

## 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 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	201	221	70+4	At least 55% marks in B.Sc. (Hons.) in Physics or its equiv.
2	Chemistry	CHCU	204	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	206	223	44+3	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equiv.
4	Pure Mathematics	PMCU	206	224	70+4	At least 55% marks in B.Sc. (Hons.) in Mathematics or its equiv.
5	Psychology	PSCU	205	225	42+3	At least 55% marks in B.A./ B.Sc. (Hons.) in Psychology or its equiv.
6	Applied Psychology	APCU	205	226	42+3	At least 55% marks in B.A./B.Sc. (Hons.) in Psychology or its equiv.
7	Human Physiology	HPCU	207	227	39+2	At least 55% marks in B.Sc. (Hons.) in Physiology or its equiv.
8	Zoology	ZOCU	212	228	70+4	At least 55% marks in B.Sc. (Hons.) in Zoology or its equiv.
9	Botany	BTCU	210	229	50+3	At least 55% marks in B.Sc. (Hons.) in Botany or its equiv.
10	Anthropology	ANTHC U	220	230	28+2	At least 55% marks in B.Sc. (Hons.) in Anthropology or its equiv.
11	Geography	GGCU	215	231	120+7	At least 55% marks in B.Sc. / B.A. (Hons.) in Geography or its equiv.
12	Statistics	STATC U	213	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	211	233	15+1	At least 55% marks in B.Sc. (Hons.) in Microbiology or its equiv.
14	Computer Science	CSCU	203	234	30+2	At least 55% marks in B.Sc. (Hons.) in Computer Science or its equiv.
15	Electronic Science	ESCU	202, 201	235	25+2	At least 55% marks in B.Sc. (Hons.) in Electronics / Physics or its equiv.

16	<b>Applied Geology: AGCU Group No. 214 Code: 236 SEAT: 28+2 Dept.: Geology</b> <b>Eligibility:</b> i) At least 55% marks in B.Sc. Hons in Geology.
17	<b>Bio-Chemistry: *BIOCCU Group No. 216 Code: 237 SEAT: 60+4 Dept.: Biochemistry</b> <b>Eligibility:</b> <b>At least 55% marks in B.Sc. (Hons.)</b> in Chemistry / Biochemistry/ Physics / Zoology/Botany/ Physiology / Microbiology / Anthropology / Food & 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. Biochemistry Hons & other eligible Hons. candidates.
18	<b>Marine Science: *MRSCCU Group No. 222 Code: 238 SEAT : 17+3</b> <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. .
19	<b>Bio-Physics &amp; Molecular Biology : *BMBCU Group No. 208 Code: 239 SEAT:20+2</b> <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 55 % marks in each in Biology, Physics, Chemistry, and Mathematics / Statistics at (10+2) level.
20	<b>Bio-Technology: *BIOTCU Group No. 217 Code: 241 SEAT: 14+2</b> <b>Eligibility:</b> <b>At least 55% marks in B.Sc. (Hons.)</b> in Chemistry / Biochemistry/ Physics / Zoology/Botany/ Physiology / Microbiology / Anthropology / Food & 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.
21	<b>Genetics: *GENTCU Group NO. 209 Code: 242 SEAT: 10+1</b> <b>Eligibility:</b> B.Sc. (Hons.) in Anthropology, Agriculture, Botany, Zoology, Chemistry, Food & Nutrition, 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.)
22	<b>Neuro Science : *NRSCCU Group No. 224 Code 243 Seat : 13+2</b> <b>Eligibility:</b> B.Sc. (Hons.) in any Life Science Subjects/Chemistry/Biochemistry/ Biotechnology/ Food & 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 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.).

