



# ST ALOYSIUS COLLEGE (AUTONOMOUS) MANGALURU - 575 003

Reaccredited by NAAC with 'A' Grade  
Recognized as 'College with Potential for Excellence' by UGC

## Prospectus 2016-17 Post Graduate Courses



## Welcome to St Aloysius

College re-accredited with 'A' Grade by NAAC  
with a grade point average of 3.62

## St Aloysius INSTITUTIONS TELEPHONE NUMBERS

(STD Code 0824 ISD Code: 0091)

College	: 2449700 / 01
Principal	: 2449703
Fax	: 2449705
Rector	: 2449702
Jesuit Residence	: 2449706 / 07
Registrar	: 2449745
Finance Administrator	: 2449746
Vice Principal - Arrupe Block	: 2449743
Evening College Principal / Office	: 2449714
Library	: 2449708
PG - Office	: 2449709
Alumni Association (SACAA)	: 2449710
Beeri Campus Office	: 2286881/82
Director	: 2286883
Director - Applied Biology	: 2449719 / 20
Gents Hostel	: 2449724 / 25
Ladies Hostel	: 2449726
Ladies Hostel -PG	: 2449715
IGNOU - Office	: 2449734
Community Radio - SARANG	: 2449744



For more information contact:  
St Aloysius College (Autonomous)

P.B. No. 720

Light House Hill Road,  
Mangaluru – 575 003

Or log on to

[www.staloyisius.edu.in](http://www.staloyisius.edu.in),

[www.staloyisius.ac.in](http://www.staloyisius.ac.in)

[Principal@staloyisius.edu.in](mailto:Principal@staloyisius.edu.in),

Facebook:principal Aloysius

### CONTENTS

### PAGE

Our History	1
Vision and Mission	2
Autonomous System	3
General Regulations	4
M.Sc. Biotechnology	5
M.Sc. Biochemistry	6
M.Sc. Analytical Chemistry	7
M.Sc. Chemistry	8
M.Sc. Mathematics	9
M.Sc. Physics	10
M.Sc. Food Science & Technology	11
MA English	12
MA Applied Economics	13
M.Sc. Counselling	14
M.Sc. Corporate Psychology	15
Master of Communication & Media Studies (MCMS)	16
Master in Social Work (MSW)	17
M.Com. Applied Finance and Accounting	18
Ph.D Programmes & Research Centre	19
BT Finishing School	20
PGDBM/DBM	21
PGDHRM & AIMIT Programmes	22
DDU Kaushal Kendra	23
Community College and Computer Courses	24

## OUR HISTORY

Welcome to St Aloysius College, Mangaluru. (Autonomous)!

St Aloysius College got its Autonomy in June 2007. The autonomous status was further renewed in the year 2012. The Autonomous set up has the freedom to determine and prescribe its course of study and syllabi. It has its own rules of admission in conformity with State Government policy. Moreover it has evolved its own methods of assessment of student work, conduct of examinations and notification of results. There will be sufficient freedom to use innovative tools in teaching - learning process and experiment with methodologies in learning. The degree shall be awarded by the Mangalore University.

The college traces its origins to 1880 when European Jesuits who had landed in Mangalore three years earlier set up a college for the education of the local Mangalorean Catholic Youth..

In the course of a hundred and thirty six years, St Aloysius College has travelled very far. In 1880, functioning in a single building it was only an upper secondary school but today, the world of St Aloysius College includes in its grand sweep a plurality of buildings

The College has undergone the third cycle of NAAC Accreditation and has been accredited with 'A' grade with the grade point average of 3.62, which is one of the highest in the state. It is also re-recognised as the College with Potential for Excellence by UGC till 2019, Star College by DBT and Community College by UGC

This Prospectus is designed to help you and guide you to plan your education in this College. In this handbook, you will find:

- Necessary information about the College and Courses available.
- The choice available for you in the course selected.
- The rules and regulations regarding admission during the academic year 2016-2017.
- Other facilities available in the campus.

For additional information and clarifications, you are welcome to approach the College office during working hours. It must be remembered that merely purchasing this copy of the College Prospectus does not mean that you have the right of admission to the College.



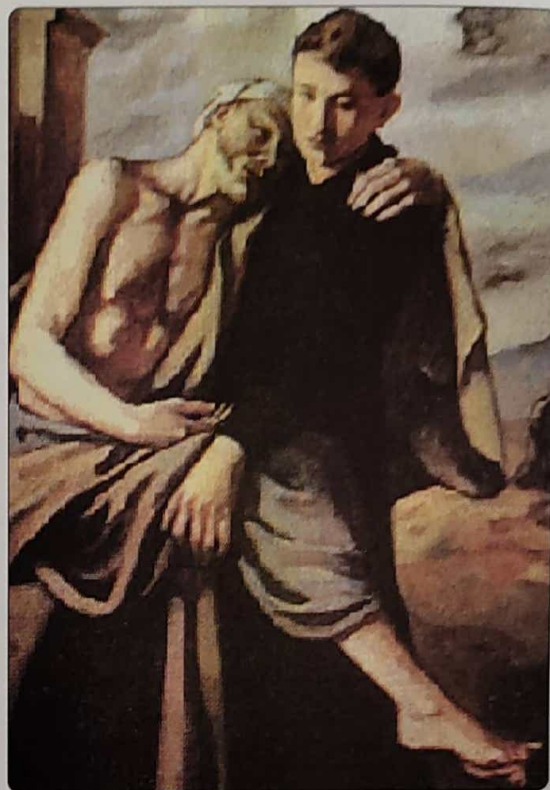
## VISION AND MISSION

*This premier institution, more than 135 years in existence, has been at the service of the youth of Mangaluru and its environs, as an educational institution run by the Mangalore Jesuit Educational Society, for the education, formation and professional preparation of young people of all castes, creeds and communities without any discrimination. However, as a minority institution it gives priority to the empowerment of the Christian community. And as an institution run by the Jesuits it places a special accent on preferential option for the poor.*

*With over 12,000 students, boys and girls, from Primary to Post Graduate classes, the Campus is known for its salubrious atmosphere, community culture, excellence in teaching, high degree of discipline, deep mutual respect, abiding spirit of tolerance, strong appreciation for all cultures, deep reverence for all religions, intense attachment to ethical values, state of the art facilities, multiplicity of avenues for all round growth of the individual and efficient as well as enlightened administration, drawing appreciative accolades from the University as well as Governmental bodies.*

*Our Patron St Aloysius is an inspiration and exemplar for all who come to this campus. Born in a noble family and brought up in relative comfort, this medieval young Italian soon grew tired of living in the lap of luxury, and offered himself to the service of the poor and the destitute by joining the Jesuit Order. He died at the age of 23, a victim of charity and service of the poor, having contracted plague while ministering to the plague stricken in Rome. His integrity of life, his inner strength, his noble ideals, his self discipline, his immense compassion and his tremendous concern for the poor are held up for emulation by our students.*

*Drawing our inspiration from St Aloysius Gonzaga, and in accord with the teaching of the Founder of the Jesuit Order, St Ignatius Loyola, we on this Campus aim at an integral formation of youth, striving to form individuals who are academically competent, morally strong, artistically accomplished, physically fit, socially concerned and personally balanced. Those who pass out of this institution are to be men and women for others, living nobly, acting justly, believing deeply, relating humanely and walking rightly in the presence of the Divine, and thus becoming critically reflective, intellectually creative, ethically exemplary and socially responsible and response-able persons empowered with great capacity to contribute to the building up of a more humane and just world where all have access to life in its abundance.*



## AUTONOMOUS SYSTEM

1. The academic programmes are structured on semester basis. Choice Based Paper is introduced in the 3rd Semester in all the courses.
2. The relative importance of subjects of study and activities are quantified in terms of credits and also their overall relative importance.
3. The curricula and question papers are unitized.
4. The declaration of result is based on the aggregate percentage of marks obtained as well as on Grade Point Average earned.

### Academic Calendar:

- The odd semesters will commence in July.
- The even semesters will commence a week after the completion of the end semester examinations.
- A semester will be of 18 weeks duration.

### Assessment/Evaluation:

The assessment will be based on knowledge, intelligence, application, understanding the concept of the subject and creativity. The continuous internal assessment will have a weightage of 30% and the end semester examinations will have a weightage of 70%. An aggregate of 40% in internal and end semester exam in each subject is required to pass.

### Attendance:

A total of 3 marks are allotted for full attendance. A student is eligible to write the semester examination only when the student has 75% attendance in each subject and in aggregate of all the subjects.

