

## SECTION - 4

### 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 27 are offered directly in University Departments and Courses bearing Sl. No. 28 to 78 are offered by the different UG colleges affiliated of this University.

Sl. No.	Courses	Abbreviation	Group No.	Code No.	No. of Seats	Minimum Eligibility
	<b>M.Sc. / M.A.</b>					
1	Physics	PHCU	201	221	70+7+5+7	At least 55% marks in B.Sc. (Hons.) in Physics or its equiv.
2	Chemistry	CHCU	204	222	70+7+5+7	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	206	223	44+4+3+4	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equiv.
4	Pure Mathematics	PMCU	206	224	70+7+5+7	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equiv.
5	Psychology	PSCU	205	225	42+4+3+4	At least 55% marks in B.A./ B. Sc. (Hons.) in Psychology or its equiv.
6	Applied Psychology	APCU	205	226	42+4+3+4	At least 55% marks in B.A./B.Sc. (Hons.) in Psychology or its equiv.
7	Human Physiology	HPCU	207	227	39+4+3+4	At least 55% marks in B.Sc. (Hons.) in Physiology or its equiv.
8	Zoology	ZOCU	212	228	70+7+5+7	At least 55% marks in B.Sc. (Hons.) in Zoology or its equiv.
9	Botany	BTCU	210	229	50+5+4+5	At least 55% marks in B.Sc. (Hons.) in Botany or its equiv.
10	Anthropology	ANTHCU	220	230	28+3+2+3	At least 55% marks in B.Sc. (Hons.) in Anthropology or its equiv.
11	Geography	GGCU	215	231	120+12+8+12	At least 55% marks in B.Sc. / B.A. (Hons.) in Geography or its equiv.
12	Statistics	STATCU	213	232	35+4+2+4	At least 55% marks in B.Sc. (Hons.) in Statistics / B. Stat. or its equiv.
13	Microbiology	MICU	211	233	15+2+1+2	At least 55% marks in B.Sc. (Hons.) in Microbiology or its equiv.
14	Computer Science	CSCU	203	234	30+3+2+3	At least 55% marks in B.Sc. (Hons.) in Computer Science or its equiv.
15	Electronic Science	ESCU	202, 201	235	25+2+2+2	At least 55% marks in B.Sc. (Hons.) in Electronics / Physics or its equiv.

16	<p><b>Applied Geology: AGCU Group No. 214 Code: 236 SEAT: 28+3+2+3 Dept.: Geology</b></p> <p><b>Eligibility:</b> i) At least 55% marks in B.Sc. Hons in Geology.</p>
17	<p><b>Bio-Chemistry: *BIOCCU Group No. 230 Code: 237 SEAT: 60+6+4+6 Dept.: Biochemistry</b></p> <p><b>Eligibility:</b> <b>At least 55% marks in B.Sc. (Hons.)</b> in Chemistry / Biochemistry/ Physics / Zoology/Botany/ Physiology / Microbiology / Anthropology / Food &amp; Nutrition / 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. Part A : i) 60% of total seat is earmarked for C.U. Biochemistry Hons candidates. ii) 20 % of total seat is earmarked for C.U. all eligible Hons candidates Part B : 20% of total seat is earmarked for Non C.U. all eligible Hons. candidates.</p>
18	<p><b>Marine Science: *MRSCCU Group No. 230 Code: 238 SEAT: 17+2+1+2</b></p> <p><b>Eligibility:</b> At least 55% marks in B.Sc. (Hons.) in Chemistry/Biochemistry and Hons. in Zoology / Botany / Geology / Physiology / Microbiology / Anthropology / Life Science / Environmental Science / Physics or its equiv. Candidates must have Physics, Chemistry, Biology, Mathematics/Statistics/Computer Sc. at (10+2) level.</p>
19	<p><b>Bio-Physics &amp; Molecular Biology : *BMBCU Group No. 230 Code: 239 SEAT:20+2+1+2</b></p> <p><b>Eligibility:</b> 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.</p>
20	<p><b>Bio-Technology: *BIOTCU Group No. 230 Code: 241 SEAT: 14+1+1+1</b></p> <p><b>Eligibility:</b> <b>At least 55% marks in B.Sc. (Hons.)</b> in Chemistry / Biochemistry/ Physics / Zoology/Botany/ Physiology / Microbiology / Anthropology / Biotechnology / Food &amp; Nutrition / 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.</p>
21	<p><b>Genetics: *GENTCU Group NO. 230 Code: 242 SEAT: 10+1+1+1</b></p> <p><b>Eligibility:</b> B.Sc. (Hons.) in Anthropology, Agriculture, Botany, Zoology, Chemistry, Food &amp; Nutrition, Biochemistry, Microbiology, / Genetics / Environmental Science / 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.)</p>
22	<p><b>Neuro Science : *NRSCCU Group No. 230 Code 243 Seat : 13+1+1+1</b></p> <p><b>Eligibility:</b> B.Sc. (Hons.) in any Life Science Subjects/Biochemistry/ Biotechnology/ Food &amp; Nutrition/ Microbiology / Zoology/ Physiology/Anthropology/Environmental Science/Informatics. All the above candidates should have Chemistry as one of the General Subjects except the candidates with Hons. in 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.).</p>

