



Ahmedabad
University

SCHOOL OF ARTS AND SCIENCES

A photograph of a modern, multi-level building interior. The scene is viewed from an elevated position, looking down through a glass railing. In the middle ground, two people are seated at a table, working on laptops. Large windows in the background offer a view of lush green trees. The architecture features concrete pillars and a ceiling with recessed lighting. A fire extinguisher is visible on the wall in the background.

PhD Programme
ARTS AND SCIENCES



About Ahmedabad University

Ahmedabad University is a private, non-profit institution established in 2009. We provide a liberal education, preparing students to reflect deeply and creatively across fields to become independent thinkers and compassionate leaders. This unique learning process is mediated by projects, fieldwork and a belief that a strong theoretical grounding leads to robust practice. As a student-centric, research university, we are committed to the discovery of ideas that can enhance our understanding of issues facing our world at the intersection of various axes of influence defined by: disciplines (data, materials, biology, and behavior), nature (air, water, forests, and land), sectors of impact (health, transport, energy, and education) and society (individual, community, civilization and constitution).



About School of Arts and Sciences

The School of Arts and Sciences forms the core of Ahmedabad University's educational experience. We offer graduate learning to the highest standards in a variety of academic disciplines, spanning the range from visual arts to life sciences, from physics to history.

The spectacular new School of Arts and Sciences building, designed by Rahul Mehrotra of RMA Architects, was opened in December 2019. It stands near the entrance to the University's 180-acre campus, and contains spaces that include psychology and biology labs, interactive classrooms, a two storey reading room and a unique double height black box theatre space. The environmentally sensitive building is a spectacular home to a dynamic educational initiative, and was conceived in the Indian modernist architectural tradition.

The School is a friendly and welcoming entity that engages with the wider society, and has since its formation hosted around one hundred eminent academic and specialist speakers from India and across the world to seminars or lectures. Students are encouraged to take part in this intellectual exchange. We are driven by a sense of social purpose and a passion for international cultural interaction. We hope that all those who join us as students will aspire to the pursuit of academic excellence, and our faculty are committed to providing the teaching and research support required to achieve this ambition.

As the world is obliged to address challenging new questions around technology, existential risk, the role of artificial intelligence, rapid social change and the complex moral and political demands these make on our existing understanding, we seek at Ahmedabad University to act as a welcoming bridge not only between the liberal arts and sciences but between academic and intellectual life.

Committed to offering students an excellent liberal education, the School practices collaborative, inter-disciplinary learning. We support a stimulating intellectual environment that enables our faculty and students to excel in their scholarship, develop new knowledge and build rewarding careers.

The School of Arts and Sciences asserts the centrality of the arts and sciences in a broad, fulfilling education and a diverse public sphere. The School comprises of five divisions: Humanities and Languages; Social Sciences; Biological and Life Sciences; Mathematical and Physical Sciences and Visual and Performing Arts.



RESEARCH AREAS

The areas for research at the Amrut Mody School of Management, Ahmedabad University include but are not limited to:

HUMANITIES AND SOCIAL SCIENCES

The PhD programme in Interdisciplinary Humanities and Social Sciences (IHS) at Ahmedabad University is unique in India. Unlike conventional doctoral programmes, the framework of our IHS programme recognises the inherently interdisciplinary nature of knowledge production. The programme integrates theoretical training with a focus on cutting-edge research methods, and allows for flexibility in designing interdisciplinary and disciplinary research projects. Students who wish to design an interdisciplinary PhD project are trained to pursue novel research questions that transcend disciplinary silos across the humanities and social sciences. The programme is equally committed to cultivating disciplinary depth and also supports scholars who are interested in pursuing research in the following disciplines: Psychology, History, Political Science Philosophy, Urban Studies, Anthropology and Sociology including Cognitive Science, Resilience Science, Clinical Psychology, Urban Studies, Caste and Modernity, Anthropology of Religion, Political Behaviour/Political Economy, Environmental Anthropology/ Environmental History, Early Modern & Modern South Asian History, Cultural and Intellectual Histories, Musicology/Ethnomusicology Visual Culture in Modern South Asia, Indian Philosophy and Religion.

