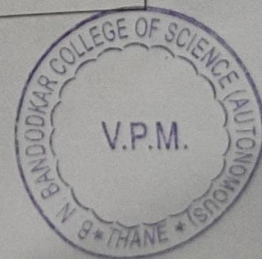


**List of Value Added Credit Based Certificate Courses
Academic Year 2024-25**

Sr. No.	Certificate Course	Department	Hours	Credits
1	Techniques in Molecular Biology (Advanced)	Biotechnology	30	2
2	Quick Calculations in Mathematics*	Mathematics	30	2
3	Basic Calculus using GeoGebra*	Mathematics	30	2
4	Computer Skills	College	30	2
Resolution No. 41, Approval for 4 new Certificate Courses as presented in Agenda 3 and granted by The Academic Council meeting held on 2 nd July 2024.				
Note: *Course No.2 and 3 were sanctioned in CDC (College Development Committee) Meeting held on 17 th June 2022 under Agenda 5 and were recommended for change in course title				
5	Postgraduate Diploma Course in Clinical Studies, Data Management and Medical Writing	College	1 Year	24
Resolution No. 32, Approval for 1 new Certificate Courses as presented in Agenda 4 and granted by The Academic Council meeting held on 6 th July 2023				
6	IPR for Beginners	Chemistry	30	2
7	Forensic Science	Biochemistry	30	2
8	Introduction to Ornithology	Human Science	30	2
9	Fish dishes	Zoology	30	2
10	Calligraphy	Microbiology	30	2
Resolution No. 36, Approval for 5 new certificate courses as presented in Agenda 3 and granted by The Academic Council meeting held on 4 th September 2023)				
11	Artificial Neural Networks	IT and CS	30	2
12	Banking Insurance and Cyber Frauds	Alumni/ Inter Disciplinary	30	2
13	Basic English Learning	Inter Disciplinary	30	2
Resolution No. 18, Item No. 5.1 to 5.4 - Approval for 3 new Certificate Courses as presented in Agenda 7 and granted by The Academic Council meeting held on 14 th June 2022				
14	Basics of C++	Physics	45	3
15	Big Data Analysis	IT and CS	30	2
16	Next Generation Databases	IT and CS	30	2
17	Artificial Intelligence	IT and CS	30	2
18	Virtualization	IT and CS	30	2
19	Machine Learning	IT and CS	30	2
20	Economics for Beginners: The Basics	Inter Disciplinary	32	2
21	The Beginners Introduction to Principles of Marketing	Inter Disciplinary	60	4



22	Certificate Course in Creative Writing	Inter Disciplinary	30	2
23	Mocktails from Nature's Basket	Botany	30	2
24	Basic Course in Law for students of Faculty of Science	College	30	2
25	The Central Public Administrative System	FC	30	2
26	SPSS Basic Level I	Statistics	30	2

Resolution No. 13, Item No. 5.3 - Approval for 13 new certificate courses as presented in
Agenda 7 and granted by The Academic Council (meeting held on 14th February 2022)

27	Techniques in Molecular Biology (Level-I)	CDC Meeting dated 8 th August 2018	Biotechnology & Microbiology	45	3
28	Techniques in Molecular Biology (Level-II)		45	3	
29	Certificate Course in Computer Skills		IT and CS	60	4
30	Introduction to Astronomy and Astrophysics		Physics	45	3
31	Food Adulteration and Quality Management		Biochemistry	38	3
32	Research Scholar Programme		Botany	160	8
33	Solid Waste Management		Ev.S.	30	2
34	Fruit Preserves and Beverages: A Skill Development Course	CDC Meeting dated 20 th February 2019	Botany	60	4
35	Basics of R Software		Statistics	45	3
36	Python Level I		IT and CS	45	3
37	Instrumentation & Preparation of Standard Solutions		Chemistry	45	3

Resolution No.12, Item No 5.2 - Approval of allotment of credits for existing old certificate
courses under Autonomy in Academic Council Meeting 14th February 2022

38	Basic Excel	CDC Meeting dated June 2021	Botany	30	2
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Resolution No. 18, Item No. 5.2 - Approval for allotment of credits for existing old certificate
courses under Autonomy by The Academic Council Meeting 14th June 2022

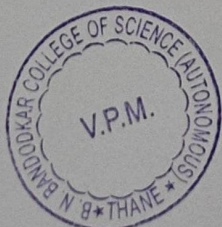
39	Management for Beginners	--	College, ID	45	3
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Resolution No.3, Item No 4.2-4.17 - Approval of certificate courses in
Academic Council Meeting 30th April 2021

I/C Principal,

Prof. Dr. Vinda Manjramkar

VPM's B.N. BANDODKAR COLLEGE OF SCIENCE (AUTONOMOUS), THANE



[Signature]
04/10/2025