## IU CE CURRICULUM – LEVEL 1 (TOEFL $\geq$ 500) or (TOEFL iBT $\geq$ 61)

Semester   Semester	~		Fres	shman Year			
FNODIUU   Listening AE1   4   MA0001   Calculus   6   Physics   2   Pro1510   Physics   3   Physics   2   Pro1510   Physics   Calculus   Calcu	Semester 1	W. A. A.F.1		Semester 2	W''' AFO		
MAOOIIU   Calculis   4   MAOOIIU   Calculis   7   Payis   8   Philosophy of Marxism and Leninism   9   Philosophy Philosoph							
PHO14IU   Physics 1   2   PEO15IU   Philosophy of Marxism and Leminsm   PHO14IU   Physics 2   PEO16IU   Philosophy of Marxism and Leminsm   Pho14IU   Physics 2   PEO16IU   Philosophy of Marxism and Leminsm   Pho14IU   Physics 1 Training 1   3   PTO02IU   Physical Training 1   3   PTO02IU   Physical Training 2   PTO02IU   Physical Training 2   PTO02IU   Physical Training 2   PTO02IU   Physical Training 2   Pho14IU   Physical Training 2   PTO02IU   Physical Training 2   Pho14IU   Physical Training							
PHI014IU   Physics 2   2   PEO1611   Phi014IU   Chemistry for Engineer 3   CEIO2IU   Chemistry Laboratory 1   CEIO1IU   Engineering Mechanics-Statics 3   PTI001IU   Physical Training 1   Training 2   Physical Training							
Frout   Froyers   Froyer   F		•					
CHO12   Chemistry Laboratory   1	PH014IU	Physics 2	2	1201010		2	
PTOOLIU							
CE1001U							
Fingineering			3	PT002IU	Physical Training 2	3	
Total Credits   20	CE100IU		1				
PROJITU   Scientific socialism (2)   PROJITU   Scientific socialism (2)   PROJITU   Scientific socialism (2)   PROJITU   Project   Pro			20		Total Credits	22	
PB017IU   Scientific socialism (2)   PB018IU   History of Vietnamese   Community Party (2)   10   10   10   10   10   10   10   1							
PEDISITU							
Community Party (2)							
Semoster 3			10				
Pholisity   Physics 3 (a)   Pholisity   Physics 3 (a)   Pholisity   Physics 3 (a)	3 PE019II	Ho Chi Minh's Thoughts (2)	10				
Semester 3							
Semester 3         Semester 4           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           CE202IU         Mechanics of Materials 1         2         CE21IIU         Hydrology- Hydraulics         3           CE203IU         Mechanics of Materials 1         1         CE21IIU         Hydrology- Hydraulics         3           CE205IU         Mechanics of Materials 1         2         CE21IIU         Hydrology- Hydraulics         3           CE205IU         Pluid Mechanics 2         2         CE21IIU         Hydrology- Hydraulics         3           CE205IU         Pluid Mechanics 2         2         CE214IU         Civil Architecture         2           Total Credits         1         CE216IU         Probability and Statistics         3           Total Credits         1         CE216IU         Probability and Statistics         3           Total Credits         3         CE307IU         Surveyi							
Semester 3         Semester 4           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           CE202IU         Mechanics of Materials 1         2         CE21IIU         Hydrology- Hydraulics         3           CE203IU         Mechanics of Materials 1         2         CE21IIU         Hydrology- Hydraulics         3           CE203IU         Bengineering Mechanics 2         2         CE214IU         Civil Architecture         2           CE205IU         Fluid Mechanics Laboratory         1         CE216IU         Probability and Statistics         3           CE205IU         Pluid Mechanics Laboratory         1         CE216IU         Probability and Statistics         3           Total Credits         1         CE214IU         Civil Architecture         2           Semester 3         Surveying Practice         2         CE214IU         Surveying Practice         2           CE301U         Soil Mechanics Laboratory			Con	homovo Voo			
MAO24IU   Differential Equations	Semester 3		Sop				
CE103IU   Computer-Aided Design and Drafting (CADD)   CE040IIU   Structural Analysis 1   CE20IIU   Mechanics of Materials 1   CE20IIIU   Mechanics of Materials 2   CE20IIU   Mechanics of Materials 1   CE20IIIU   Mydrology-Hydraulics   3   CE20IIIU   Mechanics of Materials   3   CE20IIIU   Mydrology-Hydraulics   3   CE20IIIU   Hydrology-Hydraulics   3   CE20IIIU   Hydrology-Hydraulics   3   CE20IIIU   Hydrology-Hydraulics   3   CE20IIIU   Hydrology-Hydraulics   3   CE20IIIU   Hiuld Mechanics   2   CE21IIIU   Hydrology-Hydraulics   3   CE20IIIU   Hiuld Mechanics Laboratory   1   CE21IIIU   Probability and Statistics   3   CE20IIIU   Hiuld Mechanics Laboratory   1   CE21IIIU   Probability and Statistics   3   CE20IIIU   Military Training   Total Credits   Total Cre		Differential E	4			2	
