

ANNA UNIVERSITY :: CHENNAI – 600 025

DEGREE OF BACHELOR OF TECHNOLOGY  
(8 SEMESTER PROGRAMME)

BRANCH: B.TECH. TEXTILE CHEMISTRY  
CURRICULUM

Code No.	Course Title	L	T	P	M
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**SEMESTER 1**

(Applicable to candidates to be admitted in 2003–2004)

**THEORY**

CM125	Chemistry I	3	0	0	100
GE131	Engineering Mechanics	3	1	0	100
L1	Language Elective I	3	1	0	100
MA131	Mathematics I	3	1	0	100
PH125	Physics I	3	0	0	100

**PRACTICAL**

GE132	Computer Practice I	1	0	3	100
GE133	Workshop Practice	0	0	4	100
CM126	Chemistry Laboratory	0	0	2	100
PH126	Physics Laboratory	0	0	2	100

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**SEMESTER 2**

(Applicable to candidates to be admitted in 2003–2004)

**THEORY**

CH131	Chemistry II	2	1	2	100
EE151	Electrical Engineering	2	0	0	100
EC152	Electronics Engineering	2	0	2	100
L2	Language Elective II	3	1	0	100
MA132	Mathematics II	3	1	0	100
PH134	Physics II	2	1	2	100

**PRACTICAL**

GE135	Computer Practice II	1	0	3	100
GE134	Engineering Graphics	1	0	3	100

The following curriculum is applicable to all candidates studying 2<sup>nd</sup> and 3<sup>rd</sup> year in the academic year 2003- 2004

<b>Code No.</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>M</b>
<b>SEMESTER 3</b>					
<b>THEORY</b>					
TC302	Chemistry and Technology of Intermediates and Dyes – I	3	0	0	100
TC301	Fibre Science	3	0	0	100
TC303	Inorganic Chemistry	3	0	0	100
CH236	Organic Chemistry	3	0	0	100
CH242	Physical Chemistry	3	0	0	100
TC304	Theory of Dyeing and Colour Physics	3	0	0	100
<b>PRACTICAL</b>					
TC305	Applied Chemistry Lab	0	0	4	100
TC306	Textile Identification and analysis Lab	0	0	3	100
<b>SEMESTER 4</b>					
<b>THEORY</b>					
TC402	Chemistry of Textile Auxiliaries	3	0	0	100
TT338	Physical Structure and Properties of Fibres	3	0	0	100
CH248	Polymer Chemistry	3	0	0	100
TC401	Preparation of Textiles for Colouration	3	0	0	100
PM406	Principles of Chemical Engineering	3	0	0	100
MA036	Statistics and Linear Programming	3	1	0	100
TC403	Technology of Yarn and Fabric	3	0	0	100
<b>PRACTICAL</b>					
TC404	Textile Preparation Lab for Colouration	0	0	3	100
TC405	Yarn and Fabric Manufacture Lab	0	0	3	100
<b>SEMESTER 5</b>					
<b>THEORY</b>					
TC501	Chemistry and Technology of Intermediates and Dyes II	3	0	0	100
TC504	Dyeing of Cellulosic Fibres I	3	0	0	100
TC505	Dyeing of Protein Fibres	3	0	0	100
TC506	Instrumental Methods of Chemical Analysis	3	0	0	100
TC502	Instrumentation and Control Systems	3	0	0	100
TC503	Technology of Printing I	3	0	0	100
<b>PRACTICAL</b>					
TC507	Cellulosic Fibre Dyeing Lab	0	0	3	100
TC508	Protein Fibre Dyeing Lab	0	0	3	100

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<b>SEMESTER 6</b>					
<b>THEORY</b>					
TC605	Chemistry of Man made fibres	3	0	0	100
TC601	Dyeing of Cellulosic Fibres II	3	0	0	100
TT343	Quality Assessment of Textiles	3	0	0	100
TC604	Technology of Finishing I	3	0	0	100
TC603	Technology of Printing II	3	0	0	100
TC602	Wet Processing Machineries	3	0	0	100
<b>PRACTICAL</b>					
TC606	Shade Matching and quality control Lab	0	0	3	100
TC607	Textile Printing Lab	0	0	3	100
<b>SEMESTER 7</b>					
<b>THEORY</b>					
TC701	Dyeing of Synthetic Fibres	3	0	0	100
CE071	Principle of Environmental Science and Engineering	3	0	0	100
GE035	Professional Ethics	3	0	0	100
CH431	Process Economics and Industrial Management	3	0	0	100
TC703	Production and Processing of Blended Textiles	3	0	0	100
TC702	Technology of Finishing II	3	0	0	100
<b>PRACTICAL</b>					
TC706	Industrial Training	0	0	0	100
TC705	Synthetic Fibre Dyeing Lab	0	0	3	100
TC704	Textile Finishing Lab	0	0	3	100
<b>SEMESTER 8</b>					
<b>THEORY</b>					
TCE1*	Elective I	3	0	0	100
TC801	Process and Quality Control in Textile Wet	3	0	0	100
GE406	Total Quality Management	3	0	0	100
<b>PRACTICAL</b>					
TC802	Project Work and Viva Voce	0	0	12	200

## LIST OF ELECTIVE SUBJECTS

Code No.	Course Title	L	T	P	M
TT034	Fibre and Textile Composites	3	0	0	100
TT035	Textured Yarn Technology	3	0	0	100
TT045	Bonded Fabrics	3	0	0	100
TT049	Eco-Friendly Dyes and Chemicals	3	0	0	100
TT051	Energy Management in Textile Industry	3	0	0	100
TT052	Costing	3	0	0	100
TT345	Garment Technology	3	0	0	100
TT448	Knitting Technology	3	0	0	100
TC001	Water and effluent Treatment and Pollution Control	3	0	0	100
TC002	Analysis of Textile Chemicals	3	0	0	100
TC003	Industrial Textiles	3	0	0	100
TC004	Textiles Marketing	3	0	0	100
TC005	Chemical Engineering Operations	3	0	0	100
HS053	Communication Skills for Engineers	2	0	2	100
GE037	Intellectual Property Right (IPR)	3	0	0	100
GE038	Indian Constitution and Society	3	0	0	100