

SECTION - 3

SCIENCE COURSES

FACULTY OF SCIENCE

Course wise Details of Eligibility for Application, Courses of Study, Eligibility Criteria and No. of Seats.

Courses bearing following Sl. NO. 1 to 28 are offered directly in University Departments and Courses bearing Sl.No.29 to 76 are offered by the different UG colleges affiliated of this University.

Sl. No.	Courses	Abbreviation	Group No.	Code No.	No. of Seats	Minimum Eligibility
	M.Sc. / M.A.					
1	Physics	PHCU	01	221	70+4	At least 55% marks in B.Sc. (Hons.) in Physics or its equiv.
2	Chemistry	CHCU	04	222	70+4	At least 55% marks in B.Sc. (Hons.) in Chemistry with Mathematics as one of the General Subject or its equiv.
3	Applied Mathematics	AMCU	06	223	44+3	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equiv.
4	Pure Mathematics	PMCU	06	224	70+4	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equiv.
5	Psychology	PSCU	05	225	42+3	At least 55% marks in B.A./ B. Sc. (Hons.) in Psychology or its equiv.
6	Applied Psychology	APCU	05	226	42+3	At least 55% marks in B.A./B.Sc. (Hons.) in Psychology or its equiv.
7	Human Physiology	HPCU	07	227	39+2	At least 55% marks in B.Sc. (Hons.) in Physiology or its equiv.
8	Zoology	ZOCU	12	228	70+4	At least 55% marks in B.Sc. (Hons.) in Zoology or its equiv.
9	Botany	BTCU	10	229	50+3	At least 55% marks in B.Sc. (Hons.) in Botany or its equiv.
10	Anthropology	ANTH	20	230	28+2	At least 55% marks in B.Sc. (Hons.) in Anthropology or its equiv.
11	Geography	GGCU	15	231	120+7	At least 55% marks in B.Sc. / B.A. (Hons.) in Geography or its equiv.
12	Statistics	STAT	13	232	35+2	At least 55% marks in B.Sc. (Hons.) in Statistics / B. Stat. or its equiv. All the candidates, both C.U. and Non-C.U. (Both Part A &Part B) have to appear in the Entrance Test.
13	Microbiology	MICU	11	233	15+1	At least 55% marks in B.Sc. (Hons.) in Microbiology or its equiv.
14	Computer Science	CSCU	03	234	30+2	At least 55% marks in B.Sc. (Hons.) in Computer Science or its equiv. All the candidates, both C.U. and Non-C.U. (Both Part A &Part B) have to appear in the Entrance Test.
15	Electronic Science	ESCU	02, 01	235	25+2	At least 55% marks in B.Sc. (Hons.) in Electronics / Physics or its equiv.

