UNDERGRADUATE COURSES

Curriculum for the Degree of Bachelor of Science in Textile Engineering: Textile Technology Engineering

COURSE CODE	COURSE TITLE	CREDITS
	Calculus (I)	3
	Physics (I)	3
Semester I	Physics Laboratory (I)	1
	General Chemistry	3
(Fall)	Laboratory of General Chemistry	1
	General Courses	5
	Calculus (II)	3
	Physics (II)	3
Semester II	Static	3
	Organic Chemistry	3
(Spring)	Polymer and Fiber Science	3
	Fiber Science Laboratory	1
	Physical Education (I)	1
	General Courses	2
	Differential Equations	3
	Strength of Materials (I)	3
	Applied Thermodynamic	3
Semester III	Fluid Mechanics	3
(Fall)	Technology of Fibers Production	2
(1 411)	Physical Education (II)	1
	Physics of Electricity Laboratory	1
	General Courses	3
	Probability and Statistics For Engineers	3
	Dynamic	3
	Textile Physical Chemistry	2
	Dyeing Process	2
Semester IV	Welding and Plating Workshop	1
(Spring)	Fibers Physics	2
	Fibers Physics Laboratory	1
	Engineering Drawing I	2
	General Courses	2

	Electrical Engineering Fundamentals	3
	Computer Programming	3
Semester V	Engineering Mathematics	3
	Spinning (I)	2
(Fall)	Spinning Workshop (I)	1
	Weaving Preparation	2
	Weaving Preparation Workshop	1
	Dyeing Process Laboratory	1
	General Courses	2
	Spinning (II)	3
	Spinning Workshop (II)	1
	Knitting (I)	2
Semester VI	Knitting Workshop (I)	1
(Spring)	Mechatronics	2
	Conditioning in Textiles Production	2
	Weaving (I)	2
	Weaving Workshop (I)	1
	General Courses	2
	Woven Fabric Design and Analysis	3
	Finishing Processes	2
	Knitting (II)	2
Semester VII	Knitting Workshop (II)	1
(Fall)	Weaving (II)	2
	Weaving Workshop (II)	1
	Nonwoven Fabrics	2
	General Courses	2
	Project	3
	New Spinning Systems	2
	Quality Control in Textile	2
Semester	Quality Control Lab	1
	Factory Planning and Design	2
VIII(Spring)	Long Staple Spinning	2
	General Courses	2
	Elective Courses	2
	Elective Courses	2
	Internship	1

	Mechanical Engineering Design	3
	Production Management	2
Elective	Nonwovens Workshop	1
	Medical Textile	2
Courses	Nanofibers Science and Technology	2
	Dyehouse Color Management	2
	Motion and Time Study	2

Curriculum for the Degree of Bachelor of Science in Textile Engineering: Textile Chemistry Engineering

COURSE CODE	COURSE TITLE	CREDITS
	Calculus (I)	3
	Physics (I)	3
Semester I	Physics Laboratory (I)	1
	General Chemistry	3
(Fall)	Laboratory of General Chemistry	1
	General Courses	5
	Calculus (II)	3
	Physics (II)	3
Semester II	Static	3
	Organic Chemistry	3
(Spring)	Polymer and Fiber Science	3
	Fiber Science Laboratory	1
	Physical Education (I)	1
	General Courses	2
	Differential Equations	3
	Strength of Materials (I)	3
	Applied Thermodynamic	3
Semester III	Fluid Mechanics	3
(Fall)	Technology of Fibers Production	2
(1 411)	Physical Education (II)	1
	Physics of Electricity Laboratory	1
	General Courses	3
	Probability and Statistics For Engineers	3
	Dynamic	3
	Textile Physical Chemistry	2
G / ***	Dyeing Process	2
Semester IV	Welding and Plating Workshop	1
(Spring)	Fibers Physics	2
	Fibers Physics Laboratory	1
	Engineering Drawing I	2
	General Courses	2

	Electrical Engineering Fundamentals	3
	Computer Programming	3
Semester V	Polymer Chemistry	3
	Dyeing Process Laboratory	1
(Fall)	Spinning process	2
	Spinning Workshop	1
	Color Science	2
	General Courses	2
	Engineering Mathematics	3
	Weaving Processes	2
	Weaving Processes Workshop	1
Semester VI	Textile Finishing (I)	2
(Spring)	Analytical Chemistry	3
	Principles of Dyeing	2
	Principles of Dyeing Laboratory	1
	Fibre Chemistry	2
	Fibre Chemistry laboratory	1
	General Courses	2
	Principle of Chemical Engineering	3
	Knitting Process	2
	Knitting Process Workshop	1
Semester VII	Textile Finishing (II)	2
(Fall)	Printing	2
	Printing Workshop	1
	Nonwoven Fabrics	2
	General Courses	2
	Project	3
	Principles of Dyes Chemistry	2
	Textile Finishing Laboratory	1
Semester	Effluents	2
	Dyehouse Color Management	2
VIII(Spring)	Elective Courses	2
	Elective Courses	2
	General Courses	2
	Internship	1

