

**IU CE CURRICULUM – LEVEL 1 (TOEFL ≥ 500) or (TOEFL iBT ≥ 61)**

<b>Freshman Year</b>					
<b>Semester 1</b>			<b>Semester 2</b>		
EN007IU	Writing AE1	2	EN011IU	Writing AE2	2
EN008IU	Listening AE1	2	EN012IU	Speaking AE2	2
MA001IU	Calculus 1	4	MA003IU	Calculus 2	4
PH013IU	Physics 1	2	PE011IU	Principles of Marxism	5
PH014IU	Physics 2	2	CE102IU	Introduction to Computing for Engineers	3
CH011IU	Chemistry for Engineer	3	CE101IU	Engineering Mechanics -Statics	3
CH012IU	Chemistry Laboratory	1	PT002IU	Physical Training	
PT001IU	Physical Training				
<b>CE100IU</b>	<b>Introduction to Civil Engineering</b>	<b>1</b>			
<b>Total Credits</b>			<b>17</b>	<b>Total Credits</b>	
				<b>19</b>	

**Summer Semester 1**

Political Education:

1. PE012IU HCM' s thoughts (2 crds)
2. PE013IU Vietnamese Communist Party (3) **9**
3. PH015IU Physics 3 (3)
4. PH016IU Physics 3 Laboratory (1)

<b>Sophomore Year</b>					
<b>Semester 3</b>			<b>Semester 4</b>		
MA024IU	Differential Equations	4	CE213IU	Computational Methods for Civil Engineering	3
CE103IU	Computer-Aided Design and Drafting (CADD)	3	CE209IU	Structural Analysis 1	2
CE104IU	Practice CADD	1	CE208IU	Mechanics of Materials 2	2
CE201IU	Mechanics of Materials 1	2	CE210IU	Construction Materials	3
CE202IU	Mechanics of Materials Laboratory	1	CE211IU	Hydrology- Hydraulics	3
CE203IU	Engineering Mechanics- Dynamics	3	PE008IU	Critical Thinking	3
CE205IU	Fluid Mechanics	2	<b>CE214IU</b>	<b>Civil Architecture</b>	<b>2</b>
CE206IU	Fluid Mechanics Laboratory	1			
<b>Total Credits</b>			<b>17</b>	<b>Total Credits</b>	
				<b>18</b>	

**Summer Semester 2**

MP001IU Military Training

<b>Junior Year</b>					
<b>Semester 5</b>			<b>Semester 6</b>		
CE301IU	Structural Analysis 2	3	CE307IU	Surveying	2
CE302IU	Soil Mechanics	3	CE308IU	Surveying Practice	1
CE303IU	Soil Mechanics Laboratory	1	CE309IU	Foundation Engineering	3
CE304IU	Reinforced concrete 1	3	CE310IU	Reinforced Concrete 2	3
CE305IU	Steel Structures	3	CE311IU	Construction Engineering	3
CE306IU	Water Supply and Sewerage	3	CE312IU	Steel Structure Project	1
			CE313IU	Reinforced Concrete Project	1
			CE_ _ _	CE Elective	3
<b>Total Credits</b>			<b>16</b>	<b>Total Credits</b>	
				<b>17</b>	

**Summer Semester 3**

CE314IU Summer Internship (3 crds)

<b>Senior Year</b>					
<b>Semester 7</b>			<b>Semester 8</b>		
CE401IU	Construction Management	3	_ _ _ IU	IU Free Elective	3
CE_ _ _	CE Elective	3			
CE_ _ _	CE Elective	3			
_ _ _ IU	IU Free Elective	3	CE420IU	GRADUATION THESIS	10
CE402IU	Foundation Project	1			
CE403IU	Construction Project	1			
<b>Total Credit</b>			<b>14</b>	<b>Total Credits</b>	
				<b>13</b>	

