

## DISTRIBUTION OF CIVIL ENGINEERING – TWINNING PROGRAM - DEAKIN UNIVERSITY CURRICULUM\_BATCH (2024)

### CURRICULUM STAGE 1 – International University, Vietnam National University HCM

#### LEVEL AE

<b>Freshman Year</b>					
<b>Semester 1</b>			<b>Semester 2</b>		
EN007DE	Writing AE1	2	EN011DE	Writing AE2	2
EN008DE	Listening AE1	2	EN012DE	Speaking AE2	2
MA001DE	Calculus 1	4	MA003DE	Calculus 2	4
PH013DE	Physics 1	2	PE020DE	Engineering Ethics and Professional Skills	3
PE008DE	Critical Thinking	3	CE215DE	Applied Linear Algebra	2
CE101DE	Engineering Mechanics - Statics	3	CE102DE	Introduction to Computing for Civil Engineers	3
CE100DE	Introduction to Civil Engineering	1	PH014DE	Physics 2	2
<b>Total Credits</b>		<b>17</b>	<b>Total Credits</b>		<b>18</b>
<b>Sophomore Year</b>					
<b>Semester 3</b>			<b>Semester 4</b>		
MA024DE	Differential Equations	4	CE209DE	Structural Analysis 1	2
CE103DE	Computer-Aided Design and Drafting (CADD)	3	CE208DE	Mechanics of Materials 2	2
CE104DE	Practice CADD	1	CE210DE	Construction Materials	3
CE201DE	Mechanics of Materials 1	2	CE302DE	Soil Mechanics	3
CE202DE	Mechanics of Materials Laboratory	1	CE303DE	Soil mechanics lab	1
CE205DE	Fluid mechanics	2	CE214DE	Civil Architecture	2
CE206DE	Fluid mechanics lab	1	CE216DE	Probability and Statistics	3
CE213DE	Computational Methods for Civil Engineering	3			
<b>Total Credits</b>		<b>17</b>	<b>Total Credits</b>		<b>16</b>

#### LEVEL IE3

<b>Freshman Year</b>					
<b>Semester 1</b>			<b>Semester 2</b>		
ENTP03	Intensive English 3	10	PH013DE	Physics 1	2
CE100DE	Introduction to Civil Engineering	1	EN007DE	Writing AE1	2
MA001DE	Calculus 1	4	EN008DE	Listening AE1	2
PE008DE	Critical Thinking	3	PE020DE	Engineering Ethics and Professional Skills	3

			CE103DE	Computer-Aided Design and Drafting (CADD)	3
			CE104DE	Practice CADD	1
			CE101DE	Engineering Mechanics -Statics	3
			MA003DE	Calculus 2	4
<b>Total Credits</b>			<b>18</b>	<b>Total Credits</b>	
<b>Sophomore Year</b>					
<b>Semester 3</b>			<b>Semester 4</b>		
CE213DE	Computational Methods for Civil Engineering	3	MA024DE	Differential Equations	4
CE201DE	Mechanics of Materials 1	2	CE209DE	Structural Analysis 1	2
CE202DE	Mechanics of Materials Laboratory	1	CE208DE	Mechanics of Materials 2	2
CE215DE	Applied Linear Algebra	2	CE210DE	Construction Materials	3
CE102DE	Introduction to Computing for Civil Engineers	3	CE302DE	Soil Mechanics	3
PH014DE	Physics 2	2	CE303DE	Soil mechanics lab	1
CE214DE	Civil Architecture	2	CE205DE	Fluid mechanics	2
EN011DE	Writing AE2	2	CE206DE	Fluid mechanics lab	1
EN012DE	Speaking AE2	2	CE216DE	Probability and Statistics	3
<b>Total Credits</b>			<b>19</b>	<b>Total Credits</b>	
<b>21</b>					

## LEVEL IE2

<b>Freshman Year</b>					
<b>Semester 1</b>			<b>Semester 2</b>		
ENTP02	Intensive English 2	13	EN007DE	Writing AE1	2
ENTP03	Intensive English 3	10	EN008DE	Listening AE1	2
			MA001DE	Calculus 1	4
			PH013DE	Physics 1	2
			PE008DE	Critical Thinking	3
			CE101DE	Engineering Mechanics -Statics	3
			CE100DE	Introduction to Civil Engineering	1
<b>Total Credits</b>			<b>23</b>	<b>Total Credits</b>	
<b>17</b>					
<b>Sophomore Year</b>					
<b>Semester 3</b>			<b>Semester 4</b>		
EN011DE	Writing AE2	2	MA024DE	Differential Equations	4
EN012DE	Speaking AE2	2	CE103DE	Computer-Aided Design and Drafting (CADD)	3
MA003DE	Calculus 2	4	CE104DE	Practice CADD	1
PE020DE	Engineering Ethics and Professional Skills	3	CE201DE	Mechanics of Materials 1	2
CE215DE	Applied Linear Algebra	2	CE202DE	Mechanics of Materials Laboratory	1
CE102DE	Introduction to Computing for Civil Engineers	3	CE205DE	Fluid mechanics	2
PH014DE	Physics 2	2	CE206DE	Fluid mechanics lab	1
			CE213DE	Computational Methods for Civil Engineering	3
<b>Total Credits</b>			<b>18</b>	<b>Total Credits</b>	
<b>17</b>					
<b>Semester 5</b>					
CE209DE	Structural Analysis 1	2			