23	<p><b>Environmental Science: *EVCU Group No. 218 Code: 244 SEAT: 15+1</b></p> <p><b>Eligibility:</b></p> <p>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).</p> <p>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. other eligible Hons candidates</p> <p>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+1</b></p> <p><b>Eligibility:</b></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.</p>
25	<p><b>Exercise Physiology **SSEPCU Group No. 227 Code: 246 SEAT: 16</b></p> <p><b>Eligibility:</b></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><b>Sports Biochemistry **SSBCU Group No. 227 Code: 247 SEAT: 16</b></p> <p><b>Eligibility:</b></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><b>Sports Nutrition **SSNCU Group No. 227 Code: 248 SEAT: 16</b></p> <p><b>Eligibility:</b></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**

**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
	<b>M.Sc./M.A.</b>					
28	Applied Geology in Asutosh College	<b>AGAS</b>	214		25	B.Sc. (Hons.) in Geology or its equivalent
29	Applied Psychology in Bethune College	<b>APBT</b>	205		10	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	B.Sc. (Hons.) in Psychology or its equivalent. <b>For Female Candidates.</b>
31	Botany in Bethune College	<b>BTBT</b>	210		21	At least 55% marks in B.Sc. (Hons.) in Botany or its equivalent. <b>For Female Candidates.</b>
32	Botany in Jogamaya devi College	<b>BTJD</b>	210		22	At least 55% marks in B.Sc. (Hons.) in Botany or its equivalent. <b>For Female Candidates.</b>
33	Botany in Lady Brabourne College	<b>BTLB</b>	210		15	At least 50% marks in B.Sc. (Hons.) in Botany or its equivalent. <b>For Female Candidates.</b>
34	Botany in Serampore College	<b>BTSR</b>	210		20	B.Sc. (Hons.) in Botany or its equivalent
35	Chemistry in Behala College	<b>CHBL</b>	204		25	At least 45% marks in B.Sc. (Hons.) in Chemistry or its equivalent.
36	Chemistry in Lady Brabourne College	<b>CHLB</b>	204		20	At least 50% marks in B.Sc. (Hons.) in Chemistry or its equivalent. <b>For Female Candidates.</b>
37	Computer Science in Asutosh College	<b>CSAS</b>	203		25	B.Sc. (Hons.) in Computer Sc. or its equivalent
38	Computer Science in Sarsuna College	<b>CSSS</b>	203		30	B.Sc. (Hons.) in Computer Sc. or its equivalent
39	Computer Science in Surendranath College	<b>CSSN</b>	203		20	B.Sc. (Hons.) in Computer Sc. or its equivalent
40	Electronics Science in Dinabandhu Andrews College	<b>ESDA</b>	202		24	B.Sc. (Hons.) in Electronics / Physics or its equivalent
41	Environmental Science in Asutosh College	<b>ENAS</b>	218		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	<b>FNWM</b>	225		22	B.Sc. (Hons.) in Food & Nutrition or its equivalent. <b>For Female Candidates.</b>
43	Geography in Asutosh College	<b>GGAS</b>	215		31	At least 50% marks in B.Sc. (Hons.) in Geography or its equivalent
44	Geography in Bijoy Krishna Girls' College, Howrah	<b>GGBG</b>	215		30	At least 45% marks in B.Sc. (Hons.) in Geography or its equivalent. <b>For Female Candidates.</b>
45	Geography in Lady Braborne College	<b>GGLB</b>	215		27	At least 50% marks in B.Sc. (Hons.) in Geography or its equivalent. <b>For Female Candidates.</b>
46	Geography in Prabhu Jagatbandhu College, Andul	<b>GGPJ</b>	215		22	B.Sc. (Hons.) in Geography or its equivalent
47	Geography in Sarsuna College	<b>GGSS</b>	215		20	At least 50% marks in B.Sc. (Hons.) in Geography or its equivalent
48	Geography in Vidyasagar College	<b>GGVS</b>	215		60	B.Sc. (Hons.) in Geography or its equivalent
49	Geography in Vivekananda College for Women	<b>GGVW</b>	215		26+2	At least 55% marks in B.Sc. (Hons.) in Geography or its equivalent
50	Geography in Women's College, Kolkata	<b>GGWM</b>	215		25	B.Sc. (Hons.) in Geography or its equivalent. <b>For Female Candidates.</b>
51	Human Physiology in Rammohan College	<b>HPRM</b>	207		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	<b>HPSR</b>	207		20	B.Sc. (Hons.) in Physiology or its equivalent
53	Microbiology in Vijaygarh Jyotish Ray College	<b>MIVJ</b>	211		37	B.Sc. (Hons.) in Microbiology or its equivalent
54	Microbiology in Lady Braborne College	<b>MILB</b>	211		25	At least 55% marks in B.Sc. (Hons.) in Microbiology or its equivalent. <b>For Female Candidates.</b>
55	Applied Mathematics in Narasinha Dutta College	<b>AMND</b>	206		24	At least 45% marks in B.Sc. (Hons.) in Mathematics or its equivalent
56	Pure Mathematics in Bangabasi Evening College	<b>PMBE</b>	206		26	At least 45% marks in B.Sc. (Hons.) in Mathematics or its equivalent.
