

**Dr. Babasaheb Ambedkar Technological University,
Lonere**

(Established as a University of Technology in the State of Maharashtra)

(Under Maharashtra Act No. XXIX of 2014)

P.O. Lonere, Dist. Raigad, Pin 402 103, Maharashtra

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www.dbatu.ac.in

**Curriculum for Third Year
Undergraduate Degree Programme
B. Tech. in Petrochemical Engineering**

With effect from AY 2022-2023



REGISTRAR

Dr. Babasaheb Ambedkar Technological University,
P.O. Lonere, Dist. Raigad, Pin 402 103,
Tal. Mangaon, Dist. Raigad, (Maharashtra)

**Dr. Sangeeta Metkar
Head**

Department of Petrochemical Engineering
Dr. Babasaheb Ambedkar Technological University
Lonere Raigad - 402103 MS, India

Semester V										
Course Category	Course Code	Course Title	Teaching Scheme			Evaluation Scheme				Credit
			L	T	P	CA	MSE	ESE	Total	
PCC 7	BTPCC501	Mass Transfer – I	3	1	-	20	20	60	100	4
PCC 8	BTPCC502	Reaction Engineering – I	3	1	-	20	20	60	100	4
PCC 9	BTPCC503	Petrochemical Technology	3	1	-	20	20	60	100	4
OEC 1	BTPCOE504	Open Elective – I	3	-	-	20	20	60	100	3
PEC 2	BTPCPE505	Professional Elective – II	3	-	-	20	20	60	100	3
LC	BTPCL506	Reaction Engineering Lab	-	-	3	60	-	40	100	2
Project	BTPCM507	Mini Project – I	-	-	4	60	-	40	100	2
Internship	BTPCI508	Internship – 2 (Evaluation)	-	-	-	-	-	-	-	Audit
Total			15	3	7	220	100	380	700	22
Semester VI										
PCC 10	BTPCC601	Reaction Engineering – II	3	1	-	20	20	60	100	4
PCC 11	BTPCC602	Mass Transfer – II	3	1	-	20	20	60	100	4
PCC 12	BTPCC603	Process Dynamics and Control	3	1	-	20	20	60	100	4
HSSMC	BTHM604	Process Economics and Industrial Management	4	-	-	20	20	60	100	4
PEC 3	BTPCPE605	Professional Elective – III	3	-	-	20	20	60	100	3
LC	BTPCL606	Mass Transfer Lab	-	-	3	60	-	40	100	2
Project	BTPCM607	Mini Project – II	-	-	4	60	-	40	100	2
Internship		Field Training / Internship/Industrial Training (minimum of 4 weeks which can be completed partially in fifth semester and sixth semester or in at one time).	-	-	-	-	-	-	-	Credits To be evaluated in VII Sem.
Total			16	3	7	220	100	380	700	23

BSC = Basic Science Course, ESC = Engineering Science Course, PCC = Professional Core Course, PEC = Professional Elective Course, OEC = Open Elective Course, LC = Laboratory Course, HSSMC = Humanities and Social Science including Management Course

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Open Elective - I


Sr. No.	Course Code	Course Name
01	BTPCOE504 A	NSS-I
02	BTPCOE504 B	Renewable Energy Sources
03	BTPCOE504 C	Product Design Engineering
04	BTPCOE504 D	Pharmaceuticals and Fine Chemicals

Professional Elective - II

Sr. No.	Course Code	Course Name
01	BTPCPE505 A	Natural Gas Technology
02	BTPCPE505 B	Membrane Technology
03	BTPCPE505 C	Design of Heat Exchangers
04	BTPCPE505 D	Process Plant Utilities and Safety

Professional Elective - III

Sr. No.	Course Code	Course Name
01	BTPCPE605 A	Energy Management in Petrochemical Industry
02	BTPCPE605 B	Polymer Science and Technology
03	BTPCPE605 C	Chemical Process Optimization


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