



PACIFIC INTERCONTINENTAL COLLEGE (PIC)

The Bachelor of Science in Civil Engineering (BSCE)

1 st Term	Unit/s
General Chemistry I	3
General Chemistry Lab. I	1
General Physics I	3
General Physics Lab. I	1
Calculus I	4
Introduction to Civil Engineering and Environmental Engineering Management	1
Environmental Engineering	3
Fluid Mechanics I	3
<i>Total</i>	19

2 nd Term	Unit/s
General Chemistry II	3
General Chemistry Lab. II	1
General Physics II	3
General Physics Lab. II	1
Calculus II	4
Computer Programming and Civil Engineering Applications	2
Civil and Environmental Engineering Materials	2
Fluid Mechanics II	3
<i>Total</i>	19

3 rd Term	Unit/s
Calculus III	4

Environmental Chemistry	3
Engineering Mechanics	3
Environmental System Engineering	3
CAD in Civil and Environmental Engineering	2
Structural Mechanics I	3
<i>Total</i>	18

4 th Term	Unit/s
Mechanics Material	3
Air Pollution Control	3
Numerical Experiment	3
Structural Mechanics II	3
Design of GIS Application Systems	3
Hydrology	3
<i>Total</i>	18

5 th Term	Unit/s
Surveying	3
Concepts of Programming Languages	2
Reinforced Concrete Structure	3
Soil Mechanics I	3
Sewerage Engineering	3
Air Pollution Engineering	3
Management Information Systems	2
Human Career Development	2
<i>Total</i>	21

6 th Term	Unit/s
Water Supply Engineering	3
Water Quality Analysis	3

Basic Design I	1
Design of RC structural	3
Waste Treatment Facility Design	3
Analysis and Experiment of Air and Hazardous Pollutants	3
Soil Mechanics II	2
<i>Total</i>	18

7 th Term	Unit/s
Design of steel frame construction	3
Urban Planning	3
Design of Environmental Treatment Facilities	3
Water Resource Networks and System	3
Design of Foundation for Construction	3
Basic Design II	1
Professional Practice in Civil and Environmental Engineering	1
Advanced Design	1
<i>Total</i>	18

8 th Term	Unit/s
Coastal Engineering	3
Bridge Engineering	3
Transportation Engineering	3
Design of Civil engineering	3
Project Management	3
Theory and Design of Biological Treatment Facilities	3
<i>Total</i>	18

<i>Grand Total</i>	149
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