Students who do not have a minimum of 75% attendance will not be allowed to write the examinations. They have to repeat the semester.

## STUDENTS SEEKING ADMISSION ARE REQUIRED TO SUBMIT THE FOLLOWING CERTIFICATES TO COMPLETE THE ADMISSION PROCESS

<i>Students who have passed Degree exam within Karnataka</i>	<i>Transfer Certificate (Original) Degree marks card - 2 attested copies &amp; attested copy of PU &amp; SSLC mark card.</i>
<i>Students who have done Degree course outside Karnataka</i>	<i>Eligibility Certificate from Mangalore University, Migration Certificate issued by the University under which candidate has studied / passed, Qualifying Marks Card (original &amp; xerox), Transfer Certificate (original) &amp; attested copy of SSLC and PU marks card.</i>
<i>Foreign students</i>	<i>Eligibility Certificate, Migration Certificate, Qualifying marks card (original &amp; xerox), TStudent Visa, Aids free Certificate by competent authority, Residential permit &amp; Registration certificate from Commissioner of Police Mangalore &amp; Foreigners Regn. Office.</i>
<i>P.S. : Application for applying Eligibility Certificate is available in our Book Store.</i>	

## GENERAL REGULATIONS

Students shall observe the General Regulations and other rules of discipline printed in the College Calendar and those framed from time to time. In particular:

- Students must be neatly dressed in accordance with the rule of approved etiquette. The decision of the Principal in this regard is to be accepted.
- Every student should possess an Identity- Card which should be produced whenever asked for, by any staff member of the College.
- Punctuality and regular attendance is insisted upon. Leave of absence from College should be applied for and obtained beforehand. Unforeseen absence must be justified on return to the College. Absence from the College Examinations and at the reopening of classes after the holidays will not be tolerated. The students will not be admitted until their parents meet the Principal personally and explain the absence.
- Students should not join any Club or Society or make any engagement, that may interfere with their regular studies in the College. They are not allowed to play in any team against the College.
- Students should not take part in any political agitation directed against the lawful authority of the Government. They are also forbidden to engage prominently in any public movement without permission from the Principal.

### **Every PG student must spend ONE week of compulsory Village Exposure Programme organised by the College**

- The College, though not responsible for the conduct of its students outside its premises, will take cognizance of any serious misconduct of its students committed outside its premises.
- Students are required to live with parents, relatives, guardians or in hostels approved by the College Authorities. Early in the first term every student shall fill in a slip giving particulars of his place of residence in Mangalore.
- Attendance at classes and examinations, progress as well as conduct of the student will be taken into consideration while recommending students for merit certificates, concessions, scholarships, freeships, higher studies and employment.
- Those who indulge in ragging or encourage it will be dismissed from the College.
- Use of mobiles is strictly prohibited inside the College buildings.
- No candidate will be permitted to appear for the end semester examination unless he/she fulfils the requirements of good conduct and progress in studies. A minimum of 75 % attendance is a must in each subject.



## M.Sc. BIOTECHNOLOGY

### Objectives of the Course:

- To provide state-of-the art knowledge and skills in the field of Biotechnology.
- To generate manpower trained in Biotechnology suited to meet the needs of the industry and academia.
- To train students to pursue committed research in the field of Biotechnology.
- To have a positive impact on human and animal health, agriculture and environment in the region.

### Course Content:

<p><b>FIRST SEMESTER</b></p> <p><b>Theory</b></p> <ul style="list-style-type: none"> <li>• Biochemistry and Metabolism</li> <li>• Microbiology</li> <li>• Cell Biology</li> <li>• Molecular Genetics</li> </ul> <p><b>Practical</b></p> <ul style="list-style-type: none"> <li>• Biochemistry &amp; Biophysics and Microbiology</li> <li>• Cell Biology &amp; Molecular Genetics</li> </ul>	<p><b>SECOND SEMESTER</b></p> <p><b>Theory</b></p> <ul style="list-style-type: none"> <li>• Molecular Biology</li> <li>• Genetic Engineering</li> <li>• Enzymology</li> <li>• Biochemical and Biophysical Techniques</li> </ul> <p><b>Practical</b></p> <ul style="list-style-type: none"> <li>• Molecular Biology &amp; Genetic Engineering</li> <li>• Enzymology &amp; Biochemical and Biophysical Techniques</li> </ul>
<p><b>THIRD SEMESTER</b></p> <p><b>Theory</b></p> <ul style="list-style-type: none"> <li>• <b>Choice Based Paper</b> - Concepts in Biotechnology</li> <li>• Industrial Biotechnology</li> <li>• Animal Biotechnology</li> <li>• Plant Biotechnology</li> </ul> <p><b>Practical</b></p> <ul style="list-style-type: none"> <li>• Industrial Biotechnology</li> <li>• Animal &amp; Plant Biotechnology</li> </ul>	<p><b>FOURTH SEMESTER</b></p> <p><b>Theory</b></p> <ul style="list-style-type: none"> <li>• Regulatory Affairs and Entrepreneurship</li> <li>• Environmental Biotechnology</li> <li>• Food Biotechnology</li> <li>• Immunology</li> </ul> <p><b>Practical</b></p> <ul style="list-style-type: none"> <li>• Environmental Biotechnology, Food Biotechnology and Immunology</li> <li>• Dissertation and project presentation &amp; Viva</li> </ul>

### Highlights of the Course:

- Recognized as Centre for research in Biotechnology by Mangalore University.
- One among 12 institutions selected for the Govt. Of Karnataka's (VGST) sponsored Biotechnology Finishing School(BTFS).
- Three research laboratories for PhD scholars.
- Plant tissue culture and animal cell culture rooms.
- CPCSEA registered Animal house, Green house.

### Eligibility Criteria:

Students with BSc. in any branch of Life Sciences and Chemistry / Biochemistry as one of the subsidiary subjects are eligible to apply.

### For more information contact :

**The Principal or  
Dr. Asha Abraham, HOD.**  
Mob: 94495 55802  
Office: 0824 2449700/ Extn.  
No. 222/223



## M.Sc. BIOCHEMISTRY

### Objectives of the Course:

- To provide state of art knowledge and skills in the field of Biochemistry.
- To generate manpower trained in Biochemistry suited to meet the needs of the research institutions / industry / academia.
- To have a positive impact on human and animal health, agriculture and environment in the region.
- To have 100% placement for all the students who take up this course.



### Course content:

#### FIRST SEMESTER

##### Theory

- Biomolecules
- Biochemical Techniques
- Organic & physical Biochemistry
- Physiology & Nutrition

##### Practical

- Bioquantitation (Lab course I)
- Analytical techniques (Lab course II)

#### SECOND SEMESTER

##### Theory

- Enzymology
- Toxicology
- Metabolism
- Nitrogen metabolism & Plant Biochemistry

##### Practical

- Biokinetics (Lab course III)
- Metabolism & Clinical Biochemistry (Lab course IV)

#### THIRD SEMESTER

##### Theory

- **Choice Based Paper** - Biochemistry in Health
- Molecular Biology
- Cellular Biochemistry
- Biotechnology

##### Practical

- Cell & Molecular Biology (Lab course V)
- Biotechnology (Lab course VI)

#### Fourth Semester

##### Theory

- Immunology
- Genetic Engineering
- Molecular Genetics
- Biostatistics & Bioinformatics

##### Practical

- Biocalculations & informatics (Lab course VII)
- Research Project

### Highlights of the Course:

- First initiative in whole of Dakshina Kannada.
- Creating a positive impact on human and animal health, agriculture and environment in the region.
- Three state of art laboratories including animal and plant cell culture room.
- Animal house and Green house.

### Eligibility Criteria :

Candidates shall have studied Biochemistry/ Chemistry as optional/Major/Special subject in any two of the following subjects-Botony, Zoology, Micro Biology, Biotechnology, Pharmacognocny and Chemistry as major/optional/minor/subsidiary subject at the Undergraduate.

### For more information contact :

**The Principal or**

**Ms. Bhavya D.K. , HOD**

Mob : 9449237304

Office : 0824-2449700/Extn. No. 604/605



# M.Sc. ANALYTICAL CHEMISTRY

## Objectives of the Course:

- To impart sound knowledge in the subject.
- To enthuse students towards research in chemistry.
- To provide motivated and skilled manpower to industry.
- To give opportunities to students for their all round development.

