to have an advanced practical experience in the laboratory. The Lab contains Hi-Speed Internet Facility through LAN and Wi-Fi connectivity.

### **ELIGIBILITY FOR ADMISSION**

Candidates shall be required to have passed Higher Secondary or its equivalent with Computer Science/ Mathematics / Business Mathematics as one of the subjects.

### **Lateral Entry**

Candidates who have passed Diploma in Computer Science / Computer Technology / Information Technology/ Computer Application in I class (10+3 years of study are eligible to apply for the lateral entry to the II year of the course subject to availability of seats but limited to 10 % of the sanctioned intake. However the total strength should not exceed the sanctioned strength.

# **BCA Computer Applications** Students of Computer Applications will learn techniques and tools enabling them to become experts in Computer Software Development areas like Programming, Data Communications, Database Systems, Accounting and Management, Marketing, Finance, Economics, Testing, Web Development, E-Publishing, Multimedia, Artificial Intelligence, Telecommunications, Engineering firms, Aircraft Manufacturing and Maintenance, Pharmaceutical Manufacturing and Development and Research in all fields. **ELIGIBILITY FOR ADMISSION** Candidates shall be required to have passed Higher Secondary or its equivalent Examination with Computer Science / Mathematics / Business Mathematics as one of the subjects.

# B.Sc. **Information Technology**



Information Technology is the study, Design, Development, Implementation and Support Management of Computer-Based Information systems. The influence of IT pervades nearly all industries and sectors in our economy. IT is also an umbrella term to identify those industries that produce specific information technology goods and services. Examples- IT industries include computer and related services such as Software Development or Computer Business Consulting Services. It also includes manufacturing of Computers and IT related equipments such as computer parts and components.

ELIGIBILITY FOR ADMISSION

Candidates shall be required to have passed Higher Secondary or its equivalent Examination with Computer Science / Mathematics / Business Mathematics as one of the subjects.

### **CAREER PROSPECTUS**

A Graduate in Computer science or Computer Applications or information Technology can hold the positions like Junior Programmer, Web Designer, Multimedia Designer, Database Administrators, Network Administrators, System Administrators, Search Engine Optimist, Proof Readers, Quality Controller & Industrialists. After successful completion of Under Graduation in these fields, students have wide opportunities in the major MNCs and Software Development concerns. These graduates can also pursue their higher studies in the following disciplines:

\*B.Tech. \*M.C.A. \*M.B.A. \*M.Sc. Computer Science \*M.Sc. Information Technology \*M.Sc. Software Technology \*M.Sc. Software Engineering

# B.Sc. **Biotechnology**

Twentieth century was Biotechnology research centric. Twenty First century is Biotechnology business and profit centric. Biotechnology is a trans disciplinary and multi-speciality subject. Biotechnology is the symbiotic product of four subjects namely Microbiology, Molecular Biology, Genetic Engineering and Biochemistry. Some of the specializations are Industrial Biotechnology, Medical Biotechnology, Agricultural Biotechnology, Environmental Biotechnology and Marine Biotechnology. The Very fact that many biotech companies have been listed in Bombay Stock Exchange and National Stock Exchange reveals that this subject is a rapidly evolving field.

### **ELIGIBILITY FOR ADMISSION**

Candidates shall be required to have passed Higher Secondary or its equivalent Examination with Biology, Botany and

Zoology, Microbiology, Biochemistry or Biotechnology.

