



# MALAYAN COLLEGES LAGUNA

## INDUSTRIAL ENGINEERING

(Curriculum applicable to students who entered as freshmen beginning school year 2011-2012)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
			OVERVIEW OF THE NATIONAL SERVICE TRAINING PROGRAM	3.0	-	(2.0)				CNSTP
1	1	CWTS011								
1	1	DRAW021W	ENGINEERING DRAWING 1 (DRAW)	-	3.0	1.0				DBS
1	1	ENG021	ENGLISH FOR ACADEMIC STUDIES 1	4.5	-	3.0				DBS
1	1	HUM014	PHILIPPINE LITERATURE IN ENGLISH	4.5	-	3.0				DBS
1	1	MATH011	ALGEBRA	4.5	-	3.0				DBS
			PHYSICAL EDUCATION 1: PHYSICAL FITNESS AND GYMNASTICS	-	2.5	(1.5)				DBS
1	1	PE021								
1	1	SS016	PHILIPPINE HISTORY	4.5	-	3.0				DBS
1	1	VE011	VALUES EDUCATION 1	1.5	-	(1.0)				DBS
			<b>Total</b>	<b>22.5</b>	<b>5.5</b>	<b>13.0</b>				

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
1	2	CWTS012	CIVIC WELFARE TRAINING COURSE - 1	3.0	-	(2.0)	CWTS011			CNSTP
1	2	DRAW022W	ENGINEERING DRAWING 2 (DRAW)	-	3.0	1.0	DRAW021W			DBS
1	2	ENG022	ENGLISH FOR ACADEMIC STUDIES 2	4.5	-	3.0	ENG021			DBS
1	2	HUM011	LOGIC REASONING WITH CRITICAL THINKING	4.5	-	3.0				DBS
1	2	MATH011-2	ADVANCED ALGEBRA	3.0	-	2.0	MATH011			DBS
1	2	MATH012	PLANE AND SPHERICAL TRIGONOMETRY	4.5	-	3.0	MATH011			DBS
			PHYSICAL EDUCATION 2: DANCE AND MARTIAL ARTS	-	2.5	(1.5)				DBS
1	2	PE022								
1	2	SS015	POLITICS, GOVERNANCE AND THE 1987 PHILIPPINE CONSTITUTION	4.5	-	3.0				DBS
			<b>Total</b>	<b>24.0</b>	<b>5.5</b>	<b>15.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
1	3	CWTS013	3.0	-	(2.0)	CWTS012			CNSTP
1	3	DRAW023L	-	3.0	1.0	DRAW022W			DBS
1	3	ENG023	4.5	-	3.0	ENG022			DBS
1	3	HUM016	4.5	-	3.0	HUM011			DBS
1	3	MATH013	4.5	-	3.0	MATH012			DBS
1	3	MATH014	3.0	-	2.0	MATH012			DBS
1	3	MATH021	4.5	-	3.0	MATH012	MATH013		DBS
1	3	PE023	-	2.5	(1.5)				DBS
<b>Total</b>			<b>24.0</b>	<b>5.5</b>	<b>15.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
2	1	CHM021	3.0	-	2.0				DBS
2	1	CHM021L	-	3.0	1.0		CHM021		DBS
2	1	CS001P	1.5	3.0	2.0				MITL
2	1	FIL001	4.5	-	3.0				DBS
2	1	MATH022	4.5	-	3.0	MATH013, , MATH021			DBS
2	1	PE024	-	2.5	(1.5)	PE023			DBS
2	1	PHY021	4.5	-	3.0	MATH021			DBS
2	1	PHY021L	-	3.0	1.0	MATH021	PHY021		DBS
<b>Total</b>			<b>18.0</b>	<b>11.5</b>	<b>15.0</b>				

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
2	2	CHM022	GENERAL CHEMISTRY 2	3.0	-	2.0	CHM021			DBS
2	2	CHM022L	GENERAL CHEMISTRY 2 (LAB)	-	3.0	1.0	CHM021, , CHM021L	CHM022		DBS
2	2	CS002P	COMPUTER FUNDAMENTALS & PROGRAMMING 2 (PAIRED)	1.5	3.0	2.0	CS001P			MITL
2	2	FIL002	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	4.5	-	3.0	FIL001			DBS
2	2	MATH023	CALCULUS 3	4.5	-	3.0	MATH022			DBS
2	2	PE025	PHYSICAL EDUCATION 5: TEAM SPORTS	-	2.5	(1.5)				DBS
2	2	PHY022	PHYSICS 2	4.5	-	3.0	MATH022, , PHY021			DBS
2	2	PHY022L	PHYSICS 2 (LAB)	-	3.0	1.0	MATH022	PHY022		DBS
<b>Total</b>				<b>18.0</b>	<b>11.5</b>	<b>15.0</b>				

