

**SoS for Semesters of B.Sc. Civil Engineering  
(Revised for Session 2024 as per PEC Curriculum)**

**FIRST SEMESTER**

Course Title	Code	Theory CHs	Lab CHs
Geology for Engineers	MD-101	2	0
Islamic Studies/Ethics	HU-102	2	0
Applied Physics & Electro- Mechanical Fundamentals	NS-103	2	1
Engineering Drawing	CE-104	1	2
Functional English	HU-105	3	0
Engineering Mechanics	CE-106	2	1
		<b>12</b>	<b>4</b>
		<b>Total CHs</b>	<b>16</b>

**SECOND SEMESTER**

Course Title	Code	Theory CHs	Lab CHs
Engineering Surveying	CE-107	2	1
Civil Engineering Materials	CE-108	2	1
Applications of ICT	CS-109	2	1
Ideology and Constitution of Pakistan	HU-110	2	0
Computer Programming	CS-111	1	1
Quantitative Reasoning	NS-112	3	0
Quran Translation-I (Imaniyat)	QT-101	0	0
		<b>12</b>	<b>4</b>
		<b>Total CHs</b>	<b>16</b>
		<b>1st Year CHs</b>	<b>32</b>

**THIRD SEMESTER**

Course Title	Code	Theory CHs	Lab CHs
Civil Engineering Drawing & Graphics	CE-201	1	1
Advanced Engineering Surveying	CE-202	2	1
Fluid Mechanics	CE-203	2	1
Mechanics of Solids-I	CE-204	2	1
Engineering Economics	HU-205	2	0
Advanced Calculus	NS-206	3	0
Pakistan Studies	HU-207	2	0
		<b>14</b>	<b>4</b>
		<b>Total CHs</b>	<b>18</b>

**FOURTH SEMESTER**

Course Title	Code	Theory CHs	Lab CHs
Construction Engineering	CE-208	2	0
Elementary Chinese	HU-209	2	0
Applied Mathematics	NS-210	3	0
Expository Writing	HU-211	3	0
Soil Mechanics	CE-212	2	1
Geoinformatics	CE-213	1	1
Structural Analysis-I	CE-214	3	0
Quran Translation-II (Ibadat)	QT-202	0	0
Survey Camp	-	0	0
Community Service	-	0	0
		<b>16</b>	<b>2</b>
		<b>Total CHs</b>	<b>18</b>
		<b>2nd Year CHs</b>	<b>36</b>

**FIFTH SEMESTER**

Course Title		Theory CHs	Lab CHs
Numerical Analysis	HU-301	3	0
Engineering Hydrology	CE-302	2	1
Mechanics of Solids-II	CE-303	2	1
Geotechnical Engineering	CE-304	3	1
Structural Analysis-II	CE-305	3	0
Properties of Concrete	CE-306	1	1
		<b>14</b>	<b>4</b>
		<b>Total CHs</b>	<b>18</b>

**SIXTH SEMESTER**

Course Title		Theory CHs	Lab CHs
Foundation Engineering	CE-307	2	0
Reinforced Concrete Design-I	CE-308	3	0
Advanced Fluid Mechanics	CE-309	2	1
Highway and Traffic Engineering	CE-310	2	0
Quantity & Cost Estimation	CE-311	2	1
Modeling and Simulation	MD-312	1	1
Steel Structures	CE-313	2	0
Quran Translation-III (Muamlaat)	QT-303	0	0
Internship (6-8 Weeks)	-	0	0
		<b>14</b>	<b>3</b>
		<b>Total CHs</b>	<b>17</b>
		<b>3rd Year CHs</b>	<b>35</b>

**SEVENTH SEMESTER**

Course Title		Theory CHs	Lab CHs
Environmental Engineering-I	CE-401	1	1
Reinforced Concrete Design-II	CE-402	3	1
Pavement Analysis and Design	CE-403	2	1
Hydraulic Engineering	CE-404	2	1
Project Management	MS-405	2	0
Architecture and Town Planning	MD-406	1	0
FYDP Part-I	CE-407-A	0	3
		<b>11</b>	<b>7</b>
		<b>Total CHs</b>	<b>18</b>

**EIGHTH SEMESTER**

Course Title		Theory CHs	Lab CHs
Irrigation Engineering	CE-408	2	1
Civics and Community Engagement	HU-409	2	0
Analysis and Design of Structures	CE-410	1	1
Environmental Engineering-II	CE-411	2	0
Structural Engineering	CE-412	2	0
Entrepreneurship	MS-413	2	0
Occupational Health and Safety	MD-414	1	0
FYDP Part-II	CE-407-B	0	3
Quran Translation-IV (Muamlaat)	QT-404	0	0
		<b>12</b>	<b>5</b>
		<b>Total CHs</b>	<b>17</b>
		<b>4th Year CHs</b>	<b>35</b>
		<b>Theory</b>	<b>Lab</b>
		<b>105</b>	<b>33</b>
		<b>Grand Total</b>	<b>138</b>