

CENTRAL UNIVERSITIES COMMON ENTRANCE TEST (CUCET) – 2017

Programmes and Eligibility

TWO-YEAR MASTERS AND PH.D. PROGRAMMES AT CENTRAL UNIVERSITY OF JHARKHAND, RANCHI

Two- Year Masters Programmes

Minimum Eligibility Criteria

- A. **Science, Technology & Management:** Minimum 55% marks in qualifying degree for general category and 50% marks for SC/ST/OBC (Non Creamy Layer)/ PWD candidates
- B. **Arts, Humanities and Social Sciences:** Minimum 50 % marks in qualifying degree for general category and 45% marks for SC/ST/OBC (Non Creamy Layer)/PWD candidates
- C. **Theatre and Music:** Minimum 45% marks in qualifying degree for general category and 40% marks for SC/ST/OBC (Non Creamy Layer)/PWD candidates

S.N.	Centres	Courses to be Offered	Intake	Eligibility
1	Water Engineering & Management	M.Tech. in Water Engineering and Management	10	B.E./B.Tech. in Agricultural or Civil Engineering
2	Energy Engineering	M.Tech. in Energy Engineering	10	B.E./B.Tech. in Mechanical /Electrical/ Electronics/Chemical / Energy Engineering/ Materials Science and Engineering/ Technology or M.Sc. in Physics/Chemistry
3	Nanotechnology	M.Tech. in Nanotechnology	10	B.E./B.Tech-Mechanical Electrical/Electrical/Electronics/Polymer / Chemical/Metallurgy/Material Science and Technology /ceramics/Biotechnology. M.Sc. in Physics and Chemistry/Bio Sciences/Electronics
4	Business Administration	MBA	10	Bachelor's Degree in any discipline. Admission will be on the basis of

				CUCET score followed by GD & Personal Interview.
5	Applied Physics	M.Sc. in Physics	10	B.Sc./B.Sc. (Hons.) with Physics as one of the subjects in all three years.
6	Applied Chemistry	M.Sc. in Chemistry	10	Bachelor Degree with Honours/Graduation with Physics, Chemistry and Mathematics combination
7	Applied Mathematics	M.Sc. in Mathematics	10	B. Sc. with Mathematics/ Statistics, but should have studied Mathematics as a subject in all the three years
8	Life Sciences	M.Sc. in Life Science	10	B.Sc, in Bio- Sciences /Botony /Zoology /Biology /Biotechnology /Biochemistry /Life Science /Microbiology /Genetics /Agriculture Science
9	Environmental Science	M.Sc. in Environmental Science	10	B.Sc./B.Tech. in any discipline of Science & Technology / Engineering/ Agricultural / Veterinary /Forestry / Wildlife / Earth Sciences
10	Land Resources Management	M.Sc. in Geo-informatics	10	Bachelor degree in Environmental Science / Forestry/ Geography / Chemistry / Physics / Geology / Geophysics / Mathematics / Oceanography/ Agriculture/ Atmospheric Sciences/ Climatology/ Information Science/ Computer Science/ Disaster Management/ Electronics /Town Planning / Botany/ Zoology/ allied disciplines
11	Mass Communication	M.A. in Mass Communication	10	Bachelor's Degree in any Discipline
12	Indigenous Culture Studies	M.A. in Indigenous Culture Studies	10	Bachelor's Degree in any Discipline
13	English Studies	M.A. in English	10	B.A. English (Hons.) or English should have been studied as a subject in all three years at B.A. level
14	International Relations	M.A in International Relationship	10	Bachelor Degree in any discipline
15	Performing Arts	M.A. in Performing Arts <ul style="list-style-type: none"> • Specialization in 	10+10	Vocal Music: BPA/B.Mus./BA (Music)/B.A. (Any Discipline with Diploma/ <i>Prabhakar/ Sangeet Visharad</i> or equivalent

		Vocal Music • Specialization in Theatre Arts		Theatre Arts: Bachelor degree in any discipline Note: Selection will be done on the basis of audition along with the entrance examination
16	Human Rights & Conflict Management	M.A. in Human Right & Conflict Management	10	Bachelor Degree in any discipline
17	Tribal & Customary Law	M.A./ L.L.M. in Tribal & Customary Law	5+5	B.A./B.Com./B.Sc./ L.L.B.
18	Tribal Folklore Languages and Literatures	M.A. in Folkloristics	10	Bachelor Degree in any discipline
19	Centre for Education	B.Ed. (Two Years)	50	Bachelor's Degree and/or in the Master's Degree in Sciences/Social Sciences/Humanity, Bachelor's in Engineering or Technology with specialization in Science and Mathematics or any other qualification equivalent thereto are eligible for admission to the Bachelor of Education programme. Merit list will be prepared on the basis of marks obtained in the qualifying examination and/or in the entrance examination or any other selection process as per the policy of the government/U.T. Administration and the University. The distribution of Seats across different curricular areas shall be as under :- <ul style="list-style-type: none"> • Social Science-12 Seats • Language-10 Seats • Physical Science + Mathematics-18 Seats • Life Science-10 Seats

Ph.D. PROGRAMMES

Minimum Eligibility Criteria

Candidates for admission to the Ph. D. programme shall have a Master's Degree or a Professional Degree in a relevant area declared equivalent to the Master's Degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.

A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-Abled and other categories of candidates as per the decision of the UGC from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.

Candidates possessing a degree considered equivalent to M.Phil. Degree of an Indian Institution, from a Foreign Educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions, shall be eligible for admission to Ph.D. programme.