## Course Content:

<b>FIRST SEMESTER</b> <ul style="list-style-type: none"><li>• Inorganic Chemistry</li><li>• Organic Chemistry</li><li>• Physical Chemistry</li><li>• Principles of Analytical Chemistry &amp; Separation Techniques</li><li>• Mathematics For Chemists (Students who have not offered Maths in B.Sc.)</li><li>• Biology For Chemists (Students who have not offered Biology in B.Sc.)</li><li>• Inorganic Chemistry Practicals - 1</li><li>• Organic Chemistry Practicals - 1</li><li>• Physical Chemistry Practicals - 1</li></ul>	<b>SECOND SEMESTER</b> <ul style="list-style-type: none"><li>• Advanced Inorganic Chemistry</li><li>• Advanced Organic Chemistry</li><li>• Advanced Physical Chemistry</li><li>• Molecular Symmetry &amp; Spectroscopy</li><li>• Computers for Chemists</li><li>• Inorganic Chemistry Practicals - II</li><li>• Organic Chemistry Practicals - II</li><li>• Physical Chemistry Practicals - II</li></ul>
<b>THIRD SEMESTER</b> <ul style="list-style-type: none"><li>• <b>Choice Based Paper</b> - Chemistry for Everyday Life</li><li>• Molecular Spectroscopy</li><li>• Organometallic, Bioinorganic &amp; Co-ordination Chemistry</li><li>• Electroanalytical Radiochemical &amp; Thermoanalytical Techniques</li><li>• Analytical Chemistry Practicals - I</li><li>• Analytical Chemistry Practicals - II</li></ul>	<b>FOURTH SEMESTER</b> <ul style="list-style-type: none"><li>• Applied Analysis &amp; Automation</li><li>• Organic Synthetic Methods</li><li>• Chemistry of Polymers &amp; Natural Products</li><li>• Optical Methods of Analysis</li><li>• Analytical Chemistry Practicals -III</li><li>• Analytical Chemistry Practicals - IV</li><li>• Project Work</li><li>• Seminar</li></ul>

## Highlights of the Course:

- Recognized as research centre by Tumkur University.
- Placement in reputed companies like Aputex, Biocon, Astrazeneca, Syngene, BASF, Cipla.
- Well equipped laboratories.
- Study tour to industry and research centers.

## Eligibility Criteria:

Students with 45% marks in B.Sc. degree with Chemistry as one of the subject from a recognised Indian or foreign University are eligible to apply.

## For more information contact :

The Principal or  
Dr Richard Gonsalves, Coordinator,  
Mobile: 98450 23518,  
Office : 2449700/Extn. No. 616/617



# M.Sc. CHEMISTRY

## Objectives of the Course:

- To impart sound knowledge in the subject.
- To enable students to pass NET.
- To enthuse students towards research in chemistry.
- To provide motivated and skilled manpower to industry.
- To give opportunities to students for their all round development.

## Course Content:

<p><b>FIRST SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Inorganic Chemistry</li> <li>• Organic Chemistry</li> <li>• Physical Chemistry</li> <li>• Principles of Analytical Chemistry &amp; Separation Techniques</li> <li>• Mathematics For Chemists (Students who have not offered Mathematics in B.Sc.)</li> <li>• Biology For Chemists (Students who have not offered Biology in B.Sc.)</li> <li>• Inorganic Chemistry Practicals - 1</li> <li>• Organic Chemistry Practicals - 1</li> <li>• Physical Chemistry Practicals - 1</li> </ul>	<p><b>SECOND SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Advanced Inorganic Chemistry</li> <li>• Advanced Organic Chemistry</li> <li>• Advanced Physical Chemistry</li> <li>• Molecular Symmetry &amp; Spectroscopy</li> <li>• Computers for Chemists</li> <li>• Inorganic Chemistry Practicals-II</li> <li>• Organic Chemistry Practicals - II</li> <li>• Physical Chemistry Practicals - II</li> </ul>
<p><b>THIRD SEMESTER</b></p> <ul style="list-style-type: none"> <li>• <b>Choice Based Paper</b> - Chemistry for Every Day Life</li> <li>• Molecular Spectroscopy</li> <li>• Organometallic, BioInorganic &amp; Co-ordination Chemistry</li> <li>• Electrochemistry, Electro and Thermo - Analytical Methods</li> <li>• Inorganic Chemistry Practicals - III</li> <li>• Organic Chemistry Practicals - III</li> <li>• Physical Chemistry Practicals - III</li> </ul>	<p><b>FOURTH SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Radiation and Photochemistry</li> <li>• Organic Synthetic Methods</li> <li>• Chemistry of Polymers &amp; Natural Products</li> <li>• Solid State and Nanochemistry</li> <li>• Inorganic Chemistry Practicals - IV</li> <li>• Organic Chemistry Practicals - IV</li> <li>• Physical Chemistry Practicals - IV</li> <li>• Project Work</li> <li>• Seminar</li> </ul>

## Highlights of the Course:

- Recognized as research centre by Tumkur University.
- Provide motivated and skilled manpower to industry.
- Well equipped laboratories.
- Study tour to industry and research centres.
- NET/SLET Coaching
- High rate of placements in reputed industries

## Eligibility Criteria:

Students with 45% marks in B.Sc. degree with Chemistry as one of the subject from a recognised Indian or foreign University are eligible to apply.

## For more information contact :

**The Principal or  
Dr Richard Gonsalves, Coordinator,**  
Mobile: 98450 23518,  
Office : 2449700/Extn. No. 616/617



## M.Sc. MATHEMATICS

### Objectives of the Course :

- Impart training in Mathematics and to apply it to computers and IT.
- Research exposure in the field of Pure and Applied Mathematics.
- To impart sound knowledge in the subject.
- To provide wide range of electives to enhance the comprehension of the subject.

### Course Content:

<b>FIRST SEMESTER</b> <ul style="list-style-type: none"> <li>• Algebra I</li> <li>• Linear Algebra I</li> <li>• Real Analysis I</li> <li>• Graph Theory</li> <li>• Fluid Mechanics</li> </ul>	<b>SECOND SEMESTER</b> <ul style="list-style-type: none"> <li>• Algebra II</li> <li>• Linear Algebra II</li> <li>• Real Analysis II</li> <li>• Complex Analysis I</li> <li>• Numerical Analysis</li> <li>• Computational Lab</li> </ul>	<b>Electives:</b> <ul style="list-style-type: none"> <li>• Commutative Algebra</li> <li>• Lattice Theory</li> <li>• Analytic Number Theory</li> <li>• Partial Differential Equations</li> <li>• Algebraic Number Theory</li> <li>• Parallel Interconnection Networks</li> <li>• Cryptography</li> <li>• Formal Language</li> <li>• Fluid mechanics</li> <li>• Mathematical Modeling</li> <li>• Combinatorial Methods</li> <li>• Operations Research</li> </ul>
<b>THIRD SEMESTER</b> <ul style="list-style-type: none"> <li>• <i>Choice Based Paper</i> -Basic Tools in Mathematics</li> <li>• Complex Analysis II</li> <li>• Topology</li> <li>• Ordinary Differential Equations</li> <li>• Elective I</li> <li>• Seminar</li> </ul>	<b>FOURTH SEMESTER</b> <ul style="list-style-type: none"> <li>• Functional Analysis</li> <li>• Measure Theory and Integration</li> <li>• Multivariate Calculus and Geometry</li> <li>• Elective II</li> <li>• Elective III</li> </ul>	

### Highlights of the Course :

- Guest lectures will be arranged from eminent mathematicians and personnel from renowned institutions.
- Regular seminars for the students in the subject area.
- Training for the competitive examination like UGC-NET and GATE.
- Study tours to various mathematical institutions.



### Eligibility criteria :

Candidates must have studied Mathematics as one of the major subjects in the undergraduate level with not less than 50 % (45% in case of SC/ST students) marks in Mathematics are eligible to apply.

### For more information contact :

The Principal or  
 Ms Anupriya, Coordinator.  
 Mobile : 9611496024  
 Office : (0824) 2449700, Extn No. 522

# M.Sc. PHYSICS

## Objectives of the Course:

- To impart sound knowledge of the subject to the students.
- To give opportunities to students for their all round development.
- To motivate students towards research in Physics.
- To make students develop skills in teaching Physics as a subject.

