

## COURSE OUTCOME

**Specific Learning Outcomes:** B.Sc. three year multidisciplinary courses in Physiology has been designed to enable students:

- ❖ **To understand the structure and function of cells, tissues, organs, and systems**
- ❖ **To explain the mechanisms of neural and hormonal control**
- ❖ **To describe the physiology of movement, sensation, and cognition**
- ❖ **To apply knowledge of physiological processes to understand human health and disease**
- ❖ **To analyse and interpret physiological data using statistical and computational tools**

**Specific Skill Enhancements:** B.Sc. three year multidisciplinary courses in Physiology has been designed to enhance academic skills of students from various aspects as follows:

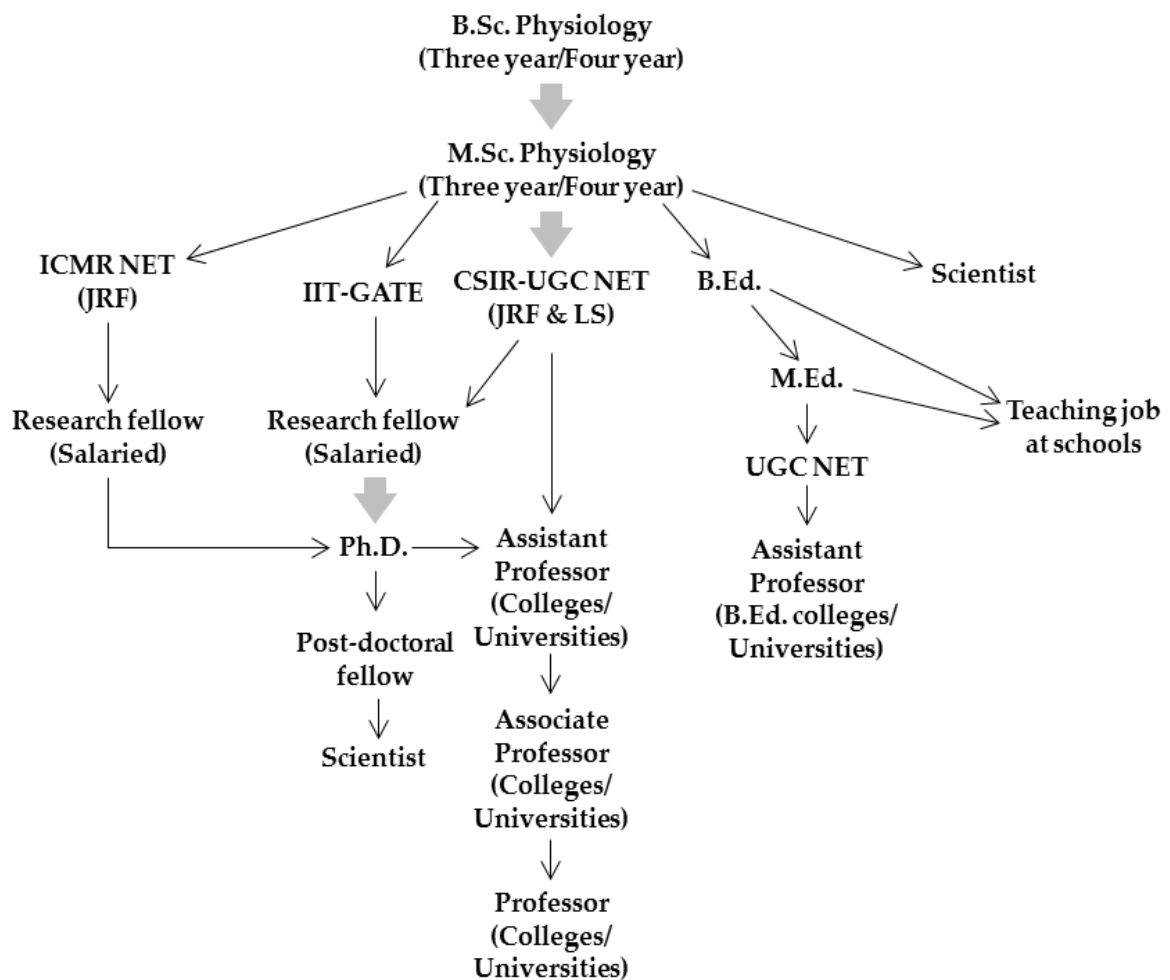
- ❖ **Explain fundamental physiological concepts:** Describe the functions and processes of living organisms, from molecules to systems, and their interactions.
- ❖ **Analyse physiological data:** Collect, analyse, and interpret physiological data, using appropriate techniques and tools.
- ❖ **Apply physiological principles:** Apply knowledge of physiological processes to understand human health and disease.
- ❖ **Design experiments:** Design and conduct experiments to test physiological hypotheses.
- ❖ **Communicate scientific information:** Effectively communicate physiological concepts and research findings, both orally and in writing.
- ❖ **Demonstrate critical thinking:** Critically evaluate scientific literature and research in physiology.
- ❖ **Apply ethical principles:** Apply ethical principles in physiological research and practice.
- ❖ **Work collaboratively:** Collaborate effectively with others in research, education, and healthcare settings.
- ❖ **Stay current in the field:** Stay up-to-date with advances in physiological research and apply this knowledge in professional settings.
- ❖ **Pursue further education or careers:** Pursue further education or careers in physiology, research, healthcare, education, or related fields.