LIFE SCIENCES

Species, Climate Warming, and Evolution, Behavioural Neuroscience, Neurophysiology, Computational Neuroscience, Behavioral Ecology and Wildlife Biology, Animal Behaviour and Disease Ecology, Mathematical Ecology, Cancer Biology, Plant Biology, Molecular parasitology, Forensic Science and Toxicology, Systems Biology and Evolution, Structural Biology/ Biochemistry/Bioinformatics, Nanobiotechnology

PHYSICS

Astronomy and Astrophysics, Gravitation, Astroparticle Physics and Cosmology, Condensed Matter Physics and Statistical Physics, Plasma and Ion Beam Physics, Optical Magnetometry, Quantum sensors and Photonics, Atmospheric Physics, Air Pollution, and Climate Change

MATHEMATICAL AND COMPUTATIONAL SCIENCES

Number Theory: Modular Forms, Automorphic Forms, and Automorphic Representations, Analytic Number Theory, Combinatorics: Additive Combinatorics, Combinatorial Number Theory, Enumerative and Algebraic Combinatorics, Mathematical Physics and String Theory, Low Dimensional Topology, Noncommutative and Quantum Topology, Quantum Computing, Data Science and Statistics: Bayesian Statistics, Network Analysis, and High - Dimensional Statistics, Combinatorial Algorithms, Population Genetics, Statistical Computing, Bioinformatics, Mathematical Biology, Computational Biology, and Theoretical Ecology, Scientific Computing, Technology-Enhanced Learning and Teaching, Learning Analytics, and Artificial Intelligence in Education



Highlights of the School of Arts and Sciences

- More than 20 PhD students are working currently and 15 students have graduated so far
- About 20 plus ongoing/completed externally funded research projects. Funding agencies include Science and Engineering Research Board, Department of Biotechnology, Indian Council of Medical Research, Board of Research in Nuclear Sciences, Department of Atomic Energy, Indo-German Bilateral Grant, Gujarat State Biotechnology Mission, International Union for Conservation of Nature, Spencer Foundation, United States of America, US National Academy of Education, and DST Indo-Russian Grant
- Many of the faculty members have received prestigious national and international level fellowships like Ramalingaswamy Fellowship, Ramanujan Fellowship, Welcome DBT India Alliance Fellowship, European Molecular Biology Organization EMBO, Yamagiwa-Yoshida (YY) Memorial International Cancer Study Grant-Japan, Social Science Research Council (USA), Indian Council of Social Science Research (ICSSR)-IMPRESS Grant, and Endeavor Research Fellowship-Australia
- More than 25 publications in peer-reviewed international journals in 2019-2020
- Nine laboratories and advanced research facilities that maintain state-of-the-art equipment and instrumentation supporting a full range of biological and life sciences research activities. Talks and presentations from experts around the globe are a key part of the vibrant research environment at the school

Faculty Research

More than 50 PhD students are working currently and 15 students have graduated so far. About 30 plus ongoing/completed externally funded research projects. Funding agencies include Science and Engineering Research Board, Department of Biotechnology, Indian Council of Medical Research, Board of Research in Nuclear Sciences, Department of Atomic Energy, Indo-German Bilateral Grant, Gujarat State Biotechnology Mission, International Union for Conservation of Nature, Spencer Foundation, United States of America, US National Academy of Education, and DST Indo-Russian Grant. Many of the faculty members have received prestigious national and international level fellowships like Ramalingaswamy Fellowship, Ramanujan Fellowship, Welcome DBT India Alliance Fellowship, European Molecular Biology Organization EMBO, Yamagiwa-Yoshida (YY) Memorial International Cancer Study Grant-Japan, Social Science Research Council (USA), Indian Council of Social Science Research (ICSSR)-IMPRESS Grant, and Endeavor Research Fellowship- Australia. Many laboratories and advanced research facilities that maintain state-of-the-art equipment and instrumentation supporting a full range of biological and life sciences research activities. Talks and presentations from experts around the globe are a key part of the vibrant research environment at the school.