16	<p>Applied Geology: AGCU Group No. 14 Code: 236 SEAT: 28+2 Dept.: Geology</p> <p>Eligibility: i) At least 55% marks in B.Sc. Hons in Geology.</p>
17	<p>Bio-Chemistry: *BIOC Group No. 16 Code: 237 SEAT: 60+4 Dept.: Biochemistry</p> <p>Eligibility: At least 55% marks in B.Sc. (Hons.) in Chemistry / Biochemistry/ Physics / Zoology/Botany/ Physiology / Microbiology / Anthropology / Environmental Science / any Life Sc. or its equiv. All the candidates should have Chemistry as one of the General subjects (except the candidates with (Hons.) in Chemistry / Bio Chemistry) at the under Graduate level. All the candidates should have 60% marks in aggregate in Physics, Chemistry, and Mathematics at 10+2 level except C.U. BioChemistry (Hons) Candidate. Part A : 60% of total seat is earmarked for C.U. BC Hons current year candidates. Part B : 40% of total seat is open to all for both C.U. & Non C.U. current year & previous year BC Hons& other eligible Hons. candidates.</p>
18	<p>Marine Science: *MRSC Group No. 22 Code: 238 SEAT : 17+3</p> <p>Eligibility: At least 55% marks in B.Sc. (Hons.) in Chemistry/Biochemistry and Hons. in Zoology / Botany / Geology / Physiology / Microbiology / Anthropology / Environmental Science / Physics or its equiv. All the candidates should have 55% marks in aggregate in Physics, Chemistry, and Mathematics at 10+2 level.</p>
19	<p>Bio-Physics & Molecular Biology : *BMB Group No. 08 Code: 239 SEAT:20+2</p> <p>Eligibility: B.Sc. (Hons.) in Physics / Chemistry / Zoology / Botany / Physiology / Biochemistry / Microbiology / Life Sciences / Anthropology / Environmental Science / MBBS / B.Tech in Biotechnology / B. Pharm or equivalent. All the candidates must have At least 55% marks in B.Sc. (Hons.) and at least 60 % marks in each in Biology, Physics, Chemistry, and Mathematics / Statistics at (10+2) level. All the candidates, both C.U. and Non-C.U. (Both Part A &Part B) have to appear in the common Entrance Test.</p>
20	<p>Bio-Technology: *BIOT Group No. 17 Code: 241 SEAT: 14+2</p> <p>Eligibility: At least 55% marks in B.Sc. (Hons.) in Chemistry / Biochemistry/ Physics / Zoology/Botany/ Physiology / Microbiology / Anthropology / Environmental Science / any Life Sc. or its equiv. All the candidates should have Chemistry as one of the General subjects (except the candidates with (Hons.) in Chemistry / Bio Chemistry) at the under Graduate level or its equiv. Bachelor in Agricultural Science, B.Tech in Biotechnology, M.B.B.S. All the candidates should have at least 60% marks in avg. in best 3 subjects in science group at (10+2) level.</p>
21	<p>Genetics: *GENT Group NO. 09 Code: 242 SEAT: 10+1</p> <p>Eligibility: B.Sc. (Hons.) in Anthropology, Botany, Zoology, Chemistry, Biochemistry, Microbiology, / Environmental Sciene / Physics or Physiology or its equiv. All the candidates should have Chemistry as one of the General subjects (except the candidates with Hons in Chemistry / Bio Chemistry/Genetics) at the under Graduate level. The candidates with M.B.B.S./B.Sc. (Ag) / BDS are also eligible. All the candidates should have At least 55% marks in B.Sc. (Hons.) and at least 60% marks on average in best three subjects in Science Group at (10+2) level.</p>
22	<p>Neuro Science : *NRSC Group No. 24 Code 243 Seat : 13+2</p> <p>Eligibility: B.Sc. (Hons.) in any Life Science Subjects/Chemistry/Biochemistry/Anthropology/Environmental Science/Physics/Mathematics/Computer Science/Informatics. All the above candidates should have Chemistry as one of the General Subjects except the candidates with Hons. in Chemistry/Biochemistry. M.B.B.S, Graduates from Pharmacy / Pharmacology are also eligible. All the candidates should have At least 55% marks in B.Sc. (Hons.) and at least 60% marks on average in best three subjects in Science Group at -(10+2) level.</p>

23	<p>Environmental Science: *EVCU Group No. 18 Code: 244 SEAT: 15+1</p> <p>Eligibility:</p> <p>At least 55% marks in B.Sc. (Hons.) in a Science subject including Anthropology with Chemistry as one of the General subject except candidates with Hons. in Chemistry and Biochemistry).</p> <p>At least 60% marks in average in best three subjects in Science Group at (10+2) level.</p> <p>Part A: 60% of the total seat is earmarked for C.U. Env. Sc.(Hons) current your candidate</p> <p>Part B: 40% of the total seat is open to all both C.U. & Non C.U., Current Year & Previous Year, Env. Sc. (Hons) and other eligible Hons.</p>
24	<p>Atmospheric Science: ATSC Group No. 19 Code: 245 SEAT: 15+1</p> <p>Eligibility:</p> <p>At least 55% marks in B.Sc. (Hons.) in Physics, Mathematics, Chemistry, Statistics, Environmental Science and Meteorology or its equiv. The applicants are required to have Physics and Mathematics as Genl. subjects (if not as Honours) at the undergraduate level and at least 60% marks in average with Physics, Chemistry and Mathematics at (10+2) level.</p>
25	<p>Exercise Physiology **SSEP Group No. 27 Code: 246 SEAT: 14+2</p> <p>Eligibility:</p> <p>At least 55% marks in B.Sc. Hons in all branches of Sciences including Physiology and all allied subjects of Life Sciences, Physics, Chemistry, and Mathematics. M.B.B.S/ B.Sc. (Ag) and allied graduates are also eligible. All candidates should have Science subjects in Higher Secondary level.</p>
26	<p>Sports Biochemistry **SSSB Group No. 27 Code: 247 SEAT: 14+2</p> <p>Eligibility:</p> <p>At least 55% marks in B.Sc. Hons in all branches of Sciences including Physiology and all allied subjects of Life Sciences, Physics, Chemistry and Mathematics. All candidates should have Science subjects in Higher Secondary level. M.B.B.S/ B.Sc. (Ag) and allied graduates are also eligible.</p>
27	<p>Sports Nutrition **SSSN Group No. 27 Code: 248 SEAT: 14+2</p> <p>Eligibility:</p> <p>At least 55% marks in B.Sc. Hons in all branches of Sciences including Physiology and all allied subjects of Life Sciences, Physics, Chemistry and Mathematics. All candidates should have Science subjects in Higher Secondary level. M.B.B.S/B.Sc. (Ag) and allied graduates are also eligible.</p>