## Course Content:

<p><b>FIRST SEMESTER</b></p> <p><b>Theory Papers:</b></p> <ul style="list-style-type: none"> <li>• Mathematical Physics - 1</li> <li>• Classical Mechanics</li> <li>• Quantum Mechanics - 1</li> <li>• Electronics</li> </ul> <p><b>Practicals:</b></p> <ul style="list-style-type: none"> <li>• Practical - I   Practical - II</li> </ul>	<p><b>Second Semester</b></p> <p><b>Theory Papers:</b></p> <ul style="list-style-type: none"> <li>• Mathematical Physics II</li> <li>• Quantum Mechanics II</li> <li>• Classical Electrodynamics</li> <li>• Condensed Matter Physics - I</li> </ul> <p><b>Practicals:</b></p> <ul style="list-style-type: none"> <li>• Practical - III</li> </ul>
<p><b>THIRD SEMESTER</b></p> <p><b>Theory Papers:</b></p> <ul style="list-style-type: none"> <li>• <b>Choice Based Paper</b> : Interdisciplinary Subject</li> <li>• Statistical Mechanics</li> <li>• Nuclear and Particle Physics</li> <li>• Condensed Matter Physics II</li> <li>• General Physics Experiments - III</li> </ul> <p><b>Practicals:</b></p> <ul style="list-style-type: none"> <li>• Practical -V</li> <li>• Computational Physics Practical- I</li> </ul>	<p><b>FOURTH SEMESTER</b></p> <p><b>Theory Papers:</b></p> <ul style="list-style-type: none"> <li>• Atomic and Molecular Physics</li> <li>• Experimental Techniques</li> <li>• Relativity and Cosmology</li> <li>• Condensed Matter Physics III</li> <li>• General Physics Experiments - IV</li> </ul> <p><b>Practicals:</b></p> <ul style="list-style-type: none"> <li>• Practical - VII</li> <li>• Computational Physics Practical- II</li> </ul>

## Highlights of the Course:

- Comprehensive syllabus which includes core and modern topics.
- Problem oriented teaching to enhance fundamentals and applications.
- Computational physics laboratory.
- Encourage Summer research and Internship.
- Has an observatory AL SOLARIUM with an advanced 8 inch rotating telescope to observe and study the universe around us.

## For more information contact :

The Principal or  
 Mr Chandrashekar Shetty HOD  
 Ph : 94482 49153  
 Office: 0824-2449700/Ext No: 614

**Eligibility Criteria :** Students with 50% marks in BSc. with Physics as one of the subject from a recognized Indian or foreign University are eligible to apply.



## M.Sc. FOOD SCIENCE & TECHNOLOGY

### Objectives of the Course :

- To generate human resource with a competitive edge in the field of food science and technology.
- To evolve new need-based strategies and knowledge base or think-tanks for food processing technologies from source to target.
- To foster research in frontline areas of food science and technology, particularly post-harvest food processing and preservation, reducing wastage, evolving better packing and transportation strategies etc.

### Course Content:

<p><b>FIRST SEMESTER</b> <i>Theory</i></p> <ul style="list-style-type: none"> <li>• Food Chemistry</li> <li>• Food Microbiology</li> <li>• Principles of Food Processing &amp; Preservation</li> <li>• Technology of Fruits and Vegetables Products</li> </ul> <p><b>Practical I</b></p> <ul style="list-style-type: none"> <li>• Food Chemistry and Food Microbiology</li> </ul> <p><b>Practical II</b></p> <ul style="list-style-type: none"> <li>• Principles of Food Processing &amp; Preservation &amp; Technology of Fruits and Vegetables Products</li> </ul>	<p><b>SECOND SEMESTER</b> <i>Theory</i></p> <ul style="list-style-type: none"> <li>• Food Process Engineering &amp; Instrumentation</li> <li>• Technology of Milk &amp; Milk Products</li> <li>• Technology of Cereals &amp; Legumes</li> <li>• Research Methodology &amp; Statistics</li> </ul> <p><b>Practical III</b></p> <ul style="list-style-type: none"> <li>• Technology of Milk &amp; Milk Products &amp; Food Process Engineering &amp; Instrumentation</li> </ul> <p><b>Practical IV</b></p> <ul style="list-style-type: none"> <li>• Technology of Cereals &amp; Legumes</li> </ul>
<p><b>THIRD SEMESTER</b> <i>Theory</i></p> <ul style="list-style-type: none"> <li>• <b>Choice Based Paper</b> - Nutrition and Health</li> <li>• Post Harvest Technology of Plantation crops</li> <li>• Fermentation Technology</li> <li>• Technology of Meat, Poultry and Fish Products</li> </ul> <p><b>Practical V</b></p> <ul style="list-style-type: none"> <li>• Post Harvest Technology of Plantation crops and Fermentation Technology</li> </ul> <p><b>Practical VI</b></p> <ul style="list-style-type: none"> <li>• Technology of Meat, Poultry and Fish Products</li> </ul>	<p><b>FOURTH SEMESTER</b> <i>Theory</i></p> <ul style="list-style-type: none"> <li>• Nutraceuticals &amp; Functional foods</li> <li>• Food Safety and Quality Control</li> <li>• Food Packaging</li> <li>• Food Plant Management &amp; Entrepreneurship</li> </ul> <p><b>Practical VII</b></p> <ul style="list-style-type: none"> <li>• Nutraceuticals &amp; Functional foods and Food Safety and Quality Control</li> </ul> <p><b>Project/Dissertation:</b> All students are expected to carry out an industrial based project work and expected to present their finding through a vica-voce exam.</p>

### Highlights of the Course:

- State of art laboratories.
- Industrial visits and study tours.
- Curriculum is designed in such a way that student get training in all aspects of food processing.
- Hands-on practical training, research and skill training of students.

### Eligibility criteria :

Candidates shall have studied any branch of Life Sciences with Chemistry/Biochemistry as one of the major/optional/subsidiary subjects securing 45% marks (40% in case of SC/ST candidates) in the aggregate excluding languages at the undergraduate level.

### For more information contact :

The Principal or

Rev. Dr Melwyn D'Cunha, Coordinator. Mob: 9449664651 or

Dr Raghvendra Mob:9945888845 Office: 0824-2449700/

Ext. No. 601/602



# MA ENGLISH

## Objectives of the Course :

To impart comprehensive knowledge of the various aspects of English Literature and Effective skills of Proficiency in English through a competent and cutting-edge curriculum and to prepare the students for various professions.

## Course Content:

<p><b>FIRST SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Chaucer and the Elizabethan Age</li> <li>• Seventeenth and Eighteenth Centuries</li> <li>• Romanticism</li> <li>• Literary Criticism</li> <li>• Introduction To Linguistics</li> </ul>	<p><b>SECOND SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Victorian Fiction</li> <li>• Victorian Prose And Poetry</li> <li>• Literary Theories</li> <li>• American Literature</li> <li>• English Language Teaching</li> </ul>
<p><b>THIRD SEMESTER</b></p> <ul style="list-style-type: none"> <li>• <b>Choice Based Paper</b> - Communication Skills and Development</li> <li>• Twentieth Century British Literature</li> <li>• Indian Writing In English</li> <li>• Postcolonialism</li> <li>• Cultural Studies - I</li> </ul>	<p><b>FOURTH SEMESTER</b></p> <ul style="list-style-type: none"> <li>• World Drama</li> <li>• Gender Studies</li> <li>• Cultural Studies - II</li> <li>• Literature from the Margins</li> <li>• Popular Cultures</li> </ul>

## Highlights of the Course :

- Impart quality input in English Literature.
- Make students competent in the linguistic performance.
- Language laboratory for voice training.
- Hands on training for teaching.

