



**OFFICE OF THE PRINCIPAL, S.K.C.G. (AUTONOMOUS) COLLEGE,  
PARALAKHEMUNDI, GAJAPATI, ODISHA-761200**

**Programme, Course & Course Specific Outcomes**

This Century old Government higher education institute accredited by NAAC and conferred Autonomous Status by UGC since 2002, has been providing UG and PG programmes in Physical and Biological Sciences, Arts and Commerce streams.

- The Bachelor of ARTS Programmes: The college provides BA Honours in the following Courses; Economics, English, Geography, History, Odia, Political Science and Sanskrit.

Objectives	Programme Outcome	Course Outcome
To enable students gaining requisite knowledge and acquire ability to apply them when required	On graduation, the student will have the following abilities: a) A fundamental as well as a higher level of understanding, comprehension, analysis and articulation of concepts studied. b) Will have the ability to identify problems/issues and come up with creative solutions.	On completion of the courses in humanities, like i) Economics, History and political Sciences, the students will develop the ability to analyse the different socio-economic issues, past and contemporary and can think about creative and feasible solutions. ii) A graduate in Geography will have the ability to identify, critically analyse the issues between man and the globe around, physical as well as the specific economic and social problems. iii) A graduate in languages like Odia, Sanskrit or English while acquiring a comprehensive idea in the language and literature in the concerned subject will be able to judge the literary quality of literary texts and its relevance to contemporary literature. <i>NB: The Course Specific Outcomes can be verified in the CBCS Syllabus uploaded on the College webpage.</i>

- The Bachelor of SCIENCE Programmes: The College provides B Sc Honours in the following Courses; Physics, Chemistry, Mathematics, Computer Science (SF) under Physical Sciences and Botany and Zoology under Biological Sciences.

Objectives	Programme Outcome	Course Outcome
To enable students gaining requisite knowledge and acquire ability to apply them when required	By the end of this program, 1) Graduates will be able to define, describe, and discuss the major theories and concepts of the field. 2) Generate ideas, proposals, solutions, or arguments independently. 3) Plan, design, write, discuss and carry out topical problems scientifically	A Bachelor in Physical Sciences will have theoretical and practical aspects of Physics, Chemistry, Mathematics and Computer Sciences. The Biological Sciences will enable students to comprehend, critically analyse the Cytological, biochemical and genetic phenomenon at gross, morphological to metabolic and molecular levels. A graduate in Computer Science will have hands-on and project experience that will help prepare for IT and Corporate fields. <i>NB: The Course Specific Outcomes can be verified in the CBCS Syllabus uploaded on the College webpage.</i>

## The Bachelor of COMMERCE Programme:

Objectives	Programme Outcome	Course Outcome
To enable students gaining requisite knowledge and acquire ability to apply them when required	After completing the 3 years B. Com course, a) students gets foundational and practical knowledge of Commerce and finance and management; b) Students develop business communication skill and can face business challenges in real world and corporate atmosphere;	The course while grounding well in the fundamental working concepts of commerce i) Enable students to critically interpret the complex world of business environment, including costing, accounting, and role CSR. ii) To acquire knowledge and apply in the various fields of management like production, finance, supply chain, marketing, HR ,taxation, E-Commerce ,etc <i>NB: The Course Specific Outcomes can be verified in the CBCS Syllabus uploaded on the College webpage.</i>

## POST GRADUATE PROGRAMMES

### Programme Outcome

- 1) Enable students come out as experts in their respective fields for higher studies and R&D.
- 2) Making well versant in wide range of the subject both in theory and practical problems thus making them ready for critical thinking and creative problem solving strategies.
- 3) Prepares them to pursue domain specific careers in teaching/academics, R&D, entrepreneurship/corporate sectors.

Programme Name	Course Outcome
MA in Odia	Please see the College webpage
MA in Economics	SEMESTER – I Core course: ECO 101 Microeconomic Analysis – I ECO 102 Macroeconomic Analysis –I ECO 103 Quantitative Methods and Computer Applications – I ECO 104 Public Economics –I ECO 105 Economics of Growth and Development-1 SEMESTER – II Core course: ECO 206 Microeconomic Analysis – II ECO 207 Macroeconomic Analysis – II ECO 208 Quantitative Methods and Computer Applications – II ECO 209 Public Economics –II ECO 210 Economics of Growth and Development –II SEMESTER – III Core Course ECO 311 International Trade and Finance – I

