

## BS Technology Education

Course Title	Course Code	Course Type	Credit Hour
<b>Semester 1</b>			
<u>GEN(NS)</u>		General	<u>3</u>
Functional English	GENG-101	General	<u>3</u>
Civics and Community Engagement	GCCE-101	General	<u>2</u>
Islamic Studies / Ethics (for Non-Muslims)	GISL-101 / GETH-101	General	<u>2</u>
Basic Electricity	BSTE-302	Major	<u>3</u>
Engineering Graphics	BSTE-301	Major	<u>3</u>
Tarjuma-e-Quran	HQ-001	Compulsory	<u>0</u>
			<b>Total Credit Hours 16</b>
<b>Semester 2</b>			
<u>GEN(AH)</u>		General	<u>2</u>
Quantitative Reasoning (I)	GQR-101	General	<u>3</u>
Entrepreneurship	GENT-101	General	<u>2</u>
Ideology and Constitution of Pakistan	GICP-101	General	<u>2</u>
General Electronics	BSTE-304	Major	<u>3</u>
Computer Assisted Design and Drafting (CADD)	BSTE-303	Major	<u>3</u>
Tarjuma-e-Quran	HQ-002	Compulsory	<u>1</u>
			<b>Total Credit Hours 16</b>
<b>Semester 3</b>			
Applications of Information and Communication Technologies	GICT-201	General	<u>3</u>
Expository Writing	GENG-201	General	<u>3</u>
Polymer and Wood Processes	BSTE-307	Major	<u>3</u>
Basic of HVACR	BSTE-306	Major	<u>3</u>
Graphics Designing	BSTE-305	Major	<u>3</u>
Tarjuma-e-Quran	HQ-003	Compulsory	<u>0</u>
Fundamentals of Programming and Computational Thinking	BSTE-308	Major	<u>3</u>
			<b>Total Credit Hours 18</b>
<b>Semester 4</b>			
<u>GEN(SS)</u>		General	<u>2</u>
Quantitative Reasoning (II)	GQR-202	General	<u>3</u>
Introduction to Artificial Intelligence(AI)	BSTE-311	Major	<u>3</u>
Introduction to STEM Education	BSTE-310	Major	<u>3</u>
Welding and Fabrication	BSTE-309	Major	<u>3</u>
Tarjuma-e-Quran	HQ-004	Compulsory	<u>1</u>
			<b>Total Credit Hours 15</b>
<b>Semester 5</b>			
General Methods of Teaching	MCED305	Interdisciplinary	<u>3</u>
Philosophy of Education	MCED202	Interdisciplinary	<u>3</u>
Internet of Things (IoT) Software Development	BSTE-314	Major	<u>3</u>
Industrial Management	BSTE-313	Major	<u>3</u>
Material and Manufacturing Processes	BSTE-312	Major	<u>3</u>
Tarjuma-e-Quran	HQ-005	Compulsory	<u>0</u>
Research Methods in Technology Education	BSTE-315	Major	<u>3</u>
			<b>Total Credit Hours 18</b>
<b>Semester 6</b>			
Educational Assessment	MCED 308	Interdisciplinary	<u>3</u>
Curriculum Development	MCED303	Interdisciplinary	<u>3</u>
Introduction to Embedded System	BSTE-318	Major	<u>3</u>
Internet of Things (IoT) Hardware Development	BSTE-317	Major	<u>3</u>
Instructional Technology and Materials Development	BSTE-316	Major	<u>3</u>
Tarjuma-e-Quran	HQ-006	Compulsory	<u>1</u>
			<b>Total Credit Hours 16</b>
<b>Semester 7</b>			
Fieldwork / Internship		Major	<u>3</u>
major		Major	<u>3</u>
Science, Technology, and Society	BSTE-323	Major	<u>3</u>
Laboratory and Classroom Management	BSTE-321	Major	<u>3</u>
Technical Writing and Presentation Skills	BSTE-320	Major	<u>3</u>
Tarjuma-e-Quran	HQ-007	Compulsory	<u>0</u>
			<b>Total Credit Hours 15</b>
<b>Semester 8</b>			
Capstone Project		Major	<u>3</u>
major		Major	<u>3</u>
Fundamentals of Robotics: Basics to Industry Applications	BSTE-324	Major	<u>3</u>
Industrial Psychology	BSTE-322	Major	<u>3</u>
Media Production	BSTE-319	Major	<u>3</u>
Tarjuma-e-Quran	HQ-008	Compulsory	<u>1</u>
			<b>Total Credit Hours 16</b>

Signature