## For more information contact :

**The Principal or**

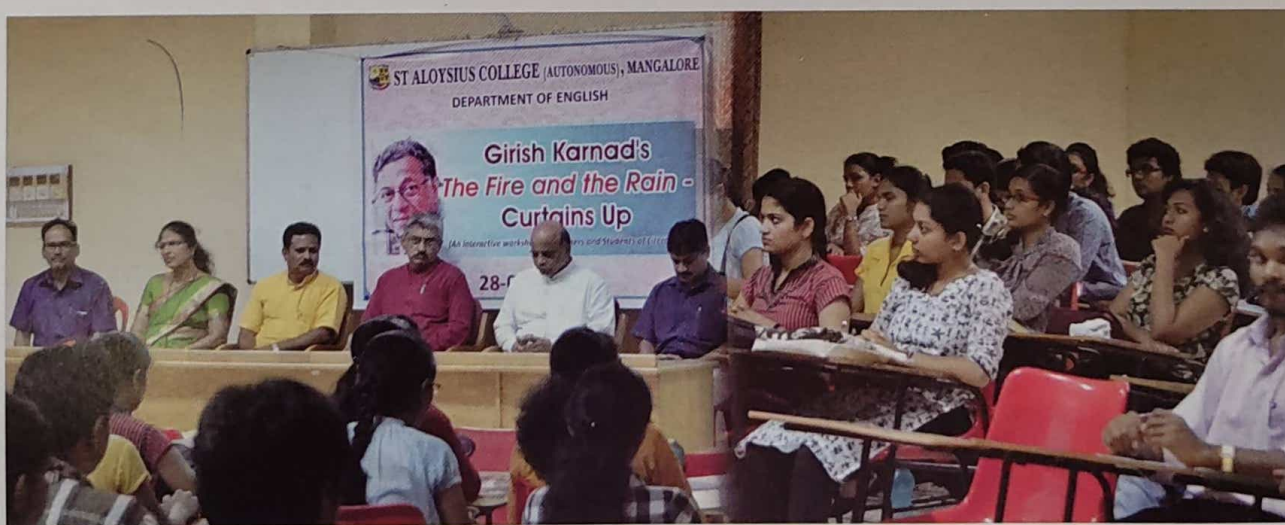
**Dr A. Lourdusamy, HOD**

**Mobile : +91 9448744522**

**Office : 2449700; (0824) 2449703 (0824) 2449700, Extn No. 402,**

## Eligibility Criteria :

Students of optional English, Students of Communicative English as an optional subject, Any students of BA, B H R D, B Sc, B Com with TWO years or FOUR Semesters of English Language study with 55% marks in each paper.



# MA ECONOMICS

## Objectives of the Course:

- To prepare students for a wide range of professional careers in Banking and Financial Services, NGOs and Development Institutions, Government Services, Research and Consulting Firms, Foreign Trade Sector, etc.
- To equip students with knowledge of principles, theories and concepts of economics and business, which will help them to become responsible leaders in their chosen fields.
- To establish the foundation for Ph. D studies for students who plan to continue their education and research.
- To lay the foundation in the field of teaching for students who plan to enter the profession of teaching.

## Course Content:

<p><b>FIRST SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Micro Economic Analysis</li> <li>• Development Economics: Concepts and Issues</li> <li>• Statistical Techniques for Economic Analysis</li> <li>• Environmental Economics</li> <li>• Principles and Practice of Banking.</li> </ul> <p><b>Seminar Course I:</b> Development of Economic Ideas</p>	<p><b>SECOND SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Macro Economic Analysis</li> <li>• International Economics</li> <li>• Mathematical Techniques for Economic Analysis</li> <li>• Health Economics</li> <li>• Financial Institutions and Markets</li> </ul> <p><b>Seminar Course II:</b> Nobel Prize Winners</p>
<p><b>THIRD SEMESTER</b></p> <ul style="list-style-type: none"> <li>• <b>Choice Based Paper</b> - Health Economics</li> <li>• Monetary Economics</li> <li>• Econometrics</li> <li>• Research Methods in Economics</li> <li>• Economics of Insurance</li> <li>• Seminar Course (1 credit)</li> </ul> <p><b>Seminar Course III:</b> Current Issues in World Economy</p>	<p><b>FOURTH SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Indian Economy</li> <li>• Public Economics</li> <li>• Operations Research for Economic Analysis</li> <li>• International Finance</li> <li>• Development Banking/ Project</li> </ul> <p><b>Seminar Course IV:</b> Economics of Human Resource Development</p>

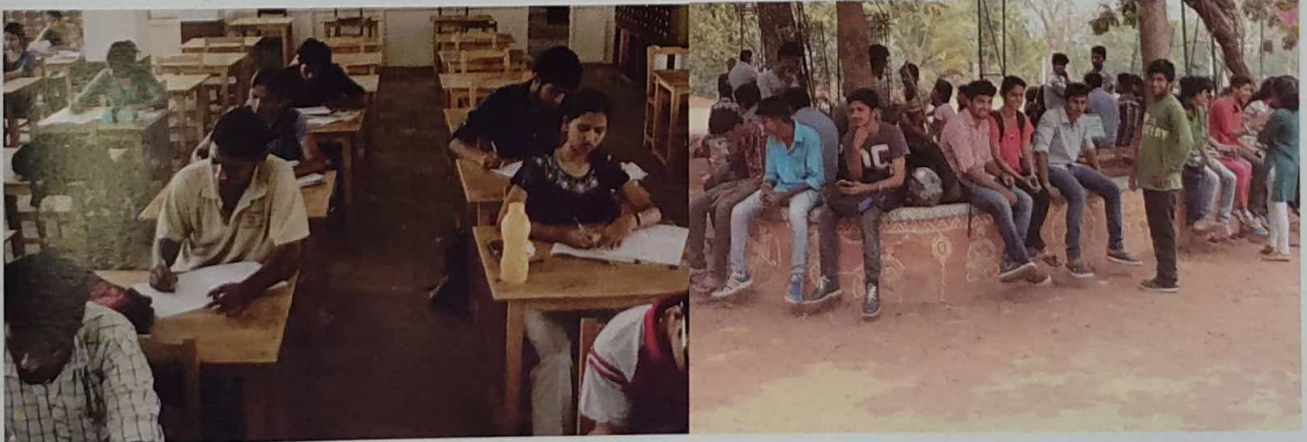
## Eligibility criteria :

Candidates must have studied Economics as one of the major subjects in the undergraduate level with not less than 45 % (40% in case of SC/ST students) marks in Economics are eligible to apply.

## For more information contact :

### The Principal or

Dr P. P. Sajimon, HOD Ph : 9446545550,  
Office: 0824-2449700 / Extension No.: 404



## M.Sc. COUNSELLING

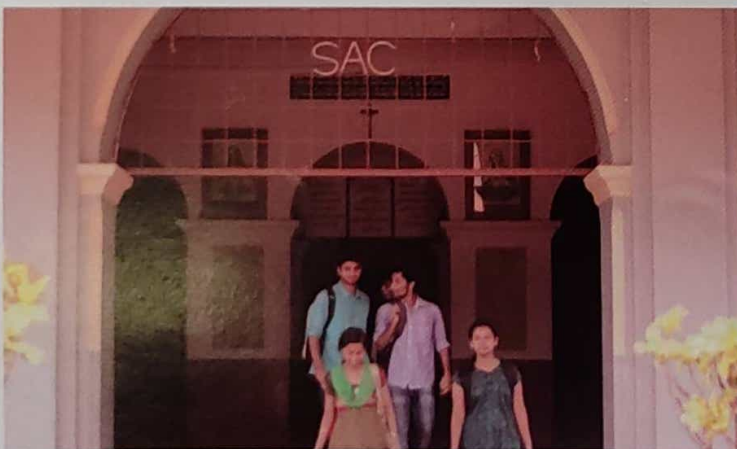
### Objectives of the Course:

How can people cope better with day to day problems like anxiety, stress, frustrations, conflicts, psychosomatic illness strained interpersonal relationships, marital problems, school related problems, problems at work place etc which harm their intellectual, social and emotional growth? The answer lies in having trained psychological counsellors at all levels. Here's an opportunity for students to be trained in Holistic Psychological counselling.

<p><b>FIRST SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Psychology and Life</li> <li>• Introduction to Psychological Assessment</li> <li>• Developmental psychology</li> <li>• Basic counseling skills</li> </ul> <p><b>Practical</b></p> <ul style="list-style-type: none"> <li>• Basic counseling skills</li> <li>• Psychological Assessment - I</li> </ul>	<p><b>SECOND SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Research and Statistics</li> <li>• Theories of personality</li> <li>• Human Resource Management</li> <li>• Group counseling</li> </ul> <p><b>Practical</b></p> <ul style="list-style-type: none"> <li>• Advanced Counseling Skills</li> <li>• Training to be group leader</li> </ul>
<p><b>THIRD SEMESTER</b></p> <ul style="list-style-type: none"> <li>• <b>Choice Based Paper</b> - Psychopathology</li> <li>• Counseling Therapy</li> <li>• Educational Counseling and Guidance</li> </ul> <p><b>Practical</b></p> <ul style="list-style-type: none"> <li>• Counseling Skills and Therapy</li> <li>• Psychological Assessment - II</li> </ul>	<p><b>Fourth Semester</b></p> <ul style="list-style-type: none"> <li>  Positive Psychology/Counselling specific groups</li> <li>  Internship</li> <li>  Dissertation</li> </ul>

### Highlights of the Course:

- Students will be intensely trained in counselling skills.
- The first of its kind in Dakshina Kannada and Udupi districts.
- Trained to integrate counselling theory into practice.
- Trained to use psychological tests.
- On the job training will be given.