S.N.	Centres	Eligibility	Seats	Specializations
1.	Applied Physics	M.Sc. in Physics	07	Photonic crystals, Photonic devices, slow light, optical solution propagation, Experimental Condensed Matter Physics, Nanoscale Physics, Multiferroics, Theoretical condensed matter Physics, Statistical Physics, Experimental Nuclear Physics, Theoretical High Energy Physics, Semi-Conductor devices, Nuclear Detectors, Defect Studies
2.	Applied Chemistry	Master Degree in Chemistry/ Applied Chemistry	07	Physical, Inorganic and Organic Chemistry
3.	Applied Mathematics	M.Sc. in Mathematics/ M. Maths	03	Algebra, Number Theory, Differential Equations and Applied Mathematics
4.	Life Sciences	M.Sc. Life Science / Bio. Science / Botany/ Zoology/ Biotechnology/ Biochemistry/	06	Molecular Plant Physiology & Biochemistry, Cancer Biology, Molecular Biology, Microbiology/

		Microbiology/Genetics		Biotechnology, Developmental Biology
5.	Environmental Sciences	M.Sc./ M.Tech. / M.Sc.(Tech.) / M.Sc. in Environmental Sciences & Sustainable Development, Earth & Atmospheric Sciences, Life Sciences, Remote Sensing, Chemistry, or in a cognate / allied subject	04	Atmospheric Sciences/Micrometeorology Biofuels/Energy conservation Ecology/Forestry Soil Science/Toxicology
6.	Mass Communication	Master degree in Communication/Mass Communication/Journalism/Electronic Media/Media/Film/Advertising/Public Relations/New Media/Development Communication	02	Electronic Media , New Media, Cinema, Rural Development and Development Communication
7.	Indigenous Culture Studies	Masters in Indigenous Culture Studies, Tribal Studies, English or any Tribal Language, Literature, Linguistics, History, Cultural and Social Anthropology, Sociology, Museology, Archaeology Note: Selected candidates are expected to pursue Ph.D. on Indigenous/ Tribal Issues	03	Cultural Heritage Management, Ethnography, Tribal History, Material Culture, Tribal Languages, Tribal Literature, Endangered Languages, Sociolinguistics, General Linguistics, Indigenous People and Land Relations, Indigenous Movements, Indigenous Food Security, Indigenous Knowledge System
8.	Tibetan Language	Master Degree in Tibetan Studies, Buddhist Studies Acharya, Himalaya Studies, and Tibetan Buddhist Philosophy	01	Tibetan language culture, and Tibetan Buddhist Studies.
9.	Tribal Folklore, Language & Literature	Master in any discipline with field work experience.	01	Fokloristics
10.	Human Rights & Conflict Management	M.A in any discipline from Social Sciences	01	Governance and public policy
11.	Business Administration	Master degree in MBA/PGDM	02	Finance and Human Resource
12.	Humanities & Social Sciences	Master Degree in Sociology or Economics	02	Economics Sociology of Education, Sociology of Development, Sociology of marginalized Groups, Civil Society

13.	Nanotechnology	M.E./ M. Tech. in appropriate branch of engineering and technology	03	Materials, Energy materials, surface and thin film, multiferroics, magnetic materials, supercapacitors, Hydrogen storage materials, photocatalyst
14.	Water Engineering & Management	M.Tech. in Civil Engineering/Agriculture Engineering/ Environmental Engineering/ Hydrology/ Water Resources/ Irrigation and Drainage Engineering/ Soil and Water Conservation Engineering/ Water Science & Technology and Int. M.Tech. in Water Engineering & Management	05	Slope Stability analysis/Ground improvement/ Environmental Geotechnology and Earthquake Geotechnical Engineering; Hydrological modelling/Irrigation system management/Urban Flood Management; Oriental Reservoir operation/Flood Hazard planning and management/ Flood forecasting; Soft computing; Climate change and climate variability/Climate change impacts on water resources/ Drought assessment/Application of RS & GIS in the field of watershed management
15.	Energy Engineering	M.E./M.Tech. in Electrical / Mechanical / Chemical / Energy Engineering/ Materials Science or equivalent	03	Solar photoactive materials, Solar photovoltaics, Alternate fuels
16.	Land Resource Management	Master Degree in Remote Sensing /Geoinformatics / Geomatics OR Master degree in Geography, Environmental Sciences/ Forestry/ Chemistry/ Physics/ Geology/ Geophysics/ Mathematics/ Oceanography/ Agriculture/ Atmospheric Sciences/ Climatology/ Information Science/ Computer Science/ Disaster Management/ Electronics/ Town Planning/ Botany/ Zoology/ Allied disciplines with at least PG Diploma in RS & GIS	02	Microwave and Hyperspectral Remote Sensing focusing on Forestry, Geological/ Mineral Studies, Flood Modelling
17.	Performing Arts	M.P.A./M.Mus./M.A. in Music or Master's degree in allied subject and having passed any one of the following programmes: B. (Mus.)/ <i>Sangeet Visharad/ Prabhakar/ Sangeet Vid</i> or equivalent qualification	02	Hindustani Classical, Semi Classical, Folk Music, Rabindra Sangeet, Musical Theatre, Voice Culture, Music Therapy, Gharana and Science of Music
18.	International Relations	Master Degree in relevant subjects from any recognised University	03	International Politics, National Security, Environmental Conflict in International Politics,

				South Asia, Indian, Foreign Policy, US-BD Relations. South Asia Indian Foreign Policy, India-Nepal Relations, <i>Gandhian</i> Studies,
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Dr. Dev Vrat Singh
Nodal Officer, CUCET-2017