N.B. : + Seat(s) incurred for OBC candidates

* A Common Entrance Test will be conducted for the 7 (seven) courses as stated below:

i) Gr-8 Biophysics & Molecular Biology (BMB), ii) Gr-9 Genetics (GENT), iii) Gr-16 Biochemistry (BIOC), iv) Gr-17 Biotechnology (BIOT), v) Gr-18 Environmental Science (EVCU, EVAS), vi) Gr-22 Marine Science (MRSC) and vii) Gr-24 Neuro Science (NRSC)

Common Entrance Test of MCQ type covering the fields of Physics, Chemistry, Mathematics and Biology of (10+2) level.

**** A Separate MCQ type Entrance Test for Three (3) Sports Science Courses to be conducted covering of all fields of Life Sciences and all Natural Sciences**

Courses bearing Sl.No.28 to 75 are offered by the different UG colleges affiliated to this University.

Sl. No.	Courses	Abbreviation	Group No.	Code No.	No. of Seats	Minimum Eligibility
	M.Sc./M.A.					
28	Applied Geology in Asutosh College	AGAS	14		25	B.Sc. (Hons.) in Geology or its equivalent
29	Applied Psychology in Bethune College	APBT	5		10	At least 55% marks in B.Sc. (Hons.) in Psychology or its equivalent. For Female Candidates.
30	Applied Psychology in Women's College, Kolkata	APWM	5		22	B.Sc. (Hons.) in Psychology or its equivalent. For Female Candidates.
31	Botany in Bethune College	BTBT	10		21	At least 55% marks in B.Sc. (Hons.) in Botany or its equivalent. For Female Candidates.
32	Botany in Jogamaya devi College	BTJD	10		22	B.Sc. (Hons.) in Botany or its equivalent. For Female Candidates.
33	Botany in Lady Brabourne College	BTLB	10		15	At least 55% marks in B.Sc. (Hons.) in Botany or its equivalent. For Female Candidates.
34	Botany in Serampore College	BTSR	10		20	B.Sc. (Hons.) in Botany or its equivalent
35	Chemistry in Behala College	CHBL	4		25	At least 55% marks in B.Sc. (Hons.) in Chemistry or its equivalent.
36	Chemistry in Lady Brabourne College	CHLB	4		20	At least 50% marks in B.Sc. (Hons.) in Chemistry or its equivalent. For Female Candidates.
37	Computer Science in Asutosh College	CSAS	3		25	B.Sc. (Hons.) in Computer Sc. or its equivalent
38	Computer Science in Sarsuna College	CSSS	3		30	At least 50% marks in B.Sc. (Hons.) in Computer Sc. or its equivalent
39	Computer Science in Surendranath College	CSSN	3		20	B.Sc. (Hons.) in Computer Sc. or its equivalent
40	Electronics Science in Dinabandhu Andrews College	ESDA	2		24	B.Sc. (Hons.) in Electronics / Physics or its equivalent
41	Environmental Science in Asutosh College	ENAS	18		30	At least 45% marks in B.Sc. (Hons.) in a Science subject including Anthropology with Chemistry as one of the General subject except candidates with Hons in Chemistry and Biochemistry)
42	Food & Nutrition in Womens' College, Kolkata	FNWM	25		22	B.Sc. (Hons.) in Food & Nutrition or its equivalent. For Female Candidates.
43	Geography in Asutosh College	GGAS	15		31	At least 50% marks in B.Sc. (Hons.) in Geography or its equivalent
44	Geography in Bijoy Krishna Girls' College, Howrah	GGBG	15		39	At least 45% marks in B.Sc. (Hons.) in Geography or its equivalent. For Female Candidates.
45	Geography in Lady Braborne College	GGLB	15		27	At least 50% marks in B.Sc. (Hons.) in Geography or its equivalent. For Female Candidates.
46	Geography in Prabhu Jagatbandhu College, Andul	GGPJ	15		22	B.Sc. (Hons.) in Geography or its equivalent
47	Geography in Sarsuna College	GGSS	15		20	At least 50% marks in B.Sc. (Hons.) in Geography or its equivalent
48	Geography in Vidyasagar College	GGVS	15		60	B.Sc. (Hons.) in Geography or its equivalent
49	Geography in Vivekananda College for Women	GGVW	15		28	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent
50	Geography in Women's College, Kolkata	GGWM	15		25	B.Sc. (Hons.) in Geography or its equivalent. For Female Candidates.
51	Human Physiology in Rammohan College	HPRM	7		25	B.Sc. (Hons.) in Physiology or its equivalent