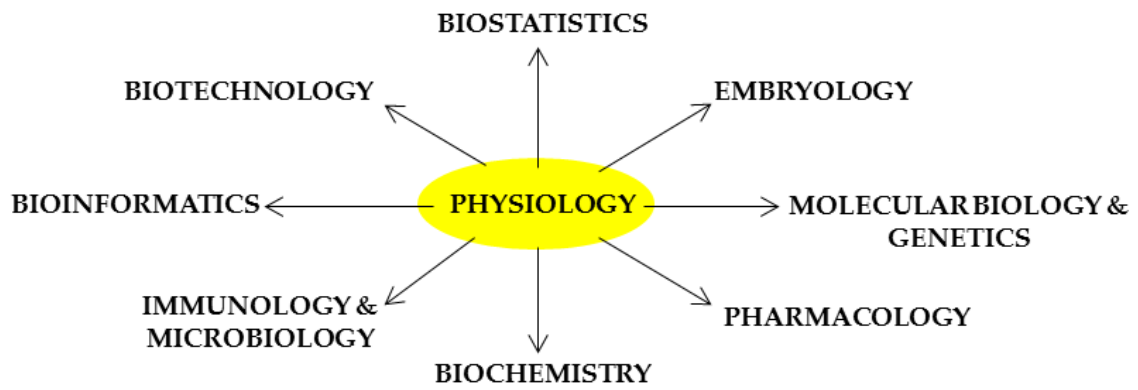
### **Job prospects:**

- **Professor/Lecturer:** If you have a passion for teaching and want to share your knowledge with others, this could be a great option.
- **Research Scientist/Fellow:** If you enjoy conducting research and want to contribute to new discoveries in the field of physiology, this could be the way to go.
- **Physiologist:** If you want to work directly in the field of physiology, this could also be a great option.
- **Cardiovascular Tech:** If you have a passion for heart health, this could be the perfect role for you.

- **Pharmaceutical expert:** If you have interest in drug designing and to join pharmaceutical companies physiology could be a good choice in during UG subject combination.
- **Geneticist Assistant:** If you're fascinated by genetics and want to work in a lab setting, this could be a great fit.
- **Healthcare Administrator:** If you have strong organizational skills and want to work in healthcare management, this could be the way to go.
- **Lab Technician:** If you enjoy working in lab setting and conducting tests, this could be the perfect role for you.
- **Personal Trainer/Sports and Fitness Instructor:** If you have a passion for fitness and want to help others achieve their fitness goals, this could be a great option.
- **Nutritionist/Dietician:** If you're interested in nutrition and want to help others make healthy food choices, this could be a great fit.

These are just a few examples of the many job opportunities available to those with a physiology background in India.





**MAJOR ARMS OF PHYSIOLOGY**