### Eligibility criteria:

Applicants who have passed any Bachelor Degree examination with Psychology as one of the subjects or BSW degree examination of Mangalore University or any other University considered as equivalent thereto or graduates with P.G Diploma / Diploma in counselling or graduates with at least 2 years of work experience as counsellors are eligible for the programme provided they have secured a minimum of 45% ( 40% for SC/ St/ Category- I Candidates) marks in aggregate including languages and Group III subjects.

### For more information contact :

**The Principal or**

Ms. Shalini Aiyappa HOD

Mob : 9845873042

Office : 0824-2449700 /

Extension No.: 116



## M.Sc. CORPORATE PSYCHOLOGY

### Objectives of the Course:

- To provide knowledge and skills in the applied field of Corporate Psychology.
- To develop an integrated personality required to function as a Corporate Psychologist.
- To provide ample training through necessary practical exposure in Corporate Psychology.

### Course Content:

<p><b>FIRST SEMESTER</b> <i>Theory</i></p> <ul style="list-style-type: none"> <li>• Psychological Processes</li> <li>• Organisational Psychology</li> <li>• Psychological Assessment</li> <li>• Human Resource Management</li> </ul> <p><b>Practical :</b> Psychometric testing I Interpersonal Skills training Lab I</p>	<p><b>SECOND SEMESTER</b> <i>Theory</i></p> <ul style="list-style-type: none"> <li>• Statistics and Research methodology</li> <li>• Organisational Behaviour</li> <li>• Corporate Culture and Diversity</li> <li>• Market Behaviour and Analysis</li> </ul> <p><b>Practical :</b> Psychometric testing II Interpersonal Skills training Lab II</p>
<p><b>THIRD SEMESTER</b> <i>Theory</i></p> <ul style="list-style-type: none"> <li>• Corporate Ethics and Governance</li> <li>• Corporate Leadership</li> <li>• Corporate Reporting and Accountability</li> </ul> <p><b>Practicals:</b> Corporate Counselling Corporate selection and Development</p>	<p><b>FOURTH SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Internship</li> <li>• Dissertation</li> </ul>

### Highlights of the Course

- Curriculam consists of both practicals as well as theory.
- Four months of Internship.
- Regular Training Programme conducted.
- Invited Lectures and exposure to the most relevant places in the field.



### Eligibility criteria:

Candidates who have passed the three year degree examination in Psychology/ Commerce / Business Administration / Business Management / Human Resource Development / Hotel Management / or a degree in Social Work of Mangalore University or any other university considered as equivalent thereto provided they have secured a minimum of 45% (40% for SC/ST/Category-I candidates) marks in aggregate including languages and group III subjects.

### For more information contact :

**The Principal or**

Ms Shalini Aiyappa, HOD.

Mob: 9845873042

Office: 0824-2449700/ Ext. No. 116

# MASTER OF COMMUNICATION & MEDIA STUDIES (MCMS)

## Objectives of the Course :

- To impart theoretically & Professionally sound education in Mass Communication.
- To help students integrate their learning with adequate practical experience.
- To train youngsters in all streams of media with practical learning & exposure.
- To prepare them to get into industry seamlessly by developing competence in offering job-oriented education.

## Course Content:

<b>FIRST SEMESTER</b> <ul style="list-style-type: none"> <li>• Theories of Communication</li> <li>• Development of Media</li> <li>• Advanced Reporting and Editing</li> <li>• Media Management</li> <li>• Media Law and Ethics</li> </ul>	<b>SECOND SEMESTER</b> <ul style="list-style-type: none"> <li>• Communication Research Methods</li> <li>• Introduction to Audio Visual Media</li> <li>• Corporate Communication</li> <li>• Development Communication</li> <li>• Creative Communication</li> </ul>
<b>THIRD SEMESTER</b> <ul style="list-style-type: none"> <li>• <b>Choice Based Paper</b> - Introduction to Mass Communication</li> <li>• Environment &amp; Media</li> <li>• Marketing Communication &amp; Advertising</li> <li><b>Specialisation in any ONE:</b></li> <li>• Broadcast Media (2 Papers)</li> <li>• Corporate Communication (2 Papers)</li> <li>• Print &amp; New Media Journalism (2 Papers)</li> </ul>	<b>FOURTH SEMESTER</b> <ul style="list-style-type: none"> <li>• Media, Culture &amp; Globalization</li> <li>• Political Communication</li> <li>• Dissertation</li> <li>• Project in Specialisation</li> <li><b>Specialisation in any ONE:</b></li> <li>• Broadcast Media (1 Paper)</li> <li>• Corporate Communication (1 Paper)</li> <li>• Print &amp; New Media Journalism (1 Paper)</li> </ul>

## Highlights of the Course :

- Community Radio Sarang 107.8 FM for the College to aid student learning in radio production.
- Well equipped TV Studio, Lab Journals, Radio, TV bulletins on local channels.
- Practical exposure to media on a regular basis.
- Lectures and workshops by well known personalities from the industry.

## Eligibility criteria :

Students with B.A., B.Com, B.Sc, or ANY OTHER equivalent degree in ANY discipline from a recognized University with 45% aggregate marks.

## For more information contact :

**The Principal or**

Mr Vishal Nayak, Coordinator.

Mobile: +91 99864 21658

Office : 0824-2449700 Ext. No. 403,



# MASTER IN SOCIAL WORK (MSW)

## Objectives of the Course :

- Value - based professional education for social work.
- Social research and dissemination of professionally relevant knowledge.
- Social intervention through training and field action projects.

## Course Content :

<p><b>FIRST SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Social Work-History &amp; Ideologies</li> <li>• Case Work Practice</li> <li>• Group Work Practice</li> <li>• Dynamics of Human Behaviour -1</li> <li>• Concurrent Field Work Practicum</li> </ul>	<p><b>SECOND SEMESTER</b></p> <ul style="list-style-type: none"> <li>• Social Sciences Perspectives for Social Work</li> <li>• Community Organization &amp; Social Action</li> <li>• Social Welfare Administration</li> <li>• Social Work Research &amp; Statistics</li> <li>• Dynamics of Human behaviour- II</li> <li>• Concurrent Field Work Practicum</li> </ul>
<p><b>THIRD SEMESTER</b></p> <p><b>Core subjects:</b></p> <ul style="list-style-type: none"> <li>• <b>Choice Based Paper</b> - Human Rights &amp; Social Defence</li> <li>• Social Work Administration</li> <li>• Concurrent field work Practicum</li> </ul> <p><b>Specialization : C. D</b></p> <ul style="list-style-type: none"> <li>• Education for Development</li> <li>• Rural &amp; Tribal Development</li> </ul> <p><b>MPSW</b></p> <ul style="list-style-type: none"> <li>• Counselling: Theory &amp; Practice</li> <li>• Psychiatric Social Work</li> </ul> <p><b>HR</b></p> <ul style="list-style-type: none"> <li>• Personnel Management &amp; HRD</li> <li>• Labour Legislation &amp; Industrial Relations</li> </ul>	<p><b>FOURTH SEMESTER</b></p> <p><b>Core subjects</b></p> <ul style="list-style-type: none"> <li>• Project Planning &amp; Management</li> <li>• Research Project or Term Paper</li> <li>• Disaster Management</li> <li>• Concurrent field work Practicum</li> </ul> <p><b>Specialization : C. D</b></p> <ul style="list-style-type: none"> <li>• Urban Community. Development</li> <li>• Citizen Participation &amp; Local Self-Governance</li> </ul> <p><b>MPSW</b></p> <ul style="list-style-type: none"> <li>• Medical Social Work</li> <li>• Working with Children &amp; Families</li> </ul> <p><b>HR</b></p> <ul style="list-style-type: none"> <li>• Employee Welfare in India</li> <li>• Organisational Behaviour &amp; Development</li> </ul>

## Highlights of the Course :

- Social intervention through training and field action projects.
- Two days of concurrent field work in a week.
- An intensive rural exposure camp.
- Specialization wise study tour.
- Summer placement and internship.

## Eligibility criteria :

Candidate shall have passed any Bachelor degree examination of Mangalore University or any other degree recognised as equivalent thereto with a minimum of 45%(40% for SC/ST category candidates) marks in optionals. Preference is given to deputed candidates who have served in approved Government Organization or Non-Government Organization for a minimum period of 3 years.