CE208DE	Mechanics of Materials 2	2			
CE210DE	Construction Materials	3			
CE302DE	Soil Mechanics	3			
CE303DE	Soil mechanics lab	1			
CE214DE	Civil Architecture	2			
CE216DE	Probability and Statistics	3			
		<b>Total Credits</b>	<b>16</b>		

### LEVEL IE1

<b>Freshman Year</b>					
<b>Semester 1</b>			<b>Semester 2</b>		
ENTP01	Intensive English 1	17	ENTP03	Intensive English 3	10
ENTP02	Intensive English 2	13	CE100DE	Introduction to Civil Engineering	1
		<b>Total Credits</b>	<b>30</b>	<b>Total Credits</b>	
				<b>11</b>	
<b>Sophomore Year</b>					
<b>Semester 3</b>			<b>Semester 4</b>		
MA001DE	Calculus 1	4	CE213DE	Computational Methods for Civil Engineering	3
EN007DE	Writing AE1	2	CE201DE	Mechanics of Materials 1	2
EN008DE	Listening AE1	2	CE202DE	Mechanics of Materials Laboratory	1
CE103DE	Computer-Aided Design and Drafting (CADD)	3	MA003DE	Calculus 2	4
CE104DE	Practice CADD	1	PE020DE	Engineering Ethics and Professional Skills	3
CE101DE	Engineering Mechanics -Statics	3	CE210DE	Construction Materials	3
PH013DE	Physics 1	2	EN011DE	Writing AE2	2
CE215DE	Applied Linear Algebra	2	EN012DE	Speaking AE2	2
PE008DE	Critical Thinking	3	PH014DE	Physics 2	2
		<b>Total Credits</b>	<b>22</b>	<b>Total Credits</b>	
				<b>22</b>	
<b>Semester 5</b>					
MA024DE	Differential Equations	4			
CE102DE	Introduction to Computing for Civil Engineers	3			
CE209DE	Structural Analysis 1	2			
CE208DE	Mechanics of Materials 2	2			
CE302DE	Soil Mechanics	3			
CE303DE	Soil mechanics lab	1			
CE205DE	Fluid mechanics	2			
CE206DE	Fluid mechanics lab	1			
CE216DE	Probability and Statistics	3			
CE214DE	Civil Architecture	2			
		<b>Total Credits</b>	<b>23</b>		

### LEVEL IE0

<b>Freshman Year</b>					
<b>Semester 1</b>			<b>Semester 2</b>		
ENTP00	Intensive English 0	17	ENTP02	Intensive English 2	13

ENTP01	Intensive English 1	17	ENTP03	Intensive English 3	10
<b>Total Credits</b>		<b>34</b>	<b>Total Credits</b>		<b>23</b>
<b>Sophomore Year</b>					
<b>Semester 3</b>			<b>Semester 4</b>		
EN007DE	Writing AE1	2	EN011DE	Writing AE2	2
EN008DE	Listening AE1	2	EN012DE	Speaking AE2	2
MA001DE	Calculus 1	4	MA003DE	Calculus 2	4
PH013DE	Physics 1	2	PE020DE	Engineering Ethics and Professional Skills	3
PE008DE	Critical Thinking	3	CE215DE	Applied Linear Algebra	2
CE101DE	Engineering Mechanics -Statics	3	CE102DE	Introduction to Computing for Civil Engineers	3
CE100DE	Introduction to Civil Engineering	1	PH014DE	Physics 2	2
<b>Total Credits</b>		<b>17</b>	<b>Total Credits</b>		<b>18</b>
<b>Semester 5</b>			<b>Semester 6</b>		
MA024DE	Differential Equations	4	CE209DE	Structural Analysis 1	2
CE103DE	Computer-Aided Design and Drafting (CADD)	3	CE208DE	Mechanics of Materials 2	2
CE104DE	Practice CADD	1	CE210DE	Construction Materials	3
CE201DE	Mechanics of Materials 1	2	CE302DE	Soil Mechanics	3
CE202DE	Mechanics of Materials Laboratory	1	CE303DE	Soil mechanics lab	1
CE205DE	Fluid mechanics	2	CE214DE	Civil Architecture	2
CE206DE	Fluid mechanics lab	1	CE216DE	Probability and Statistics	3
CE213DE	Computational Methods for Civil Engineering	3			
<b>Total Credits</b>		<b>17</b>	<b>Total Credits</b>		<b>16</b>

### CURRICULUM STAGE 2 – Deakin University

<b>Level 3</b>					
<b>Trimester 1</b>			<b>Trimester 2</b>		
SEV301	Water Engineering Design	2	SEV300	Reinforced Concrete and Steel Structures	2
SEV322	Hydrology and Hydraulics	1	SEV362	Geotechnical Engineering	1
SEV320	Theory of Structures	1	SEL703	Professional Practice	1
<b>Total Credits</b>		<b>4</b>	<b>Total Credits</b>		<b>4</b>
<b>Level 4</b>					
<b>Trimester 1</b>			<b>Trimester 2</b>		
SEJ441	Engineering Project A	2	SEJ446	Engineering Project B	2
SEV402	Traffic and Transport Engineering	1	SEN770	Infrastructure Engineering	1
				1 elective subject in SE level 3, 4, or 7	1
				1 elective subject	1
<b>Total Credits</b>		<b>3</b>	<b>Total Credits</b>		<b>5</b>