CE104IU   Drafting (CADD)   1   CE208IU   Mechanics of Materials   2   2   CE210IU   Mechanics of Materials   3   CE208IU   Hydrology- Hydraulics   3   CE208IU   Engineering Mechanics   3   PE008IU   Critical Thinking   3   CE208IU   Fluid Mechanics Laboratory   1   CE216IU   Probability and Statistics   2   CE206IU   Fluid Mechanics Laboratory   1   CE216IU   Probability and Statistics   3   CE208IU   Materials   2   CE206IU   Fluid Mechanics Laboratory   1   CE216IU   Probability and Statistics   2   CE206IU   Fluid Mechanics Laboratory   2   CE206IU   Military Training   Total Credits   1   Total C	MA0241U	•	4	CE2131U		3	
CE104IU   Practice CADD   1   CE208IU   Mechanics of Materials 2   2   CE201U   Mechanics of Materials 1   2   CE210IU   Construction Materials   3   CE202IU   Mechanics of Materials   1   CE211IU   Hydrology-Hydraulics   3   CE202IU   Engineering Mechanics   3   PE008IU   Critical Thinking   3   CE205IU   Engineering Mechanics   2   CE214IU   Civil Architecture   2   CE205IU   Fluid Mechanics Laboratory   1   CE216IU   Probability and Statistics   2   CE206IU   Fluid Mechanics Laboratory   1   CE216IU   Probability and Statistics   2   CE206IU   Fluid Mechanics Laboratory   2   CE206IU   Fluid Mechanics   CE306IU   Structural Analysis 2   3   CE307IU   Surveying   2   CE306IU   Soil Mechanics   3   CE307IU   Surveying   2   CE306IU   Soil Mechanics   CE306IU   Soil Mechanics   CE306IU   Soil Mechanics   CE306IU   Fluid Mechanics   CE306IU   CE306IU   Fluid Mechanics   Fluid Mechanics   Fluid Mechanics   Fluid Mechanics   Fluid Mechanics   Fluid M	CE103IU		3	CE209IU	Structural Analysis 1	2	
CE201IU         Mechanics of Materials 1 Laboratory         2         CE21IIU         Hydrology- Hydraulics         3           CE203IU         Mechanics of Materials Laboratory         1         CE21IIU         Hydrology- Hydraulics         3           CE203IU         Engineering Mechanics Dynamics         3         PE008IU         Critical Thinking         2           CE206IU         Fluid Mechanics Laboratory         1         CE216IU         Probability and Statistics         3           CE215IU         Applied Linear Algebra         2         Very Probability and Statistics         3           Total Credits         9         Probability and Statistics         2           Total Credits         9         Probability and Statistics         2           Total Credits         9         Probability and Statistics         2           Total Credits         1         CE216IU         Probability and Statistics         2           Total Credits         1         CE216IU         Probability and Statistics         2           Total Credits         3         CE307IU         Surveying         2           Semester 5           Semester 5         Surveying Practice         1	CE104III		1	CE208III	Machanias of Matarials 2	2	
CE2021U         Mechanics of Materials Laboratory         1         CE211IU         Hydrology-Hydraulics         3           CE2031U         Engineering Mechanics Dynamics         3         PE008IU         Critical Thinking         3           CE2051U         Fluid Mechanics Laboratory         2         CE214IU         Civil Architecture         2           CE2051U         Fluid Mechanics Laboratory         1         CE216IU         Probability and Statistics         3           CE215IU         Applied Linear Algebra         2         Probability and Statistics         2           Total Credits         19         Total Credits         2           Semester 5           Total Credits         19         Total Credits         2           Semester 5         Total Credits         2           Semester 5         Semester 6         Total Credits         2           CE301IU Structural Analysis 2         3         CE307IU Surveying Practice         1           CE303IU Soil Mechanics Laboratory         1         CE309IU Surveying Practice         3         2           CE304IU Reinforced Concrete 1         3         CE311IU Construction Engineering         3         CE311IU Constructe Project         1							
CE201U							
CE203IU   Engineering Mechanics   3   PE008IU   Critical Thinking   3   2   CE205IU   Fluid Mechanics   2   CE214IU   Civil Architecture   2   CE206IU   Fluid Mechanics Laboratory   1   CE216IU   Probability and Statistics   3   CE215IU   Applied Linear Algebra   2   CE215IU   Probability and Statistics   3   CE215IU   CE215IIU   CE2	CE202IU		1	CE211IU	Hydrology- Hydraulics	3	
CE205IU   Fluid Mechanics   2   CE214IU   Civil Architecture   2   CE206IU   Fluid Mechanics Laboratory   1   CE216IU   Probability and Statistics   3   CE215IU   Applied Linear Algebra   2   CE216IU   Probability and Statistics   3   CE215IU   Applied Linear Algebra   2   CE216IU   Probability and Statistics   3   CE216IU   Civil Architecture   2   CE206IU   Applied Linear Algebra   2   CE206IU   Civil Architecture   2   CE206IU   CE206IIU   CE206IIIU   CE206IIIU   CE206III   CE20	CE203IU	Engineering Mechanics-	3	PE008IU	Critical Thinking	3	
Probability and Statistics   Probability   Probability and Statistics					_		