23	<p><b>Environmental Science: *EVCU Group No. 230 Code: 244 SEAT: 15+2+1+2</b></p> <p><b>Eligibility:</b>  At least 55% marks in B.Sc. (Hons.) in a Science subject including Botany, Chemistry, Environmental Science, Food &amp; Nutrition, Genetics, Life Science, Microbiology, Physiology, Zoology, Physics, Anthropology with Chemistry as one of the General subject except candidates with Hons. in Chemistry and Biochemistry).  Part A : i) 60% of total seat is earmarked for C.U. Environmental Science Hons candidates.  ii) 20 % of total seat is earmarked for C.U. all eligible Hons candidates  Part B: 20% of total seat is earmarked for Non C.U. Environmental Science Hons &amp; other eligible Hons. candidates.</p>
24	<p><b>Atmospheric Science: ATSCCU Group No. 219 Code: 245 SEAT: 15+2+1+2</b></p> <p><b>Eligibility:</b>  At least 55% marks in B.Sc. (Hons.) in Physics, Mathematics, Chemistry, Statistics, Environmental Science, Geology, Geography (Science) and Meteorology. The applicants are required to have Physics or Mathematics as Genl. subjects (if not as Honours) at the undergraduate level.</p>
25	<p><b>Exercise Physiology **SSEPCU Group No. 230 Code: 246 SEAT: 16+2 (EWS)</b></p> <p><b>Eligibility:</b>  At least 55% marks in B.Sc. Hons in any branches of Life Sciences. All the candidates must have Physiology / Human Physiology as one of the General / G.E. subject except the candidate with Honrs. in Physiology / Human Physiology. All candidates should have Science subjects in Higher Secondary level.</p>
26	<p><b>Sports Biochemistry **SSSBCU Group No. 230 Code: 247 SEAT: 16+2 (EWS)</b></p> <p><b>Eligibility:</b>  At least 55% marks in B.Sc. Hons in any branches of Life Sciences. All the candidates must have Physiology/ Human Physiology as one of the General / G.E. subject except the candidate with Honrs. in Physiology / Human Physiology /Biochemistry. All candidates should have Science subjects in Higher Secondary level.</p>
27	<p><b>Sports Nutrition **SSSNCU Group No. 230 Code: 248 SEAT: 16+2 (EWS)</b></p> <p><b>Eligibility:</b>  At least 55% marks in B.Sc. Hons in any branches of Life Sciences. All the candidates must have Physiology / Human Physiology as one of the General / G. E. subject except the candidate with Honrs. in Physiology / Human Physiology /Food &amp; Nutrition / Nutrition. All candidates should have Science subjects in Higher Secondary level.</p>

**N.B. : + Seat(s) incurred as additional supernumerary OBC-A, OBC-B and EWS respectively which cannot be converted into any other category but conversion for PART-A to PART-B & vice versa.**

