



HIGHER COLLEGES OF TECHNOLOGY

Bachelor of Applied Science Civil Engineering Technology



Year 1

Semester 1	Course Credits	Contact Hrs.	Semester 2	Course Credits	Contact Hrs.
LSC 1103 Academic Reading & Writing I	3	4	LSC 1503 Academic Communication	3	4
LSN XXXX LS Course (Physical & Biological Sciences)*	3	4	LSF XXXX LS Course (Arts & Humanities)	3	4
LSS XXXX LS Course (Social & Behavioural Studies)	3	4	MTH 1203 Calculus I	3	4
PHY 1103 Physics I	3	4	ECV 1003 Applied Drafting & CAD - Civil	3	4
EGN 1103 Engineering Measurements & CAD Introd.	3	4	ECV 1103 Construction Materials	3	4
MTH 1103 Pre Calculus	3	4	LSM 1113 Statistical Math	3	4

Year 2

Semester 3	Course Credits	Contact Hrs.	Semester 4	Course Credits	Contact Hrs.
LSC 2123 Academic Writing for Engineering	3	4	LSC 2103 Academic Reading & Writing II	3	4
ECV 2053 Site Surveying	3	4	MTH 2503 Linear Algebra & Differential Equations	3	4
MTH 2103 Calculus II	3	4	ECV 2033 Strength of Materials	3	4
ECV 2023 Mechanics of Fluids & Hydraulics	3	4	ECV 3023 Quantity Surveying & Estimating	3	4
ECV 2003 Soil Mechanics	3	4	ECV 2043 Foundation Engineering	3	4
ECV 2013 Engineering Mechanics I	3	4	ECV 3073 Civil Engineering Construction	3	4
▶ Associate Degree Exit					

Year 3

Semester 5	Course Credits	Contact Hrs.	Semester 6	Course Credits	Contact Hrs.
LSS XXXX LS Course (Social & Behavioural Studies)	3	4	LSH XXXX LS Course (Arts & Humanities)	3	4
LSS XXXX LS Course (Social & Behavioural Studies)	3	4	LSN XXXX LS Course (Physical & Biological Sciences)*	3	4
MTH 3013 Calculus III	3	4	ECV 3263 Steel Design I	3	4
ECV 3003 Highway Engineering	3	4	EGN 3102 Project Management	2	3
ECV 3033 Structural Analysis I	3	4	ECV 3053 Water Resources & Supply	3	4
ECV 2072 Chemistry for Civil Engineering	2	3	EGN 3202 Engineering Economics	2	3
			ERK 3002 Work Placement	2	

Year 4

Semester 7	Course Credits	Contact Hrs.	Semester 8	Course Credits	Contact Hrs.
ECV 3013 Waste Water Engineering	3	4	LSG XXXX LS Course (Global Studies)	3	4
ECV 3063 Concrete Design I	3	4	ECV 4053 Environmental Engineering	3	4
ECV 4002 Design Project I	2	3	ECV 4022 Design Project II	2	3
ECV 4XXX Program Elective	3	4	ECV 4XXX Program Elective	3	4
ECV 4XXX Program Elective	3	4	ECV 4XXX Program Elective	3	4
▶ BAS Degree Exit					

Courses double counted for Gen Ed and Program requirements

*Requirements are satisfied by program core courses

Total GE Courses	13
Total GE Units	39
Total Program Courses*	34
Total Program Units*	96
Total Bachelor Degree Units	135