

**KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
Nanjanapuram, Erode - 638 107
DEPARTMENT OF BIOCHEMISTRY**

Program Outcomes for UG Programme

At the end of the programme, students will be able to:

PO Number	PO Statement
PO 1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO 2	Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language and make meaning of the world by connecting people, ideas, books, media and technology.
PO 3	Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
PO 4	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
PO 5	Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
PO 6	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
PO 7	Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.

Program Outcomes for B.Sc Biochemistry

At the end of the programme, students will be equipped with the Knowledge in:

PSO Number	PSO Statement
PSO 1	Comprehend the fundamental Biochemical principles and multiple important technical areas of Biochemistry.
PSO 2	To apply contextual knowledge and modern tools of Biochemical research for solving problems
PSO 3	Understanding the impact of Biochemistry on Environment, Society and other cultures outside the Scientific community
PSO 4	Writing and speaking about Biochemistry topics in a clear and concise manner according to professional standards
PSO 5	To demonstrate Professional and ethical attitude with enormous responsibility to serve the society.

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Program Outcomes for PG Programme

At the end of the programme, students will be able to:

PO Number	PO Statement
PO 1	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO 2	Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language and make meaning of the world by connecting people, ideas, books, media and technology.
PO 3	Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
PO 4	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
PO 5	Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
PO 6	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
PO 7	Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes.

Program Outcomes for M.Sc Biochemistry

At the end of the programme, students will be equipped with the Knowledge in:

PSO Number	PSO Statement
PSO 1	Representing the key principles of Biochemistry at an advanced level.
PSO 2	Identifying local and global issue that need intervention by a Biochemist and develop Biochemical approaches accordingly to solve the problems.
PSO 3	Demonstrating critical thinking skills/ laboratory techniques and be capable of designing, carrying out and interpreting Scientific experiments
PSO 4	Applying and effectively communicate Scientific reasoning and data analysis in both Written and Oral forums.
PSO 5	Exhibiting the principles of Scientific and Professional ethics and apply the knowledge gained in Biochemistry for lifelong learning.