**Courses bearing Sl.No.28 to 78 are offered by the different UG colleges affiliated to this University.**

Sl. No.	Courses	Abbreviation	Group No.	Code No.	No. of Seats	Minimum Eligibility
	<b>M.Sc./M.A.</b>					
28	Applied Geology in Asutosh College	<b>AGAS</b>	214		25+3	At least 55% marks in B.Sc. (Hons.) in Geology or its equivalent
29	Applied Psychology in Bethune College	<b>APBT</b>	205		10+1	At least 55% marks in B.Sc. (Hons.) in Psychology or its equivalent. <b>For Female Candidates.</b>
30	Applied Psychology in Women's College, Kolkata	<b>APWM</b>	205		22+2	At least 55% marks in B.Sc. (Hons.) in Psychology or its equivalent. <b>For Female Candidates.</b>
31	Botany in Asutosh College	<b>BTAS</b>	210		25+3	At least 55% marks in B.Sc. (Hons.) in Botany or its equivalent.
32	Botany in Bethune College	<b>BTBT</b>	210		21+2	At least 55% marks in B.Sc. (Hons.) in Botany or its equivalent. <b>For Female Candidates.</b>
33	Botany in Jogamaya devi College	<b>BTJD</b>	210		22+2	At least 55% marks in B.Sc. (Hons.) in Botany or its equivalent. <b>For Female Candidates.</b>
34	Botany in Lady Brabourne College	<b>BTLB</b>	210		15+2	At least 55% marks in B.Sc. (Hons.) in Botany or its equivalent. <b>For Female Candidates.</b>
35	Botany in Serampore College	<b>BTSR</b>	210		20+2	At least 55% marks in B.Sc. (Hons.) in Botany or its equivalent
36	Chemistry in Asutosh College	<b>CHAS</b>	204		25+3	At least 55% marks in B.Sc. (Hons.) in Botany or its equivalent.
37	Chemistry in Behala College	<b>CHBL</b>	204		25+3	At least 55% marks in B.Sc. (Hons.) in Chemistry or its equivalent.
38	Chemistry in Lady Brabourne College	<b>CHLB</b>	204		20+2	At least 55% marks in B.Sc. (Hons.) in Chemistry or its equivalent. <b>For Female Candidates.</b>
39	Computer Science in Asutosh College	<b>CSAS</b>	203		25+3	At least 55% marks in B.Sc. (Hons.) in Computer Sc. or its equivalent
40	Computer Science in Sarsuna College	<b>CSSS</b>	203		30+3	At least 55% marks in B.Sc. (Hons.) in Computer Sc. or its equivalent
41	Computer Science in Surendranath College	<b>CSSN</b>	203		20+2	At least 55% marks in B.Sc. (Hons.) in Computer Sc. or its equivalent
42	Electronic Science in Dinabandhu Andrews College	<b>ESDA</b>	202		24+2	At least 55% marks in B.Sc. (Hons.) in Electronics / Physics or its equivalent
43	Environmental Science in Asutosh College	<b>EVAS</b>	218		30+3	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, Biochemistry & Environmental Science) <b>Part A :</b> i) 60% of total seat is earmarked for C.U. Environmental Science Hons candidates. ii) 20 % of total seat is earmarked for C.U. all eligible Hons candidates <b>Part B:</b> 20% of total seat is earmarked for Non C.U. Environmental Science Hons & other eligible Hons. candidates.
44	Food & Nutrition in Womens' College, Kolkata	<b>FNWM</b>	225		30+3	At least 55% marks in B.Sc. (Hons.) in Food & Nutrition or its equivalent. <b>For Female Candidates.</b>
45	Geography in Asutosh College	<b>GGAS</b>	215		31+3	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent
46	Geography in Bijoy Krishna Girls' College, Howrah	<b>GGBG</b>	215		30+3	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent. <b>For Female Candidates.</b>
47	Geography in Lady Braborne College	<b>GGLB</b>	215		27+3	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent. <b>For Female Candidates.</b>
48	Geography in Prabhu Jagatbandhu College, Andul	<b>GGPJ</b>	215		22+2	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent
49	Geography in Sarsuna College	<b>GGSS</b>	215		20+2	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent
50	Geography in Vidyasagar College	<b>GGVS</b>	215		55+6	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent
51	Geography in Vivekananda College for Women	<b>GGVW</b>	215		32+3	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent

