

Courses can be Done by B.Sc Microbiology Students 2025-26																					
TIMELINE	4 Weeks (SET 1)	8 Weeks (SET 1)	12 Weeks	4 Weeks (SET 2)	8 Weeks (SET 2)																
Start of Course	July 21, 2025	July 21, 2025	July 21, 2025	August 18, 2025	August 18, 2025																
End of Course	August 15, 2025	September 12, 2025	October 10, 2025	September 12, 2025	October 10, 2025																
Exam Dates	Sep 20/21, 2025 2 Sessions on each date (9am-12 noon; 2pm-5pm)		Nov 01/02, 2025 2 Sessions on each date (9am-12 noon; 2pm-5pm)																		
Open enrollment to the Course	May 15, 2025																				
Close enrollment to the Course	Jul 28 2025 - 5pm			Aug 18 2025 - 5pm																	
Open exam registration form	June 20, 2025- 10am																				
Close exam registration form	Aug 11, 2025 / Aug 15, 2025 5pm			Aug 25, 2025 / Aug 29, 2025 5pm																	
S NO	Course ID	Discipline	Course Name	SME Name	Institute	Co-ordinating Institute	Duration	Type of course	Start date	End date	Exam date	Enrollment End date	Exam Registration End date	UG/PG	Core/Elective	FDP	Applicable NPTEL Domain	Click here to Join the course	Old course URL	NPTEL URL	
1	noc25-ag16	Agriculture Engineering	Food Oils and Facts: Chemistry and Technology	Prof. Hari. Niwas Mishra	IIT Kharagpur	IIT Kharagpur	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	August 15, 2025	UG/PG	Elective	Yes	Food Process Engineering	https://onlinecourses.nptel.ac.in/hoc25_ag16/prview	https://onlinecourses.nptel.ac.in/hoc24_ag09/prview	https://nptel.ac.in/courses/126105027	
2	noc25-ag18	Agriculture Engineering	Post Harvest Operations and Processing of Fruits, Vegetables, Spices and Plantation Crop Products	Prof. Hari Niwas Mishra	IIT Kharagpur	IIT Kharagpur	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	August 15, 2025	UG/PG	Elective	Yes	Food Process Engineering	https://onlinecourses.nptel.ac.in/hoc25_ag18/prview	https://onlinecourses.nptel.ac.in/hoc24_ag11/prview	https://nptel.ac.in/courses/126105023	
3	noc25-ag19	Agriculture Engineering	Soil Fertility and Fertilizers	Prof. Somsubhra Chakraborty	IIT Kharagpur	IIT Kharagpur	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	August 15, 2025	UG	Elective	Yes	Integrated Soil and Water Management	https://onlinecourses.nptel.ac.in/hoc25_ag19/prview	https://onlinecourses.nptel.ac.in/hoc24_ag12/prview	https://nptel.ac.in/courses/126105024	
4	noc25-ag20	Agriculture Engineering	Micro Irrigation Engineering	Prof. Kamlesh Narayan Tiwari	IIT Kharagpur	IIT Kharagpur	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	August 15, 2025	UG/PG	Elective	Yes	Integrated Soil and Water Management	https://onlinecourses.nptel.ac.in/hoc25_ag20/prview	https://onlinecourses.nptel.ac.in/hoc24_ag13/prview	https://nptel.ac.in/courses/126105019	
5	noc25-cy38	Biochemistry and Chemistry	NMR Spectroscopy for Structural Biology	Prof. Ashutosh Kumar, Prof. R. V Hosur	IIT Bombay	IIT Bombay	12 Weeks	Rerun	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	August 15, 2025	PG	Elective	Yes	Biosciences	https://onlinecourses.nptel.ac.in/hoc25_cy38/prview	https://onlinecourses.nptel.ac.in/hoc24_cy50/prview	https://nptel.ac.in/courses/104101135	
6	noc25-bt45	Biological Science	Advances in Omics	Prof. Nagarjun Vijay	IISER Bhopal	IIT Madras	8 Weeks	Rerun	July 21, 2025	September 12, 2025	September 20, 2025	July 28, 2025	August 15, 2025	PG	Elective	Yes	Computational Biology	https://onlinecourses.nptel.ac.in/hoc25_bt45/prview	https://onlinecourses.nptel.ac.in/hoc24_bt42/prview	https://nptel.ac.in/courses/102106456	
7	noc25-bt46	Biological Science	Regeneration Biology	Prof. Rajesh Ramachandran	IISER Mohali	IIT Madras	12 Weeks	New	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	August 15, 2025	PG	Elective	Yes	Biosciences	https://onlinecourses.nptel.ac.in/hoc25_bt46/prview	https://onlinecourses.nptel.ac.in/hoc24_bt48/prview	https://nptel.ac.in/courses/102106667	
8	noc25-bt47	Biology, Physics or Chemistry	Fundamentals of Cryo-Electron Microscopy (Cryo-EM) and 3D Image Processing in Structural Biology	Prof. Somnath Dutta	IISc Bangalore	IISc Bangalore	12 Weeks	New	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	August 15, 2025	UG/PG	Core	Yes	Biosciences	https://onlinecourses.nptel.ac.in/hoc25_bt47/prview	https://onlinecourses.nptel.ac.in/hoc24_bt70/prview	https://nptel.ac.in/courses/102108668	