For further information about School and faculty profile, please visit www.ahduni.edu.in/sas/faculty

Eligibility

HUMANITIES AND SOCIAL SCIENCES

All potential candidates must apply through the Graduate Application Portal. The admission requirement for the PhD programme includes a Master's degree (minimum 55%) or equivalent training in any of the social sciences, humanities or related disciplines, a brief statement of research interest, and a writing sample. Based on the information submitted through the application portal, candidates will be shortlisted for a written exam. Those successful in the written exam will be selected for an interview. Applicants with a score of 60% or more in the UGC-NET exam are exempted from the written exam but must go through an interview process if shortlisted. In exceptional cases, a candidate with a Bachelor's degree in any discipline who displays remarkable interest and potential for research in the humanities and social sciences may be admitted to the programme, albeit with the requirement of completing additional credits as per the overall PhD policy of Ahmedabad University.

LIFE SCIENCES

Candidates having a first class (55% and above) Masters degree or an equivalent grade in a point scale where the grading system is followed, in any of the areas given below, are eligible to apply for the PhD programme in Biological and Life Sciences. These areas include any area of Biological or Biomedical Sciences broadly defined. They include but are not confined to Biochemistry, Microbiology, Biotenchnology, Botany, Zoology, Chemistry, Life Sciences, Nanotechnology, Physiology, Biophysics, Toxicology, Bioinformatics, Environmental Science, Environmental Engineering, Biomedical Engineering, and Forensic Sciences (Biology/Chemistry). An equivalent degree in subjects related to biological sciences, or other areas of science and engineering may be considered if the candidate can demonstrate strong scholastic ability, and an interest in biological sciences.

PHYSICS

Candidates with a score of minimum 55% or equivalent grades in M.Sc/MS/ME/MTech are eligible to apply. The School of Arts and Sciences will conduct a written test and interview. However, applicants who have qualified CSIR-UGC NET (JRF) or have more than 90 percentile in JEST/GATE will be exempted from the written test and will be directly called for the interview. In exceptional cases, a candidate having a four-year bachelor's degree may be admitted to the PhD Physics Programme, albeit with the requirement of completing additional credits as per the overall PhD policy of Ahmedabad University. For more information, the candidates may reach out to programmechair-phd_physics@ahduni.edu.in.

MATHEMATICAL AND COMPUTATIONAL SCIENCES

Candidates having a first class (55% and above) master's degree or an equivalent grade in a point scale where the grading system is followed, in any of areas given below, are eligible to apply for the PhD programme in Mathematical and Computational Sciences. These areas include Mathematics, Statistics, Computer Science, Engineering, and Physics.

Candidates having a four-year bachelor's degree in the above subjects may also be admitted to the Programme provided they have secured (60 percent and above) or an equivalent grade in a point scale where the grading system is followed. Such students will be admitted to the PhD programme first as pre-doctoral candidates and will be treated as doctoral candidates only upon completion of the requirements.