Total Credits   Total Credi						2 3	
Total Credits         19         Total Credits         21           Summer Semester 2           MP001IU Military Training           Junior Year           Semester 6           CE301IU Structural Analysis 2         3 CE307IIU Surveying Practice         1           CE302IU Soil Mechanics Laboratory         1 CE309IIU Foundation Engineering         3           CE304IU Reinforced Concrete 1         3 CE310IIU Reinforced Concrete 2         3           CE305IU Steel Structures         3 CE312IU Steel Structure Project         1           CE313IU Reinforced Concrete Project         1           CE313IU Reinforced Concrete Project         1           CE314IU Summer Internship (3 crds)           Semester 3           CE401IU Construction Management         3IU         IU Free Elective         3           CE401IU Construction Management         3IU         IU Free Elective         3IU           CE Lective         3IU         GRADUATION THESIS         10           CE402IU Foundation Project <th colspan<="" td=""><td></td><td></td><td></td><td>CLZIOIC</td><td>1 Total Title Statistics</td><td><u> </u></td></th>	<td></td> <td></td> <td></td> <td>CLZIOIC</td> <td>1 Total Title Statistics</td> <td><u> </u></td>				CLZIOIC	1 Total Title Statistics	<u> </u>
MP0011U   Military Training		Total Credits			Total Credits	21	
Semester 5   Semester 6   Semester 6   Semester 6   Semester 5   Semester 6   Semester 8   Semester 9   Sem							
Semester 5           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_13IU         Reinforced Concrete Project         1           Total Credits         16         Total Credits         17           Summer Semester 3           Semester 8           Semester 8           Semester 8           Semester 8           CE401IU         Construction Management         3         CE420IU         GRADUATION THESIS         10           CE402IU         Foundation Project	MP001IU	Military Training					
CE301IU   Structural Analysis 2   3   CE307IU   Surveying   CE302IU   Soil Mechanics   3   CE308IU   Surveying Practice   1   CE303IU   Soil Mechanics Laboratory   1   CE309IU   Foundation Engineering   3   CE304IU   Reinforced concrete   3   CE310IU   Reinforced Concrete   3   CE310IU   Reinforced Concrete   3   CE310IU   Construction Engineering   3   CE306IU   Steel Structures   3   CE311IU   Construction Engineering   3   CE306IU   Water Supply and Sewerage   3   CE312IU   Steel Structure Project   1   CE   CE Elective   3   CE   CE Elective   3   CE314IU   Summer Semester   CE401IU   Construction Management   3   CE30IU   GRADUATION THESIS   10   CE402IU   Foundation Project   1   CE402IU   Foundation Project   1   CE402IU   Foundation Project   1   CE402IU   Foundation Project   1   CE402IU   Construction Project   1   CE403IU   Construction Project   1   CE303IU   COnstruction Project   CE303IU   CE303IU   CE303IU   CE303IU   CE303IU   CE303IU   CE303IU			J				
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           CE306IU         Water Supply and Sewerage         3         CE313IU         Reinforced Concrete Project         1           CE313IU         Reinforced Concrete Project         1         CE         CE Elective         3           Summer Semester S           CE401IU Construction Management         3        IU         IU Free Elective         3           CE         CE Elective         3        IU         GRADUATION THESIS <td></td> <td>St. 1.A. 1. C.</td> <td></td> <td></td> <td></td> <td></td>		St. 1.A. 1. C.					
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           Summer Semester 3         CE Elective         3         CE313IU         Reinforced Concrete Project         1           Summer Semester 3         CE Elective         3         CE Elective         3           Semester 7         Semester 8         Semester 8           CE401IU         Construction Management         3        IU         IU Free Elective         3           CE         CE Elective         3        IU         GRADUATION THESIS         10           CE402IU         Foundation Project         1							
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           Summer Semester 3         Total Credits         16         Total Credits         Total Credits         17           Summer Semester 5         Semester 7         Semester 8         Semester 8           CE401IU         Construction Management         3        IU         IU Free Elective         3           CE         CE Elective         3        IU         GRADUATION THESIS         10           CE403IU         Foundation Project         1        IU							
