

Nepal Education Foundation Consortium of Colleges, Nepal (NEF-CCN)
Asian Institute of Technology and Management (AITM)
Curriculum Structure
BE Civil Engineering Program

B.E. in Civil Engineering is a four year program extending to 8 semesters. The curriculum consists of **149 credits**. It provides a unique blend and theoretical and practical knowledge. Various elective subjects are also offered.

S.N	Course Code	Course Name	Credits
I/I First Semester			
1	BEG101SH	Mathematics-I	3
2	BEG156CI	Applied Mechanics-I (Statics)	3
3	BEG104SH	Chemistry	3
4	BEG146ME	Engineering Drawing-I	2
5	BEG148ME	Workshop Technology	2
6	BEG174CO	Computer Concept and Programming	3
7	BEG159CI	Construction Materials	3
Total			19
I/II Second Semester			
1	BEG102SH	Mathematics-II	3
2	BEG157CI	Applied Mechanics-II (Dynamics)	3
3	BEG103SH	Physics	3
4	BEG147ME	Engineering Drawing-II	2
5	BEG105SH	Communicative English	3
6	BEG149ME	Fundamentals of Thermodynamics and Heat	2
7	BEG155CI	Building Construction	3
Total			19
II/I Third Semester			
1	BEG201SH	Mathematics-III	3
2	BEG256CI	Strength of Materials	3
3	BEG221EI	Electric Circuit and Machines	3
4	BEG258CI	Survey-I	3
5	BEG261CI	Fluid Mechanics	3
6	BEG255CI	Engineering Geology	3
Total			18
II/II Fourth Semester			
1	BEG203SH	Probability and Statistics	3
2	BEG257CI	Theory of Structures-I	3
3	BEG396MS	Research Methodology	2
4	BEG262CI	Hydraulics	3
5	BEG358CI	Engineering Hydrology	3
6	BEG258CI	Survey –II	3
7	BEG212AR	Fundamental of Architecture	2

Total			19
III/I Fifth Semester			
1	BEG361CI	Water Supply Engineering	3
2	BEG359CI	Soil Mechanics	3
3	BEG357CI	Theory of Structures-II	3
4	BEG375CO	Numerical Methods	3
5	BEG356CI	Concrete Technology and Masonry Structures	3
6	BEG364CI	Transportation Engineering-I	3
7	BEG360CI	Survey Camp	2
Total			20
III/II Sixth Semester			
1	BEG464CI	Transportation Engineering -II	3
2	BEG465CI	Irrigation Engineering	3
3	BEG495MS	Engineering Economics	3
4	BEG456CI	Design of Steel and Timber structures	3
5	BEG362CI	Sanitary Engineering	3
6	BEG375CO	Foundation Engineering	3
Total			18
IV/I Seventh Semester			
1	BEG365CI	Estimation and Valuation	3
2	BEG362CI	Design of RCC Structures	3
3	BEG464CI	Applied Sociology	2
4	BEG457CI	Hydropower Engineering	3
5		An Introduction to EQ Engineering	2
6		Elective I	3
7		Elective II	3
Total			19
IV/II Eighth Semester			
1	BEG468CI	Safety Engineering and Risk Management	3
2	BEG459CI	Engineering Professional Practice	2
3	BEG494MS	Construction Project Management	3
4	BEG454CI	Civil Engineering Project works	6
5		Elective III	3
Total			17