Admission Process

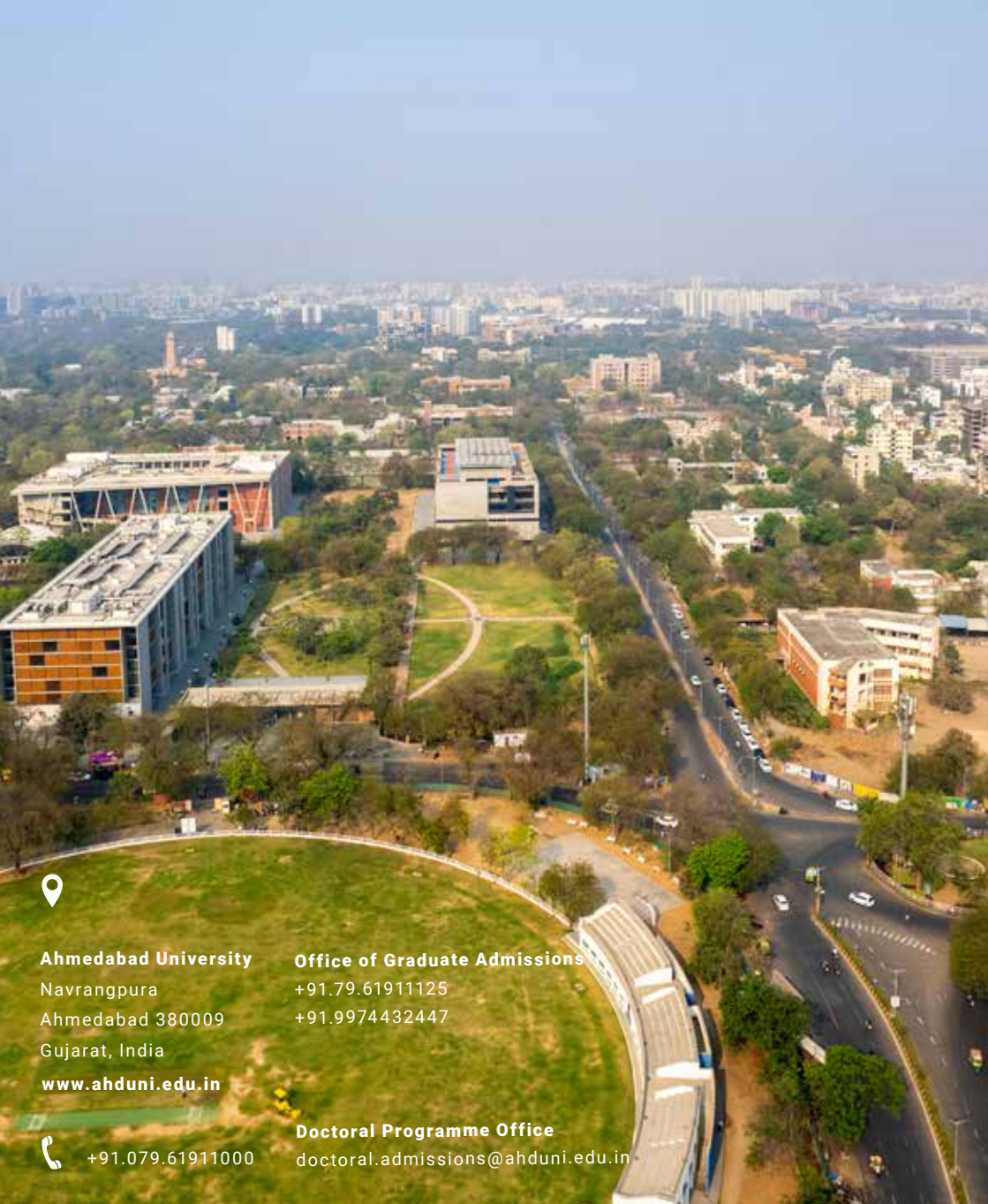
- Students are admitted twice every year. The online application process for the monsoon semester starts in February and the online application process for the winter semester starts in September.
- Submit the completed application form online along with the required fees and all supporting documents through the portal www.auris.ahduni.edu.in/adm-ahduni-doctoral.php
- Eligible and qualifying candidates will be short-listed based on merit, the submitted documents, statement of purpose, and any essay (if required). They will be required to appear for a written test and/or panel interview
- The dates for written test/interview will be notified in advance
- Shortlisted candidates will be called for an interview. The final selection of candidates to the PhD programme in Mathematical and Computational Sciences will be based on their performance in the national level/standardised tests (CSIR/UGC/ICMR/DBT/DST INSPIRE/GATE/GRE Subject Test etc) and the interview

Financial Support

The University awards full tuition fee waiver and financial support to full-time doctoral students. The University also encourages Indian and foreign students to apply for funding from external sources. The financial support could be either University Assistantship or University Fellowship, or from external sources. We offer University Assistantships at INR 40,000 per month plus tuition fee waiver, and University Fellowships at INR 50,000 per month plus tuition fee waiver.







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