57	Pure Mathematics in Behala College	<b>PMBL</b>	206		27	B.Sc. (Hons.) in Mathematics or its equivalent
58	Pure Mathematics in Bethune College	<b>PMBT</b>	206		16	At least 45% marks in B.Sc. (Hons.) in Mathematics or its equivalent. <b>For Female Candidates.</b>
59	Pure Mathematics in Fakir Chand College	<b>PMFC</b>	206		38	B.Sc. (Hons.) in Mathematics or its equivalent
60	Pure Mathematics in Lady Braborne College	<b>PMLB</b>	206		30	At least 45% marks in B.Sc. (Hons.) in Mathematics or its equivalent. <b>For Female Candidates.</b>
61	Pure Mathematics in Prabhu Jagatbandhu College	<b>PMPJ</b>	206		27	B.Sc. (Hons.) in Mathematics or its equivalent
62	Pure Mathematics in Uluberia College	<b>PMUL</b>	206		27	B.Sc. (Hons.) in Mathematics or its equivalent
63	Physics in Lady Braborne College	<b>PHLB</b>	201		15	At least 50% marks in B.Sc. (Hons.) in Physics or its equivalent. <b>For Female Candidates.</b>
64	Physics in Gurudas College	<b>PHGD</b>	201		20	At least 50% marks in B.Sc. (Hons.) in Physics or its equivalent.
65	Physics in Vivekananda College, Thakurpukur	<b>PHVK</b>	201		25	At least 55% marks in B.Sc. (Hons.) in Physics or its equivalent.
66	Zoology in Asutosh College	<b>ZOAS</b>	212		30	At least 50% marks in B.Sc. (Hons.) in Zoology or its equivalent
67	Zoology in Bangabasi College	<b>ZOBB</b>	212		27	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent
68	Zoology in Bethune College	<b>ZOBT</b>	212		21	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent. <b>For Female Candidates.</b>
69	Zoology in Dinabandhu Andrews College	<b>ZODA</b>	212		55	B.Sc. (Hons.) in Zoology or its equivalent
70	Zoology in Gurudas College	<b>ZOGD</b>	212		20	At least 55% marks in B.Sc. (Hons.) in Physics or its equivalent.
71	Zoology in Lady Brabourne College	<b>ZOLB</b>	212		15	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent. <b>For Female Candidates.</b>
72	Zoology in Maulana Azad College	<b>ZOMA</b>	212		28	At least 55% marks in B.Sc. (Hons.) in Zoology or its equivalent
73	Zoology in Serampore College	<b>ZOSR</b>	212		25	B.Sc. (Hons.) in Zoology or its equivalent
74	Zoology in Vidyasagar College	<b>ZOVS</b>	212		60	B.Sc. (Hons.) in Zoology or its equivalent
75	Zoology in Vivekananda College, Thakurpukur	<b>ZOVK</b>	212		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.**