9	noc25-bt48	Biomedical Engineering	Statistics for Biomedical Engineers	Prof. Babji Srinivasan	IIT Madras	IIT Madras	12 Weeks	Rerun	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	August 15, 2025	UG/PG	Elective	Yes	Computational Biology	https://onlinecourses.nptel.ac.in/hoc25_bt48/prview	https://onlinecourses.nptel.ac.in/hoc24_bt70/prview	https://nptel.ac.in/courses/102106457	
10	noc25-bt49	Biomedical Engineering	Biomedical Instrumentation	Prof. Varadhan SKM	IIT Madras	IIT Madras	12 Weeks	New	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	August 15, 2025	UG	Core	No	Bioengineering	https://onlinecourses.nptel.ac.in/hoc25_bt49/prview	https://onlinecourses.nptel.ac.in/hoc24_bt71/prview	https://nptel.ac.in/courses/102106869	
11	noc25-bt50	Biomedical Engineering, Pharmaceutical Engineering	Human Physiology	Prof. Sudip Mukherjee	IIT (BHU) Varanasi	IIT Madras	12 Weeks	New	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	August 15, 2025	UG/PG	Core	Yes	Bioengineering	https://onlinecourses.nptel.ac.in/hoc25_bt50/prview	https://onlinecourses.nptel.ac.in/hoc24_bt71/prview	https://nptel.ac.in/courses/102106870	
12	noc25-bt51	Biosciences and Bioengineering	Introduction to Dynamical Models in Biology	Prof. Biplob Bose	IIT Guwahati	IIT Guwahati	4 Weeks	Rerun	July 21, 2025	August 15, 2025	September 21, 2025	July 28, 2025	August 15, 2025	UG/PG	Elective	Yes	Computational Biology	https://onlinecourses.nptel.ac.in/hoc25_bt51/prview	https://onlinecourses.nptel.ac.in/hoc24_bt41/prview	https://nptel.ac.in/courses/102103058	
13	noc25-bt52	Biosciences and Bioengineering	Genome Editing and Engineering	Prof. Utpal Bora	IIT Guwahati	IIT Guwahati	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	August 15, 2025	UG/PG	Elective	Yes	Biosciences	https://onlinecourses.nptel.ac.in/hoc25_bt52/prview	https://onlinecourses.nptel.ac.in/hoc24_bt71/prview	https://nptel.ac.in/courses/102103093	
14	noc25-bt53	Biosciences and Bioengineering	Genetic Engineering: Theory and Application	Prof. Vishal Trivedi	IIT Guwahati	IIT Guwahati	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	August 15, 2025	UG/PG	Elective	Yes	Bioprocesses	https://onlinecourses.nptel.ac.in/hoc25_bt53/prview	https://onlinecourses.nptel.ac.in/hoc24_bt57/prview	https://nptel.ac.in/courses/102103074	
15	noc25-bt54	Biosciences and Bioengineering	Experimental Biotechnology	Prof. Vishal Trivedi	IIT Guwahati	IIT Guwahati	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	August 15, 2025	PG	Elective	Yes	Bioprocesses	https://onlinecourses.nptel.ac.in/hoc25_bt54/prview	https://onlinecourses.nptel.ac.in/hoc24_bt65/prview	https://nptel.ac.in/courses/102103083	
16	noc25-bt55	Biosciences and Bioengineering	Drug Delivery: Principles and Engineering	Prof. Rachit Agarwal	IISc Bangalore	IISc Bangalore	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	August 15, 2025	UG/PG	Elective	Yes	Bioengineering	https://onlinecourses.nptel.ac.in/hoc25_bt55/prview	https://onlinecourses.nptel.ac.in/hoc24_bt62/prview	https://nptel.ac.in/courses/102108077	
17	noc25-bt56	Biosciences and Bioengineering	Industrial Biotechnology	Prof. Debabrata Das	IIT Kharagpur	IIT Kharagpur	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	August 15, 2025	UG	Core	No	Bioengineering	https://onlinecourses.nptel.ac.in/hoc25_bt56/prview	https://onlinecourses.nptel.ac.in/hoc23_bt61/prview	https://nptel.ac.in/courses/102105058	
18	noc25-bt57	Biosciences and Bioengineering	Cell and Molecular Biology	Prof. Vishal Trivedi	IIT Guwahati	IIT Guwahati	12 Weeks	New	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	August 15, 2025	UG/PG	Core	Yes	Bioengineering	https://onlinecourses.nptel.ac.in/hoc25_bt57/prview	https://onlinecourses.nptel.ac.in/hoc24_bt62/prview	https://nptel.ac.in/courses/102103671	
19	noc25-bt58	Biosciences and Bioengineering	Immunology	Prof. Sudip Kumar Ghosh, Prof. Agnevo Ganquly	IIT Kharagpur	IIT Kharagpur	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	August 15, 2025	UG	Core	No	Biosciences	https://onlinecourses.nptel.ac.in/hoc25_bt58/prview	https://onlinecourses.nptel.ac.in/hoc24_bt63/prview	https://nptel.ac.in/courses/102105083	
20	noc25-bt59	Biosciences and Bioengineering	Cognition and its Computation	Prof. Sharba Bandyopadhyay, Prof. Rajlakshmi Guha	IIT Kharagpur	IIT Kharagpur	12 Weeks	Rerun	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	August 15, 2025	UG/PG	Elective	Yes	Biosciences	https://onlinecourses.nptel.ac.in/hoc25_bt59/prview	https://onlinecourses.nptel.ac.in/hoc24_ae96/prview	https://nptel.ac.in/courses/108105185	
21	noc25-bt60	Biotechnology and Bioengineering	Cellular Biophysical:																		

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