

## FRESHMAN YEAR (40 cr)

### Semester 1

### Semester 2

EN007IU	Writing AE1	2	EN011IU	Writing AE2	2
EN008IU	Listening AE1	2	EN012IU	Speaking AE2	2
MA001IU	Calculus 1	4	CM201IU	Introduction to Construction Management	2
PH013IU	Physics 1	2	PE015IU	Philosophy of Marxism and Leninism	3
CE105IU	Engineering Mechanics and Mechanics of Materials	3	CE209IU	Structural Analysis 1	2
CE103IU	Computer-Aided Design and Drafting	3	CE210IU	Construction Materials	3
CE104IU	Computer-Aided Design and Drafting Practice	1	PT001IU	Physical Training 1	3
<b>Total Credit</b>		<b>17</b>	<b>Total Credit</b>		<b>17</b>

### Summer Semester 1

MA022IU	Calculus 2	4			
PE016IU	Political Economics of Marxism and Leninism	2			
<b>Total Credit</b>		<b>6</b>			

## SOPHOMORE YEAR (34 cr)

### Semester 3

### Semester 4

CE305IU	Steel structures	3	CE106IU	Soil mechanics and foundation	3
CE304IU	Reinforced Concrete 1	3	CM309IU	Construction Economics	3
CM301IU	Operation Management in Construction	3	PE019IU	Ho Chi Minh's Thoughts	2
PT002IU	Physical Training 2	3	PE021IU	General Law	3

CM203IU	Construction Management Project	1	CM202IU	Construction Measurement and Cost Estimating	3
PE018IU	History of Vietnamese Communist Party	2	PE020IU	Engineering Ethics and Professional Skills	3
PE017IU	Scientific Socialism	2			
<b>Total Credit</b>		<b>17</b>	<b>Total Credit</b>		<b>17</b>

### *Summer Semester 2*

MP001IU	Military Training				
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## **JUNIOR YEAR (35 cr)**

### *Semester 5*

### *Semester 6*

CM310IU	Building Information Modelling	3	CM307IU	Construction Planning and Scheduling Project	1
CM303IU	Construction Planning and Scheduling	3	CE307IU	Surveying	2
CM304IU	Construction measurement and Cost Estimating Project	1	BA080IU	Statistics for Business	3
CM305IU	Construction Cost Management	3	CM308IU	Project Feasibility Study and Appraisal	3
CM302IU	Construction Procurement and Tendering	3	CM312IU	Building Information Management Project	1
CE217IU	Artificial Intelligence in Civil Engineering and Construction Management	3	BA156IU	Human Resource Management	3
			BA003IU	Principles of Marketing	3
<b>Total Credit</b>		<b>16</b>	<b>Total Credit</b>		<b>16</b>

### *Summer Semester 3*

CM306IU	Internship	3			
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## **SENIOR YEAR (34 cr)**

**Semester 7****Semester 8**

BA161IU	Business Research Methods	3	BA171IU	Risk Management	3
CM311IU	Construction project management (PMBOK extension)	3	BA168IU	Quantitative method for Business	3
CM....._	CM Elective 1 (list A)	3	..... IU	IU Elective 1 (list C)	3
CM....._	CM Elective 2 (list A)	3	..... IU	IU Elective 2 (list C)	3
CM....._	CM Elective 3 (list A)	3	<b>Construction Project Management Minor</b>		
CM....._	CM Elective 4 (list B)	1	CM402IU	Construction Jobsite Management	3
			CM404IU	Contract Management – FIDIC contracts	3
			<b>Construction Management Minor</b>		
			CM403IU	Value Engineering	3
			CE311IU	Construction Engineering	3
<b>Total Credit</b>		<b>16</b>	<b>Total Credit</b>		<b>18</b>

**Semester 9**

BA098IU	Leadership	3
CM420IU	Graduation Thesis	10
<b>Total Credit</b>		<b>13</b>

**Total Credit: 150 (not including Physical Training 1 and Physical Training 2 courses)**

**CM Elective courses (list A)**

CM405IU	Project communication Management	3
CM406IU	Construction Quality Management	3
CM407IU	Project Integration Management	3
CM408IU	Construction Financial Management	3
CM403IU	Value Engineering	3
CE311IU	Construction Engineering	3
CM404IU	Contract Management – FIDIC contracts	3
BA006IU	Business Communications	3
BA016IU	Fundamental of Financial Management	3
BA018IU	Quality Management	3
BA115IU	Introduction to Business Administration	3
CE412IU	Advanced Artificial Intelligence in Civil Engineering and Construction Management	3

**CM Elective courses (list B)**

CE403IU	Construction Project	1
CM401IU	Feasibility Study and Appraisal Project	1

**IU Elective courses (list C)**

BA130IU	Organizational Behavior	3
BA120IU	Business Computing Skills	3
BA005IU	Financial Accounting	3