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 Elective         3           Summer Semester 3           Semester 7           CE314IU Summer Internship (3 crds)           Semester 7           CE401IU         Construction Management         3        IU         IU Free Elective         3           CE         CE Elective         3        IU         IU Free Elective         3           CE         CE Elective         3         CE420IU         GRADUATION THESIS         10           CE403IU         Foundation Project         1							
CE306IU         Water Supply and Sewerage         3         CE312IU         Steel Structure Project         1           CE313IU         Reinforced Concrete Project         1           CE         CE Elective         3           Summer Semester 3           CE314IU Summer Internship (3 crds)           Semior Year           Semester 8           CE401IU         Construction Management         3        IU         IU Free Elective         3           CE         CE Elective         3        IU         GRADUATION THESIS         10           CE402IU         Foundation Project         1        IU         GRADUATION THESIS         10           CE403IU         Construction Project         1        IU							
CE313IU CE Elective         1           CE Elective         3           Summer Semester 3           CE314IU Summer Internship (3 crds)           Semior Year           Semester 8           CE401IU Construction Management         3        IU         IU Free Elective         3           CE         CE Elective         3        IU         GRADUATION THESIS         10           CE403IU Foundation Project         1        IU         Foundation Project         1           CE403IU Construction Project         1        IU         Foundation Project         1           CE403IU Engineering Ethics and Professional Skills         3        IU        IU<							
Total Credits     16     Total Credits     17       Summer Semester 3       CE314IU Summer Internship (3 crds)       Semior Year       Semester 8       CE401IU     Construction Management     3    IU     IU Free Elective     3    IU     IU Free Elective     3     CE420IU     GRADUATION THESIS     10       CE402IU     Foundation Project     1       CE403IU     Construction Project     1       PE020IU     Engineering Ethics and Professional Skills     3    IU    IU    IU				CE313IU		1	
Summer Semester 3           CE314IU Summer Internship (3 crds)           Semior Year           Semester 7         Semester 8           CE401IU         Construction Management         3IU           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           PE020IU         Engineering Ethics and Professional Skills         3         Total Credits         13				CE			
Semior Year   Semior Year   Semoster 8   Semoster 8   Semoster 8   Semoster 7   Semoster 8   S			16		Total Credits	17	
Semior Year         Semester 7       Semester 8         CE401IU       Construction Management       3 IU       IU Free Elective       3         CE       CE Elective       3       IU       Free Elective       10         CE402IU       Foundation Project       1       IU       Free Elective       10         CE403IU       Construction Project       1       IU							
Semester 7         CE401IU       Construction Management       3      IU       IU Free Elective       3         CE       CE Elective       3      IU       GRADUATION THESIS       10         CE402IU       Foundation Project       1	CE314IU Sur	nmer Internship (3 crds)	6	onion Voca			
CE401IU Construction Management 3 IU IU Free Elective 3  CE CE Elective 3  CE IU IU Free Elective 3  IU IU Free Elective 3 CE420IU GRADUATION THESIS 10  CE402IU Foundation Project 1  CE403IU Construction Project 1  PE020IU Engineering Ethics and Professional Skills 3  Total Credit 17 Total Credits 13	Semester 7		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           PE020IU         Engineering Ethics and Professional Skills         3           Total Credit         17         Total Credits         13		Construction Management	3		IU Free Elective	3	
CE         CE Elective         3         CE420IU         GRADUATION THESIS         10           CE402IU         Foundation Project         1         CE403IU         Construction Project         1           PE020IU         Engineering Ethics and Professional Skills         3         Total Credits         13		<del>-</del>			<del></del>	٥	
IU IU Free Elective 3 CE420IU GRADUATION THESIS 10 CE402IU Foundation Project 1 CE403IU Construction Project 1 PE020IU Engineering Ethics and Professional Skills  Total Credit 17 Total Credits 13							
CE402IU Foundation Project 1 CE403IU Construction Project 1 PE020IU Engineering Ethics and Professional Skills  Total Credit 17 Total Credits 13				CE420IU	GRADUATION THESIS	10	
CE403IU Construction Project 1 PE020IU Engineering Ethics and Professional Skills  Total Credit 17 Total Credits 13						-	
Professional Skills  Total Credit 17 Total Credits 13	CE403IU	Construction Project					
Total Credit 17 Total Credits 13	PE020IU		3				
					m . 1 C	10	
	Total aradita		17		Total Credits	13	