**Total credits: 143**

**IU CE CURRICULUM – LEVEL 2 (417 < TOEFL < 500) OR 34 <TOEFL iBT <61**

<b>Freshman Year</b>			
<b>Semester 1</b>		<b>Semester 2</b>	
	EN074IU, EN075IU IE2	16	EN007IU Writing AE1 2
			EN008IU Listening AE1 2
MA001IU	Calculus 1	4	MA003IU Calculus 2 4
PH013IU	Physics 1	2	PH014IU Physics 2 2
PT001IU	Physical Training 1		PE011IU Principles of Marxism 5
			CH011IU Chemistry for Engineer 3
			CE101IU Engineering Mechanics – static 3
			PT002IU Physical Training 2
			CE100IU Introduction to Civil Engineering 1
<b>Total Credits</b>		<b>22</b>	<b>Total Credits 22</b>
<b>Summer Semester 1</b>			
Political Education:			
1.	PE012IU HCM' s thoughts (2 crds)		
2.	PE013IU Vietnamese Communist Party (3)	9	
3.	PH015IU Physics 3 (3)		
4.	PH016IU Physics 3 Laboratory (1)		
<b>Sophomore Year</b>			
<b>Semester 3</b>		<b>Semester 4</b>	
EN011IU	Writing AE2	2	CE103U Computer-Aided Design and Drafting (CADD) 3
EN012IU	Speaking AE2	2	CE104IU Practice CADD 1
MA024IU	Differential Equations	4	CE209IU Structural Analysis 1 2
CE102IU	Introduction to Computing for Engineers	3	CE208IU Mechanics of Materials 2 2
CE201IU	Mechanics of Materials 1	2	CE210IU Construction Materials 3
CE202IU	Mechanics of Materials Laboratory	1	CE205IU Fluid Mechanics 2
CE203IU	Engineering Mechanics - Dynamics	3	CE206IU Fluid Mechanics Laboratory 1
CH012IU	Chemistry Laboratory	1	PE008IU Critical Thinking 3
			CE204IU Civil Architecture 2
<b>Total Credits</b>		<b>18</b>	<b>Total Credits 19</b>
<b>Summer Semester 2</b>			
MP001IU Military Training			
<b>Junior Year</b>			
<b>Semester 5</b>		<b>Semester 6</b>	
CE213IU	Computational Methods for Civil Engineering	3	CE307IU Surveying 2
CE301IU	Structural Analysis 2	3	CE308IU Surveying Practice 1
CE211IU	Hydrology- Hydraulics	3	CE310IU Reinforced Concrete 2 3
CE302IU	Soil Mechanics	3	CE309IU Foundation Engineering 3
CE303IU	Soil Mechanics Laboratory	1	CE313IU Reinforced Concrete Project 1
CE305IU	Steel Structures	3	CE312IU Steel Structure Project 1
CE304IU	Reinforced concrete 1	3	CE311IU Construction Engineering 3
			___IU IU Free Elective 3
			CE___ CE Elective 3
<b>Total Credits</b>		<b>19</b>	<b>Total Credits 20</b>
<b>Summer Semester 3</b>			
CE314IU Summer Internship		3	
<b>Senior Year</b>			
<b>Semester 7</b>		<b>Semester 8</b>	
CE306IU	Water Supply and Sewerage	3	___IU IU Free Elective 3
CE401IU	Construction Management	3	
CE___	CE Elective	3	
CE___	CE Elective	3	CE420IU GRADUATION THESIS 10
CE402IU	Foundation Project	1	
CE403IU	Construction Project	1	
<b>Total Credits</b>		<b>14</b>	<b>Total Credits 13</b>

**Total Credits: 143****IU CE CURRICULUM – ENGLISH LEVEL 3 (TOEFL < 418) OR TOEFL iBT <35****Freshman Year**

<i>Semester 1</i>			<i>Semester 2</i>		
EN072IU,	IE1	22	EN074IU,	IE2	16
EN073IU			EN075IU		
PT001IU	Physical Training 1		MA001IU	Calculus 1	4
			PH013IU	Physics 1	2
			PH014IU	Physics 2	2
			PT002IU	Physical Training 2	
<b>Total Credits</b>			<b>Total Credits</b>		
<b>22</b>			<b>24</b>		

