

Education for social change

azimpremjiuniversity.edu.in/B.Sc.B.Ed



Azim Premji
University



DUAL UNDERGRADUATE DEGREE SCIENCE AND EDUCATION

*A unique programme that opens up
multiple avenues for further study and work.*

The programme

A dual undergraduate degree in
science and education in a
four year residential programme

What degrees do you get?

A B.Sc+B.Ed. in 4 years

- Our degree helps you develop deep and thorough disciplinary knowledge in science as well as a practical and professional degree in education.
- We emphasise active and participative learning. As part of your study time, you will participate in discussions, research projects and field visits and enjoy the vibrant culture of our campus life.

You can apply if

- You have previously completed Class 12 board exams in any Indian board or equivalent international certificate.
- You will complete your Class 12 by July 2019.
- You have a score of 50%.

(If you are above 19 years of age, send us a Statement of Purpose)

Financial aid

- We believe that nobody should be denied admissions because of financial constraints.
- We provide extensive need-based scholarships.

You can choose any
future you like:

This undergraduate programme will expand your possibilities.
You will be equipped to become both an excellent scientist and
an outstanding science educator.

*We make sure that you study both science and education in great depth and with keen rigour for
a combined world of opportunities after the B.Sc.B.Ed degree:*

Study science and get hold of higher degrees for a career in academics.

Shape curricula for students of science.

Teach Science in schools.

*Becoming a teacher involves more than a lot of reading and theory. It needs a lot of focus and skill.
We prepare you for the art of teaching.*

We show you how to use what you learn in the classroom as a student
when you become a teacher.

We support you through your early years as a teacher – whether you have problems
dealing with students, or if you need to cope with the pressures of your work.

We connect you with our vast network of schools all over the country so you can
find a place where you want to teach.

Course Structure

YOU CAN CHOOSE MAJORS
FOR YOUR B.SC:

Life Sciences

Biology, Chemistry and Physics

Physical Sciences

Physics, Mathematics and Chemistry

Mathematics (*launching in 2019*)

*Join our vibrant
university for
a 4-year fully
residential
programme.*

Common Curriculum

The entire undergraduate cohort comes together at the beginning of the year. We help you build all tools you will need for the next few years of study. We introduce you to different modes of thoughts and themes to help you think critically, read closely and write well. We emphasise creative expression with the arts, music and craft.

+ Life Sciences or Physical Sciences or Mathematics

(as per your choice)

Our science programme helps you build a deep understanding of the natural world and how human endeavours to understand it have shaped the way in which we live. We believe in experiential learning. You will spend a lot of time with experiments and out in the field.

+ Education

Our programme will prepare you to understand a wide range of perspectives on education. With the Azim Premji Foundation and its vast network of schools, you will practice the craft of science education in different contexts.

SEMESTER	PHYSICAL SCIENCES	LIFE SCIENCES	MATHEMATICS
1-2	<ul style="list-style-type: none"> Introduction to Physics Pre-Calculus Mechanics Mathematics for Physics 1 	<ul style="list-style-type: none"> Introduction to Biology General Chemistry Quantitative Biology Physics for Biologists 1 	<ul style="list-style-type: none"> Introduction to Mathematical Thinking 1 Calculus 1 Introduction to Mathematical Thinking 2 Programming 1
COMMON CURRICULUM	Academic Writing Critical Reading Public Reasoning Understanding India: What is India? Who is an Indian?		
3-4	<ul style="list-style-type: none"> Electromagnetism Mathematics for Physics 2 Introduction to Mathematical Thinking Thermal Physics Waves Probability 	<ul style="list-style-type: none"> Molecular Biology and Biochemistry Genetics Physics for Biologists 2 Environmental Science Elective 1 Physics for Biologists 3 	<ul style="list-style-type: none"> Linear Algebra Calculus 2 Introduction to Physics Abstract Algebra Probability Programming 2
EDUCATION	The Nature and Purpose of Education School and Society Human Development Teaching and Learning FIELD INTERNSHIP IN DIFFERENT SCHOOL CONTEXTS IN INDIA		
5-6	<ul style="list-style-type: none"> Modern Physics Linear Algebra General Chemistry Inorganic Chemistry 	<ul style="list-style-type: none"> Understanding Plants Evolution Lab and Field Techniques in Biology Organic Chemistry 	<ul style="list-style-type: none"> Calculus 3 Introduction to Biology / Economics General Chemistry Math Elective 1 Nature and Methods of Mathematics
EDUCATION	Human Development Teaching and Learning History, Philosophy and Social Relevance of Science Introduction to Curriculum and Pedagogy and Assessment Language in Education FIELD INTERNSHIP IN DIFFERENT SCHOOL CONTEXTS IN INDIA		
7-8	Apprenticeship Schooling in India Indian Language for Science Teaching / Reading in Mathematics Education Curriculum, Instruction and Assessment for Science Teaching Building Science Experiments Teaching Maths / Revisiting School Mathematics Arts & Crafts in Education Technology and Art in Maths Teaching History and Foundation of Mathematics Electives		

Note: All course titles are indicative and are subject to revision in the actual programme.

Our vision

A just, equitable, humane and sustainable society.

Our philosophy

- Our community of faculty and mentors cares for each student and their needs.
- We help each of our students understand their hopes and capacity to nurture their dreams.
- We encourage you to think about the world we live in and India's complex past and present.

Education for social change

In early 2000, the Azim Premji Foundation began its work with elementary education in government schools all over India.

After a decade of work in the field, we recognised an important concern. India needed talented and qualified individuals who could contribute to the field of education and allied areas. Azim Premji University was born out of this need.

We offer 4 postgraduate degrees : M.A. Education, M.A. Development, M.A. Public Policy & Governance and an LLM in Law and Development.

We also offer undergraduate degrees in Social Science, Science, Humanities and a Dual degree in Science and Education.

We conduct several short courses for Professionals every year, in the field of education, development, policy and governance across the country.

Over a thousand of our graduates have gone on to create impactful work as agents of social work.

Apply:

www.azimpremjiuniversity.edu.in/B.Sc.B.Ed

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