		2
	Production Management	2
	Medical Textile	2
Elective	Nanofibers Science and Technology	2
Courses	Factory Planning and Design	2
	Woven Fabric Analysis and Calculation	2
	Recycling and Reuse of Fiber Waste	2
	Conditioning in Textiles Production	2

Curriculum for the Degree of Bachelor of Science in Textile Engineering: Fiber Engineering

COURSE CODE	COURSE TITLE	CREDITS
	Calculus (I)	3
	Physics (I)	3
Semester I	Physics Laboratory (I)	1
	General Chemistry	3
(Fall)	Laboratory of General Chemistry	1
	General Courses	5
	Calculus (II)	3
	Physics (II)	3
Semester II	Static	3
	Organic Chemistry	3
(Spring)	Polymer and Fiber Science	3
	Fiber Science Laboratory	1
	Physical Education (I)	1
	General Courses	2
	Differential Equations	3
	Strength of Materials (I)	3
	Applied Thermodynamic	3
Semester III	Fluid Mechanics	3
(Fall)	Technology of Fibers Production	2
(Faii)	Physical Education (II)	1
	Physics of Electricity Laboratory	1
	General Courses	3
	Probability and Statistics For Engineers	3
	Dynamic	3
	Textile Physical Chemistry	2
	Dyeing Process	2
Semester IV	Welding and Plating Workshop	1
(Spring)	Fibers Physics	2
	Fibers Physics Laboratory	1
	Engineering Drawing I	2
	General Courses	2

	Computer Programming	3
G	Engineering Mathematics	3
Semester V	Fiber Structure	2
(Fall)	Polymer Chemistry	3
	Fibre Chemistry	2
	Fibre Chemistry laboratory	1
	Polymer Chemistry Laboratory	1
	Dyeing Process Laboratory	1
	General Courses	2
	Electrical Engineering Fundamentals	3
	Spinning process	2
	Spinning Workshop	1
Semester VI	Principles of Polymer Rheology	2
(Spring)	Physical Chemistry of Polymer Solutions	2
	Principle of Chemical Engineering	3
	Analytical Chemistry	3
	General Courses	2
	Weaving Processes	2
	Weaving Processes Workshop	1
	Knitting Process	2
Semester VII	Knitting Process Workshop	1
(Fall)	Finishing Processes	2
	Textile Fibers Production Technology	3
	Analytical Chemistry Laboratory	1
	General Courses	2
	Project	3
	Texturizing	2
	Nonwoven Fabrics	2
Semester	Effluents	2
	Production Management	2
VIII(Spring)	Elective Courses	2
	Elective Courses	2
	General Courses	2
	Internship	1

	Dyehouse Color Management	2
	Medical Textile	2
	Nanofibers Science and Technology	2
Elective	Factory Planning and Design	2
Courses	Woven Fabric Analysis and Calculation	2
	Recycling and Reuse of Fiber Waste	2
	Conditioning in Textiles Production	2

Curriculum for the Degree of Bachelor of Science in Textile Engineering: Apparel Engineering

COURSE CODE	COURSE TITLE	CREDITS
	Calculus (I)	3
	Physics (I)	3
Semester I	Physics Laboratory (I)	1
	General Chemistry	3
(Fall)	Laboratory of General Chemistry	1
	General Courses	5
	Calculus (II)	3
	Physics (II)	3
Semester II	Static	3
	Organic Chemistry	3
(Spring)	Polymer and Fiber Science	3
	Fiber Science Laboratory	1
	Physical Education (I)	1
	General Courses	2
	Differential Equations	3
	Strength of Materials (I)	3
	Applied Thermodynamic	3
Semester III	Fluid Mechanics	3
(Fall)	Technology of Fibers Production	2
(Fan)	Physical Education (II)	1
	Physics of Electricity Laboratory	1
	General Courses	3
	Probability and Statistics For Engineers	3
	Dynamic	3
	Textile Physical Chemistry	2
G 4 777	Dyeing Process	2
Semester IV	Welding and Plating Workshop	1
(Spring)	Fibers Physics	2
	Fibers Physics Laboratory	1
	Engineering Drawing I	2
	General Courses	2