Sl. No.	Courses	Abbreviation	Group No.	Code No.	No. of Seats	Minimum Eligibility
52	Human Physiology in Serampore College	HPSR	7		20	B.Sc. (Hons.) in Physiology or its equivalent
53	Microbiology in Vijaygarh Jyotish Ray College	MIVJ	11		37	B.Sc. (Hons.) in Microbiology or its equivalent
54	Microbiology in Lady Brabourne College	MILB	11		25	At least 55% marks in B.Sc. (Hons.) in Microbiology or its equivalent. For Female Candidates.
55	Applied Mathematics in Narasinha Dutta College	AMND	6		24	At least 45% marks in B.Sc. (Hons.) in Mathematics or its equivalent
56	Pure Mathematics in Bangabasi Evening College	PMBE	6		26	At least 45% marks in B.Sc. (Hons.) in Mathematics or its equivalent.
57	Pure Mathematics in Behala College	PMBL	6		27	B.Sc. (Hons.) in Mathematics or its equivalent
58	Pure Mathematics in Bethune College	PMBT	6		16	At least 45% marks in B.Sc. (Hons.) in Mathematics or its equivalent. For Female Candidates.
59	Pure Mathematics in Fakir Chand College	PMFC	6		38	B.Sc. (Hons.) in Mathematics or its equivalent
60	Pure Mathematics in Lady Brabourne College	PMLB	6		30	At least 45% marks in B.Sc. (Hons.) in Mathematics or its equivalent. For Female Candidates.
61	Pure Mathematics in Prabhu Jagatbandhu College	PMPJ	6		27	B.Sc. (Hons.) in Mathematics or its equivalent
62	Pure Mathematics in Uluberia College	PMUL	6		27	B.Sc. (Hons.) in Mathematics or its equivalent
63	Physics in Lady Brabourne College	PHLB	1		15	At least 50% marks in B.Sc. (Hons.) in Physics or its equivalent. For Female Candidates.
64	Physics in Gurudas College	PHGD	1		20	At least 50% marks in B.Sc. (Hons.) in Physics or its equivalent.
65	Physics in Vivekananda College, Thakurpukur	PHVK	1		25	At least 55% marks in B.Sc. (Hons.) in Physics or its equivalent.
66	Zoology in Asutosh College	ZOAS	12		30	At least 50% marks in B.Sc. (Hons.) in Zoology or its equivalent
67	Zoology in Bangabasi College	ZOBB	12		27	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent
68	Zoology in Bethune College	ZOBT	12		21	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent. For Female Candidates.
69	Zoology in Dinabandhu Andrews College	ZODA	12		55	B.Sc. (Hons.) in Zoology or its equivalent
70	Zoology in Gurudas College	ZOGD	12		20	At least 55% marks in B.Sc. (Hons.) in Physics or its equivalent.
71	Zoology in Lady Brabourne College	ZOLB	12		15	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent. For Female Candidates.
72	Zoology in Maulana Azad College	ZOMA	12		28	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent
73	Zoology in Serampore College	ZOSR	12		25	B.Sc. (Hons.) in Zoology or its equivalent
74	Zoology in Vidyasagar College	ZOVS	12		60	B.Sc. (Hons.) in Zoology or its equivalent
75	Zoology in Vivekananda College, Thakurpukur	ZOVK	12		20	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent.

N. B.: The number of seats and the breakup of seats of PG courses in UG Colleges are tentative and might differ after verification.