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

Freshman Y		- ( <b>-T1</b> /	· IODID ·	(500) OR 34 < TOEFL iBT < 61	
Semester 1			Semester 2		
	EN074IU, EN075IU IE2	16	EN007IU	Writing AE1	2
	EN0/410, EN0/310 1E2	10	EN008IU	Listening AE1	2
MA001IU	Calculus 1	4	MA003IU	Calculus 2	4
PT001IU	Physical Training 1	3	PE015IU	Philosophy of Marxism and Leninism	3
			PE016IU	Political economics of Marxism and	2
				Leninism	
			CH011IU	Chemistry for Engineer	3
			CE101IU	Engineering Mechanics – static	3
			CE100IU	Introduction to Civil Engineering	1
			PT002IU	Physical Training 2	3
	Total Credits	23		Total Credits	23
Summer Sen					
Political Educa	Scientific socialism (2)				
2. PE017IU					
	ist Party (2)				
	Ho Chi Minh's Thoughts (2)	10			
4. PH013IU	J Physics 1 (2)				
	Physics 2 (2)				
Sophomore '	Vegr				
Sopnomore Semester 3	ı val		Semester 4		
EN011IU	Writing AE2	2		Computer-Aided Design and Drafting	2
EN012IU	Speaking AE2	2	CE103U	(CADD)	3
MA024IU	Differential Equations	4	CE104IU	Practice CADD	1
CE102IU	Introduction to Computing for Engineers	3	CE209IU	Structural Analysis 1	2
CE201IU	Mechanics of Materials 1	2	CE208IU	Mechanics of Materials 2	2
CE202IU	Mechanics of Materials Laboratory	1	CE210IU	Construction Materials	3
CE203IU	Engineering Mechanics - Dynamics	3	CE205IU	Fluid Mechanics	2
CH012IU	Chemistry Laboratory	1	CE206IU	Fluid Mechanics Laboratory	1
PH015IU	Physics 3	3	PE008IU	Critical Thinking	3
PH016IU	Physics 3 Laboratory	1	CE204IU	Civil Architecture	2
	,		CE215IU	Applied Linear Algebra	2
	Total Credits	22		Total Credits	21
Summer Sen					
Junior Year	litary Training				
Semester 5			Semester 6		
CE213IU	Computational Methods for	3	CE307IU	Surveying	2
	Civil Engineering				
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
CE216IU	Probability and Statistics	<mark>3</mark>	IU	IU Free Elective	3
	Total Credits	19	CE	CE Elective  Total Credits	3 20
Summer Sen		1)		Total Creatis	20
	nmer Internship	3			
Senior Year	·				
Semester 7			Semester 8		
	Water Supply and Sewerage	3	IU	IU Free Elective	3
CE306IU		3			
CE306IU CE401IU	Construction Management	3			
CE401IU	Construction Management CE Elective	3			
	_		CE420IU	GRADUATION THESIS	10
CE401IU CE	CE Elective	3	CE420IU	GRADUATION THESIS	10
CE401IU CE CE	CE Elective CE Elective	3	CE420IU	GRADUATION THESIS	10