### **INFRASTRUCTURE FACILITY**

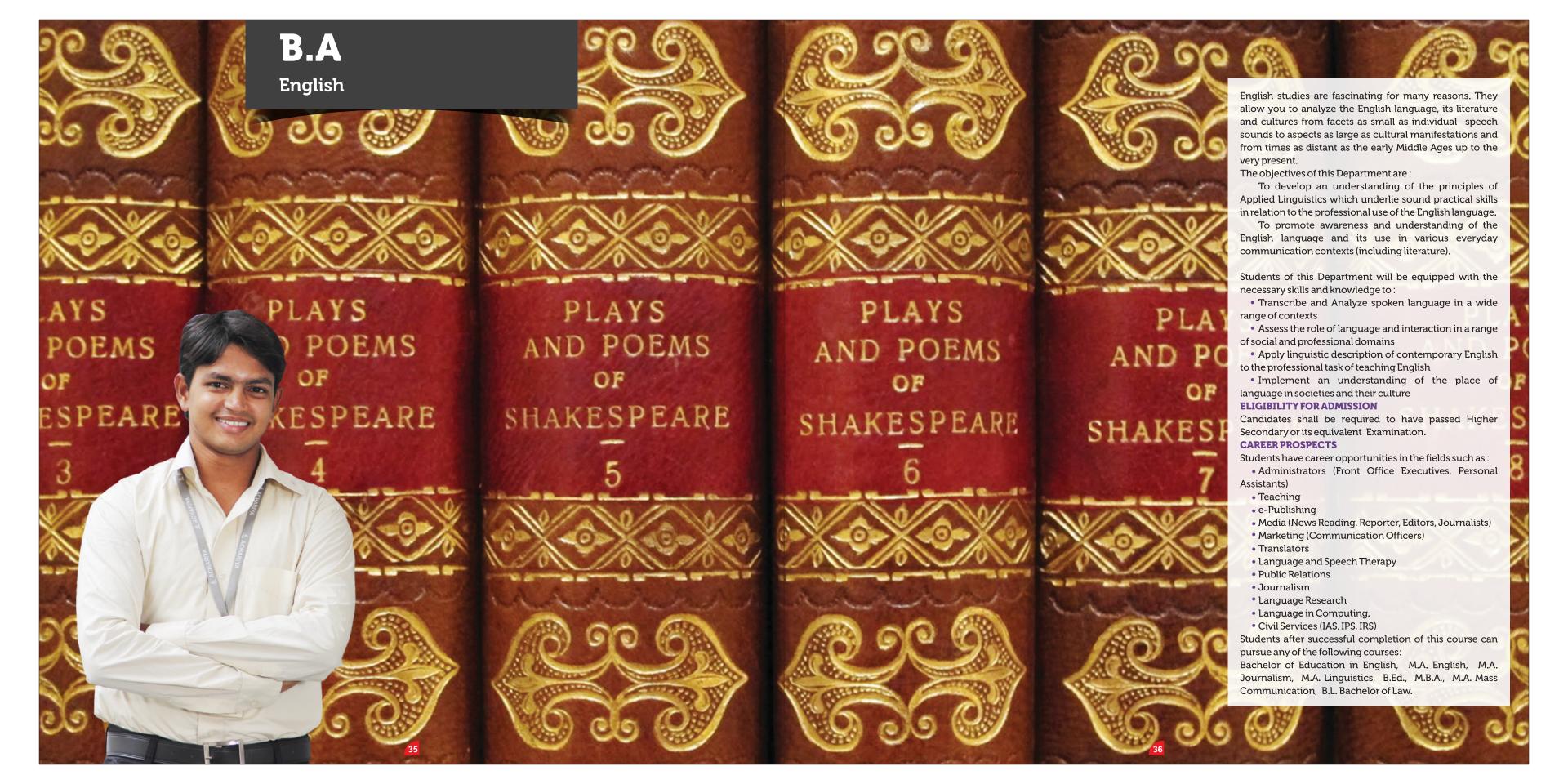
Hi-tech equipments, sophisticated ambience and continuous maintenance form the basis of the 'State-of- the art' facilities available in the biotech lab. The computer system and the software enable the students to gain practical and theoretical knowledge in Bioinformatics, Molecular Biology, Genetic Engineering, Biostatistics etc. The 'wet-lab' is supported by the 'netlab'. The Electrophoretic instruments, spectro photometers and the gel documentation system are routinely used by the students. The isolation, purification, observation and estimation of DNA, RNA, Proteins and Enzymes are carried out in the weekly practical classes.

### **CAREER PROSPECTS**

Students after Completion of this Course have wide opportunities in the following areas:

- In Production Units of Industrial Enzymes and speciality chemicals Pharmaceutical Companies
- In Bio Process Engineering and Down Stream processing units •As project and product developers in Biotech Industries • As Technical Managers in the Biotech Service Sector.
- As Quality Control Managers As Drug Designers
- As Faculty Members in Colleges and Universities. After successful completion of Graduation in Biotechnology, students have Opportunities to pursue any one of the following courses:
- M.Sc. Biotechnology
  - M.Sc. Bioinformatics
- M.Sc. Computational Biology M.Sc. Biochemistry and Molecular Biology
- M.Sc. Nano Biotechnology M.Sc. Genomics
- M.Sc. Human Genetics
  - M.Sc. Biochemical Technology
- P.G. Diploma in Intellectual Property Rights
- P.G. Diploma in Biotechnology







The main objective of this programme is to equip the students with necessary conceptual, entrepreneurial and analytical skills required for handling the Business operations, particularly in International Business. The curriculum focuses on the applied aspects of Business Operations. The Curriculum of Commerce Education has undergone drastic changes since the forties. Keeping in view the requirements of business and industry, our Department has tried to introduce some innovation in the syllabus by incorporating topics related to recent developments. There are core topics such as Business Economics, Accountancy, Industrial Organization and Management, Banking Theory, Auditing, Cost Accounting and Management Accounting and some of their variant forms.

### **ELIGIBILITY FOR ADMISSION**

Candidates shall be required to have passed Bachelor of Commerce or Bachelor of Corporate Secretaryship/B.B.A for SC/ST, 45% for OBC & 50% aggregate for general Category.

### **CAREER AND HIGHER STUDIES**

After completion of Post Graduation in Commerce, students have opening in various fields:

Banks

- Financial organizations
- Public sector Enterprises
- Industrial Houses
- Business Houses

- Export Companies
- Multinational Companies
- Marketing Organizations

Students after completion of M.Com. can pursue any of the following courses like:

- M.Phil.
- Ph.D.
- M.B.A.
- M.H.R.M.
- ICWA

CA





## **OUR PRESTIGIOUS RECRUITERS:**