	Electrical Engineering Fundamentals	3
	Computer Programming	3
	Spinning process	2
Semester V	Spinning Workshop	1
(Fall)	Fundamentals of Clothing Design	1
	CAD for Clothing Design	1
	Dyeing Process Laboratory	1
	Color Physics and Psychology	2
	General Courses	2
	Weaving Processes	2
	Weaving Processes Workshop	1
	Knitting Process	2
Compostor VI	Knitting Process Workshop	1
Semester VI	Engineering Mathematics	3
(Spring)	Finishing Processes	2
	Technology of Garment Manufacturing (I)	3
	Technology of Garment Manufacturing Lab (I)	1
	Clothing Construction	2
	General Courses	2
	Technology of Garment Manufacturing (II)	3
	Technology of Garment Manufacturing Lab (II)	1
	Finishing Textile Products Lab	1
Semester VII	Clothing Comfort	2
(Fall)	Mechanical Properties of Textile Materials in Clothing	2
(Fall)	Laboratory of Properties of Textile Materials in Clothing	1
	Production Management	2
	General Courses	2
	Project	3
	Woven Fabric Analysis and Calculation	2
	Printing	2
	Printing Workshop	1
Semester	Motion and Time Study	3
VIII(Spring)	Elective Courses	2
	Elective Courses	2
	Elective Courses	2
	General Courses	2
	Internship	1

	Nonwoven Fabrics	2
	Apparel Costing	2
Elective	Dyehouse Color Management	2
	Medical Textile	2
Courses	Nanofibers Science and Technology	2
	Factory Planning and Design	2
	Conditioning in Textiles Production	2
	Mechatronics	2

Curriculum for the Degree of Bachelor of Science in Textile Engineering: Technical Textile Engineering

COURSE CODE	COURSE TITLE	CREDITS
	Calculus (I)	3
	Physics (I)	3
C I	Physics Laboratory (I)	1
Semester I	General Chemistry	3
(Fall)	Laboratory of General Chemistry	1
	General Courses	5
	Calculus (II)	3
	Physics (II)	3
Samagtan II	Static	3
Semester II	Organic Chemistry	3
(Spring)	Polymer and Fiber Science	3
	Fiber Science Laboratory	1
	Physical Education (I)	1
	General Courses	2
	Differential Equations	3
	Strength of Materials (I)	3
	Applied Thermodynamic	3
Semester III	Fluid Mechanics	3
(Fall)	Technology of Fibers Production	2
(Fan)	Physical Education (II)	1
	Physics of Electricity Laboratory	1
	General Courses	3
	Probability and Statistics For Engineers	3
	Dynamic	3
	Textile Physical Chemistry	2
	Dyeing Process	2
Semester IV	Welding and Plating Workshop	1
(Spring)	Fibers Physics	2
	Fibers Physics Laboratory	1
	Engineering Drawing I	2
	General Courses	2

	Electrical Engineering Fundamentals	3
Semester V (Fall)	Computer Programming	3
	Technical Fibers Production Technology	2
	Spinning process	2
	Spinning Workshop	1
	Dyeing Process Laboratory	1
	Resin Properties	2
	General Courses	2
	Engineering Mathematics	3
	Weaving Processes	2
	Weaving Processes Workshop	1
Semester VI	Knitting Process	2
(Spring)	Knitting Process Workshop	1
	Technical Textiles (I)	3
	Mechanics of Fibrous Composites	2
	Composites Workshop	1
	General Courses	2
	Chemistry of Technical Textiles (I)	2
	Finishing Processes	2
	Technical Textiles (II)	2
Semester VII	Medical Textile	2
(Fall)	Woven Fabric Analysis and Calculation	2
	Technical Clothing	2
	Nonwoven Fabrics	2
	General Courses	2
	Project	3
	Chemistry of Technical Textiles (II)	2
Semester	Elective Courses	2
	Elective Courses	2
	Coloration of Technical Textiles	2
VIII(Spring)	Fibrous Filters	2
	Physical and Mechanical Properties of Technical Textiles	2
	Technical Textiles Finishing	2
	General Courses	2
	Internship	1

Elective Courses	Production Management	2
	Dyehouse Color Management	2
	Nanofibers Science and Technology	2
	Factory Planning and Design	2
	Conditioning in Textiles Production	2
	Medical Textile	2
	Woven Fabric Analysis and Calculation	2