**Summer Semester 1**

Political Education:

1. PE011IU Principles of Marxism (5 crds) **9**
2. EN007IU Writing AE1 (2)
3. EN008IU Listening AE1 (2)

**Sophomore Year**

<i>Semester 3</i>			<i>Semester 4</i>		
PE012IU	HCM' s thoughts	2	EN011IU	Writing AE2	2
PE013IU	Vietnamese Communist Party	3	EN012IU	Speaking AE2	2
MA003IU	Calculus 2	4	MA024IU	Differential Equations	4
PH015IU	Physics 3	2	CE203IU	Engineering Mechanics - Dynamics	3
PH016IU	Physics 3 Laboratory	1	CE201IU	Mechanics of Materials 1	2
CH011IU	Chemistry for Engineer	3	CE202IU	Mechanics of Materials Laboratory	1
CE101IU	Engineering Mechanics - static	3	CH012IU	Chemistry Laboratory	1
CE102IU	Introduction to Computing for Engineers	3	CE103IU	Computer-Aided Design and Drafting	3
CE100IU	Introduction to Civil Engineering	1	CE104IU	Practice CADD	1
<b>Total Credits</b>			<b>Total Credits</b>		
<b>22</b>			<b>21</b>		

**Summer Semester 2**

Military Training

<i>Semester 5</i>			<i>Semester 6</i>		
CE213IU	Computational Methods for Civil Engineering	3	CE301IU	Structural Analysis 2	3
CE208IU	Mechanics of Materials 2	2	CE211IU	Hydrology- Hydraulics	3
CE209IU	Structural Analysis 1	2	CE302IU	Soil Mechanics	3
CE210IU	Construction Materials	3	CE303IU	Soil Mechanics Laboratory	1
CE205IU	Fluid Mechanics	2	CE304IU	Reinforced concrete 1	3
CE206IU	Fluid Mechanics Laboratory	1	CE307IU	Surveying	2
CE204IU	Civil Architecture	2	CE308IU	Surveying Practice	1
PE008IU	Critical Thinking	3	CE305IU	Steel Structures	3
<b>Total Credits</b>			<b>Total Credits</b>		
<b>18</b>			<b>19</b>		

**Summer Semester 3****Junior Year**

<i>Semester 7</i>			<i>Semester 8</i>		
CE309IU	Foundation Engineering	3	CE306IU	Water Supply and Sewerage	3
CE310IU	Reinforced Concrete 2	3	CE402IU	Foundation Project	1
CE312IU	Steel Structure Project	1	CE403IU	Construction Project	1
CE_ _ _	CE Elective	3	CE401IU	Construction Management	3
_ _ _ IU	IU Free Elective	3	CE_ _ _	CE Elective	3
CE311IU	Construction Engineering	3	CE_ _ _	CE Elective	3
CE313IU	Reinforced Concrete Project	1			
<b>Total Credits</b>			<b>Total Credits</b>		
<b>17</b>			<b>14</b>		

**Summer Semester 4**

CE314IU	Summer Internship	<b>3</b>			
<i>Semester 9</i>					
_ _ _ IU	IU Free Elective	3			
CE420IU	Graduation Thesis	<b>10</b>			
<b>Total Credits</b>			<b>Total Credits</b>		
<b>13</b>			<b>13</b>		

**Total credits: 143**

**Department Elective courses**

CE404IU	Dynamics of Structures	3
CE405IU	Hydraulic Structures	3
CE406IU	Bridges Engineering	3
CE407IU	Tall Buildings	3

**CÁC MÔN TỰ CHỌN BỔ SUNG**

CE408IU	Introduction to Building Facilities	3
CE409IU	Transportation Engineering and Planning	3
CE410IU	Highway Engineering	3
CE411IU	Urban Engineering	3