	<p>ECO 312 Economics of Social Sector Core Elective (Group-A) ECO 313 Mathematical Economics – I ECO 314 Industrial Economics – I ECO 315 Computer Application in Economic Analysis-I Core Elective (Group-B) ECO 316 Econometrics – I ECO 317 Financial Institutions and Markets – I ECO 318 Agricultural Economics –I ECO 319 Indian Economic Policy SEMESTER – IV Core Course: ECO 420 International Trade and Finance –II ECO 421 Economics of Environment and natural resources ECO 422 Research Methodology Core Elective (Group-A) ECO 423 Mathematical Economics –II ECO 424 Industrial Economics –II ECO 425 Research Project/Dissertation [Dissertation 60 Marks, Open Seminar presentation 20 marks &amp; VIVA – 20 MARKS] Core Elective (Group-B) ECO 426 Econometrics – II ECO 427 Financial Institutions and Markets – II ECO 428 Agricultural Economics –II</p>
<p>M Sc in Mathematics</p>	<p>SEMESTER-II MAT-101 Differential Equations MAT-102 Real Analysis MAT-103 Linear Algebra MAT-104 Complex Analysis MAT-105 Numerical Analysis SEMESTER-II MAT-206 Measure Theory MAT-207 Topology MAT-208 Abstract Algebra MAT-209 Probability Theory MAT-210 Mathematical Software (Practical) SEMESTER-III MAT-311 Functional Analysis-I MAT-312 Mathematical Statistics MAT-313 Number Theory (A student is allowed to opt any two papers.) MAT-314 Calculus of Variations and Integral Equations MAT-315 Commutative Algebra MAT-316 Fuzzy Sets and Its Applications MAT-317 Fourier Analysis MAT-318 Fluid Dynamics-I MAT-419 Graph Theory MAT-420 Functional Analysis-II MAT-421 Dissertation, Seminar Presentation and Viva (A student is allowed to opt any two papers.) MAT-422 Discrete Mathematics MAT-423 Operations Research</p>

	<p>MAT-424 Cryptography  MAT-425 Operator Theory  MAT-426 Fluid Dynamics-II</p>
M Sc in Chemistry	<p>SEMESTER-I:  CHE 101 Organic Chemistry-I  CHE 102 Inorganic Chemistry-I  CHE 103 Physical Chemistry-I  CHE 104 Physical Spectroscopy  CHE 105 Organic Practical  SEMESTER-II:  CHE 206 Organic Chemistry-II  CHE 207 Inorganic Chemistry-II  CHE 208 Physical Chemistry-II  CHE 209 Organic Spectroscopy  CHE 210 Inorganic Practical  SEMESTER- III:  CHE 311 Analytical Chemistry  CHE 312 Organic Synthesis  CHE 313 Organometallic Chemistry  CHE 314 Environmental Chemistry  CHE 315 Physical &amp; Analytical Practical  SEMESTER-IV:  CHE 416 Organic Chemistry-III  CHE 417 Physical Chemistry-III  CHE 418 Bio-organic Chemistry  CHE 419 Polymer Chemistry  CHE 420 Dissertation</p>
M Sc in Life Science	<p>SEMESTER -I  LSC 101 Biophysics and Biochemistry  LSC 102 Cell Biology &amp; Microbiology.  LSC 103 Genetics and Evolution  LSC 104 Practical  LSC 105 Practical  SEMESTER -II  LSC 206 Ecology &amp; Biostatistics  LSC 207 Mol. Biology &amp; Bio-Techniques  LSC 208 Biotechnology Basics  LSC 209 Practical  LSC 210 Practical  SEMESTER III (PLANT SCIENCE)  LSC 311 Plant Morphology &amp; Taxonomy  LSC 312 Plant Physiology  LSC 314 Practical  LSC 315 Practical  SEMESTER -III (ANIMAL SCIENCE)  LSC 311 Biology of Non-Chordata  LSC 312 Biology of Chordata  LSC 313 Ethology &amp; Developmental Biology  LSC 314 Practical  LSC 315 Practical  SEMESTER -IV  LSC 416 Plant Anatomy &amp; Developmental (Plant science)  Animal Physiology, Immunology &amp; Taxonomy(animal science)  LSC 417 Practical</p>

	<p>LSC 418 Special Paper (Biotechnology/Biochemistry/Environmental Biology)</p> <p>LSC 419 Practical</p> <p>LSC 420 Project &amp; Seminar</p>
M Com	<p>COM-101 Management Concepts and Organizational Behaviour</p> <p>COM -102 Corporate Financial Accounting</p> <p>COM -103 Managerial Economics</p> <p>COM -104 Statistics for Management</p> <p>COM -105 Financial Management</p> <p>COM -206 E-Commerce</p> <p>COM -207 International Business</p> <p>COM -208 Small Business Management</p> <p>COM -209 Social Survey and Research Methodology</p> <p>COM -210 Accounting for Managerial Decisions</p> <p>COM -311 (Practical)Project Report, Presentation and Viva Voce</p> <p>COM -312 Financial Institutions and Markets (A)Accounting &amp; Finance</p> <p>COM -313 Advanced Accounting</p> <p>COM -314 Security Analysis and Portfolio Management</p> <p>COM -315 Corporate Tax Planning</p> <p>COM -418 International Finance</p> <p>COM -419 Indian Accounting Standards and Corporate Reporting</p> <p>COM -420 (Practical)Business Communication and Soft Skill</p>