



**AMBIGA COLLEGE OF ARTS AND SCIENCE FOR WOMEN**  
**(AFFILIATED TO MADURAI KAMARAJ UNIVERSITY) &**  
**(ACCREDITED WITH 'B' GRADE IN NAAC)**

**ANNA NAGAR, MADURAI – 20.**

[www.ambigacollege.com](http://www.ambigacollege.com)

**B.Sc PHYSICS**

**COURSE OFFERED:**

B.SC. Physics Programme was Established in the year 2013-2014. This Programme is a three-year Undergraduate program comprising of theory and experimental courses mainly from Physics and few interdisciplinary courses from Mathematics and Computer Science. The program emphasizes on the fundamentals of Physics while introducing modern concepts such as Quantum Mechanics and Relativity proceeding over to Classical Mechanics Electrodynamics taking forward courses like Electricity and Magnetism. The mission of the programme is to lay a strong foundation in Classical and Modern Physics. Through the course curriculum and the opportunities to conduct individual research and field trips the student get holistic all-round development

**UNDER GRADUATE-Total Number of Papers- 43**

- ❖ Number of Papers in First year - I Semester -7, II Semester -8, Total-15
- ❖ Number of Papers in Second year -III Semester -5, IV Semester-7, Total-12
- ❖ Number of Papers in Third year - V Semester -6, VI Semester-10, Total-16

**Concession for above 80% in Semester Exam: 10% concession in fees**

**Higher Studies :**

- ❖ M.Sc. Physics
- ❖ B.Ed
- ❖ M.Sc. Astronomy
- ❖ M.Sc. in Material Science and Engineering
- ❖ M.Sc.in Applied Physics
- ❖ M.Sc. Nanotechnology

**Competitive Exam Opportunities ( Govt.)**

- ❖ NET
- ❖ SET
- ❖ BARC
- ❖ ISRO

**Employment Opportunities:**

- ❖ Technical Assistant
- ❖ Scientific assistant in BARC
- ❖ Content Writing
- ❖ Teacher
- ❖ Orient them for research and Higher Studies.
- ❖ Lab Technician
- ❖ Energy Sectors
- ❖ Government research agencies
- ❖ Pyrotechnics manufacturers

**Stay Home & Opportunities**

- ❖ Journal editing
- ❖ NEET, JEE coaching classes
- ❖ Subject Matter Experts