	_			2019-20	
T-4-1 C	Total Credits	17		Total Credits	13
<u>Total Crea</u>		ute	VEL 2 (TO	EFL < 418) OR TOEFL iBT <3	_
reshman Ye		n LE	VEL 3 (10	EFL < 416) OK TOEFL IBT <3	<u> </u>
Semester 1			Semester 2		
EN072IU,	IE1	22	EN074IU,	IE2	16
EN073IU PT001IU		3	EN075IU	Calculus 1	4
100110	Physical Training 1	3	MA001IU PT002IU	Physical Training 2	3
	Total Credits	25	1100210	Total Credits	23
ummer Sem					
Political Educ	cation:  Philosophy of Marxism and				
Leninism					
	Political economics of Marxism				
and Leni		11			
	J Writing AE1 (2) J Listening AE1 (2)				
	J Physics 1 (2)				
	•				
ophomore Y	Year		C		
<i>lemester 3</i> E017IU	Scientific socialism	2	Semester 4 EN011IU	Writing AE2	2
	History of Vietnamese	2	EN011IU EN012IU	Speaking AE2	2
E018IU	Communist Party	_			-
E019IU	Ho Chi Minh's Thoughts	2	PH015IU	Physics 3	3
MA003IU	Calculus 2	4	PH016IU	Physics 3 Laboratory	1
PH014IU CH011IU	Physics 2 Chemistry for Engineer	2 3	MA024IU CE203IU	Differential Equations Engineering Mechanics - Dynamics	4
CE101IU	Engineering Mechanics - static	3	CE203IU CE201IU	Mechanics of Materials 1	2
CE102IU	Introduction to Computing for	3	CE202IU	Mechanics of Materials Laboratory	1
	Engineers	3	CE20210	Mechanics of Materials Laboratory	1
CE100IU	Introduction to Civil	1	CH012IU	Chemistry Laboratory	1
	Engineering		CE103IU	Computer-Aided Design and Drafting	3
			CE104IU	Practice CADD	1
	Total Credits	22		Total Credits	23
Summer Sem					
Military Train Semester 5	ning		Semester 6		
	Computational Methods for				3
CE213IU	Civil Engineering	3	CE301IU	Structural Analysis 2	
CE208IU	Mechanics of Materials 2	2	CE211IU	Hydrology- Hydraulics	3
CE209IU	Structural Analysis 1	2	CE302IU	Soil Mechanics	3
CE210IU CE205IU	Construction Materials Fluid Mechanics	3	CE303IU	Soil Mechanics Laboratory	1
CE2051U	Fluid Mechanics Laboratory	2 1	CE304IU CE307IU	Reinforced concrete 1 Surveying	3 2
CE204IU	Civil Architecture	2	CE307IU	Surveying Practice	1
PE008IU	Critical Thinking	3	CE305IU	Steel Structures	3
CE215IU	Applied Linear Algebra	<mark>2</mark>	CE216IU	Probability and Statistics	<mark>3</mark>
, G	Total Credits	20		Total Credits	22
Summer Sem Tunior Year	ester 3				
Semester 7			Semester 8		
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 CM204IU	CE Elective	3 3
CE313IU	Reinforced Concrete Project  Total Credits	1 17	CM2041U	Laws and Professional Ethics  Total Credits	17
Summer Sem		1,		Total Creatis	11
	nmer Internship	3			
L31410 Bul	·				
emester 9					
	IU Free Elective Graduation Thesis	3 10			

Total Credits

Total credits: 194

## **CE Elective**

S. ID	Subject Name	Credit
CE404IU	Dynamics of Structures	3
CE405IU	Hydraulic Structures	3
CE406IU	Bridges Engineering	3
CE407IU	Tall Buildings	3

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

## **IU Elective**

No	S. ID	Subject Name	Credit
1	BA003IU	Principles of Marketing	3
2	BA006IU	Business Communication	3
3	BA020IU	Business Ethics	3
4	BA116IU	Introduction to Social Science	3
5	BA118IU	Introduction to Psychology	3
6	BA117IU	Introduction to Microeconomics	3
7	BA119IU	Introduction to Macroeconomics	3
8	BA123IU	Principles of Management	3
9	BA130IU	Organizational Behavior	3
10	BA167IU	Introduction to Vietnamese Legal System	3
11	BA169IU	Management Information Systems	3
12	BA120IU	Business Computing Skills	3
13	BA115IU	Introduction to Business Administration	3
14	IS019IU	Production Management	3
15	IS026IU	Project Management	3
16	IT063IU	Theoretical Models in Computing	4
17	IT091IU	Computer Networks	4
18	IT094IU	Information System Management	4