## Specializations offered:

1. Community Development (CD)
2. Personnel Management and Industrial Relations (HR)
3. Medical and Psychiatric Social Work (MPSW)

## For more information contact :

**The Principal or**

Dr Loveena Lobo, HOD. Mob: 9448460525

Office : 2449700; (0824) 2449703

(0824) 2449700

## M.Com

### Objectives of the Course :

- To provide theoretical and practical knowledge in accounting and finance as required by the industry.
- To provide an exposure to the practical business world through Industry Institution interaction.
- To nurture standards of professional excellence, integrity, honesty and fairness.
- To attract industries and institutions of repute for campus recruitment.

### Course Content:

<b>FIRST SEMESTER</b> <ul style="list-style-type: none"><li>• Economic Environment and Policy</li><li>• Management and Organization Behavior</li><li>• Accounting Theory and Practice</li><li>• Financial Management and Policy</li><li>• Income Tax</li><li>• Quantitative Techniques for Decision Making</li></ul>	<b>SECOND SEMESTER</b> <ul style="list-style-type: none"><li>• Business Statistics &amp; Research Methodology</li><li>• Computer Applications in Business</li><li>• Working Capital Management</li><li>• Corporate Accounting and Reporting</li><li>• Corporate Financing &amp; Investment Decisions</li><li>• Business Taxation</li><li>• Internship</li></ul>
<b>THIRD SEMESTER</b> <ul style="list-style-type: none"><li>• <b>Choice Based Paper</b> -Personal Finance &amp; Investment Planning</li><li>• Contemporary Issues in Accounting</li><li>• Corporate Tax Planning</li><li>• Spl. Paper – I : Equity Research &amp; Security Market Operation</li><li>• Spl. Paper – II: Mergers, Acquisitions &amp; Corporate Restructuring</li><li>• Spl. Paper – III: Investment Banking &amp; Financial Services</li></ul>	<b>Fourth Semester</b> <ul style="list-style-type: none"><li>• Project Work International Financial Management</li><li>• Corporate Law, Ethics &amp; Governance</li><li>• Spl. Paper – IV: Cost &amp; Management Accounting</li><li>• Spl. Paper – V: Derivatives &amp; Risk Management</li><li>• Spl. Paper – VI: Portfolio Theory &amp; Management</li></ul>

### Highlights of the Course :

- Curriculum consists of theory and practical components in Finance and Accounting.
- Compulsory internship in large scale business undertaking.
- Recognized as research centre by Tumkur University.
- Compulsory project in the fourth semester.
- Exposure to research in finance and accounting.

### Eligibility Criteria :

Students with B. Com, BBM, and other Commerce and Management Degree from a recognized Indian and foreign University and secured aggregate 45% and above marks are eligible to join the Course.

### For more information contact :

**The Principal or  
Dr Suresh Poojary, Coordinator.**  
Mob : 9448696436  
Office : 0824-244970 : Extn No. 518



## Ph.D PROGRAMMES

The PG Bio-technology Department is a recognized centre for PhD Studies (Mangalore University). It has two Ph.D guides specialized in different areas of Biotechnology enabling competent students of diverse interests to pursue their PhD studies in this college.

### Ph.D Guides:

- |                     |                  |
|---------------------|------------------|
| 1. Dr. Smitha Hegde | Ph : 98861036077 |
| 2. Dr. Asha Abraham | Ph : 9449555802  |
| 3. Dr Shashi Kiran  | Ph : 9343141691  |

### How to apply:

As per notification by Mangalore University eligible candidates must register. Admission will be based on entrance test and interview conducted by Mangalore University. The mandatory course work for PhD is offered at the department.

### For more information contact :

Rev. Dr Leo D'Souza, The Director, Lab of Applied Biology Or Rev. Dr Melwyn D'Cunha, Mob : 9449664651  
Dr Shashi Kiran Ph: 9343341691  
Office: 0824 - 2449719 / 201

## Advanced Research Centre

St Aloysius Advanced Research Centre affiliated to Tumkur University was started in the month of August 2012. Seven departments of the College are recognized for research activity and 11 staff members are recognized as research guides.

The recognized departments are Chemistry, Bioscience, Economics, English, Kannada, Commerce and Management. The following staff members are approved guides:

Chemistry	:	1.	Dr Richard Gonsalves	9845023518
		2.	Dr Ronald Nazareth	9448154267
Kannada	:	1.	Dr Saraswathi	9448000478
		2.	Dr Vishwanath Badikana	9449615474
		3.	Dr Mahalinga Bhat	9449615469
English	:		Dr Lourduswamy	9448744522
Economics	:		Dr Norbert Lobo	9964144583
			Dr V. B. Hans	
Commerce	:		Dr Suresh Poojary	9448696436
Bioscience	:		Dr K.V. Nagalakshamma	9741317906
Management	:		Dr Babu Thomas	8722224995

Department of Chemistry and Department of Management are also considered as centres for PhD course work. Presently 45 research scholars are allotted under these guides to carry out their doctoral studies.

### How to apply:

Tumkur University notifies for PhD registration twice a year through their website [www.tumkuruniversity.in](http://www.tumkuruniversity.in) or through Newspaper. Students who register will have to write an entrance test on a prescribed syllabus. Those who qualify in the test will have to attend an interview and then choose an approved guide of the university through counseling.

**NET passed students are exempted from entrance test**

### For more information contact :

Dr Richard Gonsalves, Director, SAC Advanced Research Centre  
Mob: 9845023518. email: [richieag@yahoo.com](mailto:richieag@yahoo.com)  
Office: 2449700/Ext No: 521

## BT FINISHING SCHOOL (BTFS)

### BT finishing school

The department of Biotechnology conducts an advanced Post Graduate Diploma in Fermentation and Bioprocess as well as Plant Tissue Culture and Micro propagation as a part of Karnataka State Government sponsored program of BT Finishing School. The one year course has 6 months of academic training in the college; upon successful completion of which the student is placed in an Biotech Industry for six months for making students "Industry ready." Our industrial collaborators are Biocon and Navya Biologicals.

### Course Content :

<b>Fermentation and Bioprocessing Theory</b> <ul style="list-style-type: none"><li>• Upstream processing</li><li>• Biopharmaceutical Engineering &amp; Regulatory Affairs</li><li>• Bio-separation Technology</li><li>• Food Processing &amp; Fermentation Technology Practical</li><li>• Upstream processing &amp; Biopharmaceutical Engineering Laboratory</li><li>• Bio-separation Technology &amp; Food processing laboratory Project related to practical techniques</li><li>• Food Science..</li></ul>	<b>Plant Tissue Culture and Micro propagation Theory</b> <ul style="list-style-type: none"><li>• Plant Tissue Culture and Micro Propagation</li><li>• Advanced Techniques in Plant Tissue Culture</li><li>• Plant Development, Breeding and Trends in Biotechnology</li><li>• Lab to land</li></ul> <b>Practical</b> <ul style="list-style-type: none"><li>• Practical 1</li><li>• Project related to practical techniques</li></ul>
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### Eligibility criteria :

Post Graduate in Life sciences / BE (Biotech). KBAT ensures admission of students to Biotechnology Finishing Schools (BTFS) for Post Graduate Diploma in specialized Biotechnology-related job-oriented courses. Admissions will be through an online entrance test followed by an interview. The notification for the same will appear in the <http://www.btfskarnataka.org/> web site as well as in newspapers.

### For more information contact :

Dr Asha Abraham HOD, Mob: 9449555802

Mr. Sreejesh PC Co-ordinator

Mob : 9946546888

Office: 0824 - 2449719 / 223



## PGDBM/DBM

One year Post Graduate Diploma programmes in Business Management(PGDBM) and Diploma in Business Management (DBM) spread over 2 semesters

### Objectives of the Course :

1. To impart management education integrated with human values and discipline.
2. To produce highly competent managerial talent to match today's changed needs of business and industry.
3. To train the student to acquire the skills needed to become self employed professionals and entrepreneurs

### Course Content:

FIRST SEMESTER	SECOND SEMESTER
<ul style="list-style-type: none"><li>• Principles and Practice of Management.</li><li>• Indian Business Environment.</li><li>• Accounting and Finance for Managers</li><li>• Human Resource Management &amp; Industrial Relations.</li><li>• Marketing Management.</li></ul>	<ul style="list-style-type: none"><li>• Organization Behaviour</li><li>• Entrepreneurship and Small business Management.</li><li>• Materials Management and Store Keeping.</li><li>• Production &amp; Operations Management</li><li>• Project Management &amp; Project Study</li></ul>

### Eligibility Criteria :

- Bachelors degree in any discipline.
- Students awaiting results can also apply. But they must produce the degree certificate by December 2014
- Sponsored candidates from business given preference.