Sl. No.	Courses	Abbreviation	Group No.	Code No.	No. of Seats	Minimum Eligibility
52	Geography in Women's College, Kolkata	<b>GGWM</b>	215		25+3	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent. For Female Candidates.
53	Geography in Dr. Kanailal Bhattacharyya College	<b>GGKB</b>	215		20+2	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent.
54	Human Physiology in Rammohan College	<b>HPRM</b>	207		25+3	At least 55% marks in B.Sc. (Hons.) in Physiology or its equivalent
55	Human Physiology in Serampore College	<b>HPSR</b>	207		20+2	At least 55% marks in B.Sc. (Hons.) in Physiology or its equivalent
56	Microbiology in Vijaygarh Jyotish Ray College	<b>MIVJ</b>	211		37+4	At least 55% marks in B.Sc. (Hons.) in Microbiology
57	Microbiology in Lady Braborne College	<b>MILB</b>	211		25+3	At least 55% marks in B.Sc. (Hons.) in Microbiology. For Female Candidates.
58	Applied Mathematics in Narasinha Dutta College	<b>AMND</b>	206		24+2	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equivalent
59	Pure Mathematics in Bangabasi Evening College	<b>PMBE</b>	206		26+3	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equivalent.
60	Pure Mathematics in Behala College	<b>PMBL</b>	206		27+3	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equivalent
61	Pure Mathematics in Bethune College	<b>PMBT</b>	206		16+2	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equivalent. For Female Candidates.
62	Pure Mathematics in Fakir Chand College	<b>PMFC</b>	206		38+4	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equivalent
63	Pure Mathematics in Lady Braborne College	<b>PMLB</b>	206		30+3	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equivalent. For Female Candidates.
64	Pure Mathematics in Prabhu Jagatbandhu College	<b>PMPJ</b>	206		27+3	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equivalent
65	Pure Mathematics in Uluberia College	<b>PMUL</b>	206		27+3	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equivalent
66	Physics in Lady Braborne College	<b>PHLB</b>	201		15+2	At least 55% marks in B.Sc. (Hons.) in Physics or its equivalent. For Female Candidates.
67	Physics in Gurudas College	<b>PHGD</b>	201		20+2	At least 55% marks in B.Sc. (Hons.) in Physics or its equivalent.
68	Physics in Vivekananda College, Thakurpukur	<b>PHVK</b>	201		25+3	At least 55% marks in B.Sc. (Hons.) in Physics or its equivalent.
69	Zoology in Asutosh College	<b>ZOAS</b>	212		30+3	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent
70	Zoology in Bangabasi College	<b>ZOBB</b>	212		27+3	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent
71	Zoology in Bethune College	<b>ZOBT</b>	212		21+2	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent. For Female Candidates.
72	Zoology in Dinabandhu Andrews College	<b>ZODA</b>	212		55+6	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent
73	Zoology in Gurudas College	<b>ZOGD</b>	212		20+2	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent.
74	Zoology in Lady Brabourne College	<b>ZOLB</b>	212		15+2	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent. For Female Candidates.
75	Zoology in Maulana Azad College	<b>ZOMA</b>	212		26+3	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent
76	Zoology in Serampore College	<b>ZOSR</b>	212		25+3	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent
77	Zoology in Vidyasagar College	<b>ZOVS</b>	212		55+6	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent
78	Zoology in Vivekananda College, Thakurpukur	<b>ZOVK</b>	212		20+2	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent.

**N.B. : + Seat(s) incurred as 10% supernumerary additional seats for EWS category for P.G. courses in UG Colleges which cannot be converted into any other category but conversion from PART-A to PART-B & vice versa are allowed.**

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