**Teaching pedagogy:** The pedagogy includes lecture sections, guided group discussions, analyzing case studies, management games, role playing, project studies and industry visits.

**Class Timings:** Monday to Friday 1:10 pm to 5.10 pm  
A Career Oriented Experience in Business and Management

### Special Features:

- A job oriented Programme
- Imparts theoretical and practical knowledge to manage a Business Successfully.
- Recognised by Government, Business and Industry.
- A valid connecting link to pursue MBA studies abroad.
- Visits to Factories and Industrial tours organized.
- Personality and leadership development seminars and management related workshops conducted.
- Programmes on Management Development conducted in association with the Ministry of Industry, Govt. of India.
- Training in Soft Skills, Managerial Grooming and Business Etiquette arranged.

### Career Opportunities

After completion of the course students are absorbed in senior and middle level positions in manufacturing and service oriented enterprises in the following functional areas.

- Materials control, purchasing and store.
- Human resource Management.
- Marketing.
- Financial and Accounting
- Business Process outsourcing and Information technology.
- Banking

### For more information contact :

The Principal or  
Prof. Edmund Frank, Dean & HOD  
Mobile : 9449592350  
Office : 0824-249700 / Ext. No.: 419

## PGDHRM

**One Year PG Diploma in Human Resource Management (PGDHRM)**  
Timing 5.30 pm to 7.30 pm Monday to Friday

### Course Highlights:

- Four subjects in each semester (Total of Two Semester)
- Each Semester Total 40 Hours class per subject (inclusive of Industrial Visits)
- Advance concepts in Human Resource Management
- Visits to Industrial Units
- Guest Lectures by Experts from the Industry
- HR Meets and Seminars
- Placement Assistance

#### For more information contact :

Ms. Vidya Vinutha D'Souza, Mobile : 9591346471

Office : 2449700; (0824) 2449703 (0824) 2449700

**For Admissions please contact:  
College Reception Counter**

### POST GRADUATE DEGREE COURSES AT AIMIT

**MCA** : Master of Computer Applications (Three year six semester course including project work)\*

**M.Sc.** : Bioinformatics (Two year four semester course including project work)\*

**M.Sc.** : Software Technology (Two year four semester course including project work)\*

**PGDCA**: Post Graduate Diploma in Computer Applications\*

**MBA.** : Master of Business Administration (Two year four semester course including project work)

Prospectus and application form is available in AIMIT Campus, Beerli, Mangalore. Ph: 0824-2286881, 2286890

\*APPLICATION ARE ALSO AVAILABLE IN THE COLLEGE WEBSITES

[www.staloysius.ac.in](http://www.staloysius.ac.in),



## DDU KAUSHAL KENDRA

The University Grants Commission (UGC) has launched a scheme on skills development based higher education as part of college/university education, leading to Bachelor of Vocation (B. Voc.). St. Aloysius College was awarded this status of Prestigious Kaushal Kendra by UGC to run three B. Voc. courses such as Retail Management, Food Processing and Engineering and Pharmaceutical Chemistry from the academic year 2015-2016.

### Courses offered

- Pharmaceutical Chemistry
- Food Processing and Engineering
- Retail Management

### The Course has 4 stages with 6 semesters.

- Semester-1 : Certificate Programme  
Semester-2 : Diploma  
Semester-3 & 4 : Advanced Diploma  
Semester- 5 & 6 : B.Voc Degree

### Salient features of the Course :

- Equipping students with knowledge, practice, & necessary job oriented skills enabling them to gain suitable employment .
- Curriculum collaborated with the industry requirements.
- Credit based Semester system
- Exposure to real time application development at the end of each semester except first semester.
- Certification of skill component by NSDC and various Sector Skill Council.
- Collaborations with Industries for training and placements.
- Internship in industry : partnership with 12 firms
- Multiple exit points in 4 stages
- Innovative and Career Oriented

### Eligibility

Basic eligibility for B.Voc is 10+2 and above in any stream  
(No age limit)

### For the Application Form and more information

Rev. Dr Praveen Martis SJ

Director - DDU Kaushal Kendra

Loyola Centre for Research and innovatin (LCR)

Tel: 0824-2980064/2449700 Ext : 610

Mob: 9738779608



## ST ALOYSIUS COMMUNITY COLLEGE

St Aloysius College has been recognised as Community College by the UGC and MHRD, New Delhi to offer skill based and job oriented programmes under Community College scheme. Community colleges are alternative education systems and provide horizontal and vertical mobility to students of local community. They are flexible, industry oriented and need based and aim at bringing students into the mainstream especially those who cannot afford higher education for various reasons.

**We offer six programmes under Community College scheme for the academic year 2016-17**

Certificate Courses- 3 month duration

1. Computer Animation and Networking
2. Travel and Tourism
3. Maintenance and Repair of Domestic Appliances
4. Retailing

**Advanced Certificate Courses- 6 month duration**

1. Computer Animation and Networking
2. Travel and Tourism

Highlights of the Courses

- Immediate jobs
- UGC recognised certificate
- Convenient timings
- Industry training
- Free Spoken English classes
- Funded by Govt of India

Eligibility: PUC pass.

**For more information contact :**

Dr A Lourdasamy, Coordinator Mob : 9448744522

## Computer Courses for Students

St Aloysius College offers computer courses to students of St Aloysius College, Employees and house wives during the academic year. Classes are conducted at convenient times for the benefit of students. Special fee concession is given to students.

For more information contact Counselor, PG Office : 2449709

Sl. No.	Course	Duration	Sl. No.	Course	Duration
1	MS Word	One Month	5.	Autocad	Two Months
2.	MS Excel	One Month	6.	HTML and Flash	One Month
3.	DTP Applications	Two Months	7.	Tally One Month	
4.	Diploma in Business Computing	Six Months			

Time: Morning Batch 7.30 am to 8.45 am  
Evening Batch 5.00 pm to 6.00 pm

(Monday to Friday)

# Under Graduate Courses

## BA (Bachelor of Arts) Degree Course

### LANGUAGES

English Hindi  
Kannada  
Konkani  
Addl. English  
Malayalam  
French

### OPTIONALS

a) History	Economics	Pol. Science
b) History	Economics	English Maj.
c) History	Kan. Maj.	Pol. Science
d) History	Kan. Maj.	Com. English
e) Journalism	Economics	English Maj.
f) Journalism	Economics	Com. English
g) Journalism	Psychology	English Maj.
h) Journalism	Computer Animation	English Maj.
i) Sociology	Psychology	Com. English
j) Sociology	Economics	Pol. Science
k) Sociology	Kan. Maj.	Pol. Science
l) Sociology	Social Work	Psychology

## BSc. (Bachelor of Science) Degree Course

### LANGUAGES

English Hindi  
Kannada  
Sanskrit  
Addl. English  
Malayalam  
French  
Konkani

### OPTIONALS

a) Physics	Chemistry	Mathematics
b) Physics	Electronics	Mathematics
c) Physics	Comp. Science	Mathematics
d) Physics	Comp. Animation Science	Mathematics
e) Physics	Statistics	Mathematics*
f) Comp. Science	Statistics	Mathematics
g) Comp. Science	Electronics	Mathematics
h) Chemistry	Botany	Zoology
i) Chemistry	Microbiology	Botany
j) Chemistry	Microbiology	Zoology
k) Bio-Chemistry	Botany	Zoology
l) Bio-Chemistry	Chemistry	Zoology
m) Bio-Chemistry	Chemistry	Botany
n) Biotechnology	Chemistry	Botany
o) Biotechnology	Chemistry	Zoology
p) Economics	Statistics	Mathematics

## B S W (Bachelor of Social Work) Degree Course

## B COM (Bachelor of Commerce) Degree Course Regular and Professional

## B B M (Bachelor of Business Management) Degree Course Regular and Professional

## B C A (Bachelor of Computer Application) Degree Course



**St Aloysius College (Autonomous)**

**P.B. No. 720, Mangaluru 575 003**

**Ph: 0824 - 2449700/01, Fax: 0824 - 2449705**

**email: principal@staloysius.edu.in**

**Visit us at [www.staloysius.edu.in](http://www.staloysius.edu.in), [www.staloysius.ac.in](http://www.staloysius.ac.in)**