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
2	3	CHM023	GENERAL CHEMISTRY 3	3.0	-	2.0	CHM022			DBS
2	3	CHM023L	GENERAL CHEMISTRY 3 (LAB)	-	3.0	1.0	CHM022, , CHM022L	CHM023		DBS
2	3	ECE121P	INTRODUCTION TO MATLAB (PAIRED)	1.5	3.0	1.0	Standing			MITL
2	3	MATH025	DIFFERENTIAL EQUATIONS	4.5	-	3.0	MATH023			DBS
2	3	PE026	PHYSICAL EDUCATION 6: ADVANCED TEAM SPORTS	-	2.5	(1.5)	PE025			DBS
2	3	PHY023	PHYSICS 3	4.5	-	3.0	PHY022			DBS
2	3	PHY023L	PHYSICS 3 (LAB)	-	3.0	1.0	PHY022, , PHY022L	PHY023		DBS
2	3	SS013	ECONOMICS, TAXATION AND AGRARIAN REFORM	4.5	-	3.0				DBS
2	3	VE012	VALUES EDUCATION 2	1.5	-	(1.0)	VE011			DBS
<b>Total</b>				<b>19.5</b>	<b>11.5</b>	<b>14.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
3	1	ACT101-9	4.5	-	3.0				ETYCBL
3	1	EECO101	4.5	-	3.0				MITL
3	1	MATH110	4.5	-	3.0	MATH011			DBS
3	1	MATH115	4.5	-	3.0	MATH025 MATH022, ,			MITL
3	1	MEC101	4.5	-	3.0	PHY022			DBS
<b>Total</b>			<b>22.5</b>	<b>0.0</b>	<b>15.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
3	2	ACT111-9	4.5	-	3.0	ACT101-9			ETYCBL
3	2	EENV101	3.0	-	2.0	CHM023, , CHM023L			MITL
3	2	IE102	3.0	-	2.0	PHY023			MITL
3	2	IE102L	-	4.5	1.0	PHY023	IE102		MITL
3	2	IE104	4.5	-	3.0	MATH110			MITL
3	2	MEC102	3.0	-	2.0	MEC101 3rd Year			DBS
3	2	SAF101	1.5	-	1.0	Standing			MITL
<b>Total</b>			<b>19.5</b>	<b>4.5</b>	<b>14.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
3	3	ACT154	4.5	-	3.0	ACT111-9 CHM023, , MATH115, ,			ETYCBL
3	3	BEC198	-	3.0	(1.0)	PHY023			MITL
3	3	IE103	4.5	-	3.0	IE104			MITL
3	3	IE111	3.0	-	2.0	IE102, , MATH110			MITL
3	3	IE111L	-	4.5	1.0	IE102, , MATH110	IE111		MITL
3	3	MATH160	4.5	-	3.0	MATH025			MITL
3	3	MEC103	4.5	-	3.0	MEC101			DBS
3	3	VE013	1.5	-	(1.0)	VE011			DBS
<b>Total</b>			<b>22.5</b>	<b>7.5</b>	<b>15.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
4	1	ECO103	4.5	-	3.0	MATH011			ETYCBL
4	1	EMGT101	4.5	-	3.0				MITL
4	1	ENG041L	-	3.0	1.0	ENG023			DBS
4	1	IE112	3.0	-	2.0	IE111			MITL
4	1	IE112L	-	4.5	1.0	IE111, , IE111L	IE112		MITL
4	1	IE121	4.5	-	3.0	MATH115 4th Year			MITL
4	1	IE181	3.0	-	2.0	Standing			MITL
<b>Total</b>			<b>19.5</b>	<b>7.5</b>	<b>15.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
4	2	ENG042L	-	3.0	1.0	ENG041L			DBS
4	2	IE113	4.5	-	3.0	IE112, , IE112L			MITL
4	2	IE114L	-	4.5	1.0	EECO101, , IE112, , IE112L			MITL
4	2	IE115	4.5	-	3.0	IE112			MITL
4	2	IE115L	-	4.5	1.0	IE112, , IE112L	IE115		MITL
4	2	IE122	4.5	-	3.0	IE121, IE104			MITL
4	2	SS017	4.5	-	3.0				DBS
<b>Total</b>			<b>18.0</b>	<b>12.0</b>	<b>15.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
4	3	ENG043L	-	3.0	1.0	ENG042L			DBS
4	3	IE131	4.5	-	3.0	IE103, , IE121			MITL
4	3	IE141P	1.5	3.0	2.0	IE113, , IE122			MITL
4	3	IE198	-	3.0	(1.0)	EECO101, , IE103, , IE113, , IE115			MITL
4	3	MATH140	4.5	-	3.0	MATH011			DBS
4	3	RES101P	1.5	3.0	2.0	MATH110			MITL
4	3	VE014	1.5	-	(1.0)	VE013			DBS
<b>Total</b>			<b>13.5</b>	<b>12.0</b>	<b>11.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
5	1	IE132	4.5	-	3.0	IE131			MITL
5	1	IE151P	3.0	4.5	3.0	ACT154, , IE131			MITL
5	1	IE152	4.5	-	3.0	5th Year			MITL
5	1	IE200D-1	-	1.5	1.0	Standing RES101P			MITL
<b>Total</b>			<b>12.0</b>	<b>6.0</b>	<b>10.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
5	2	EE104	4.5	-	3.0	PHY023, ,			MITL
5	2	IE200D-2	-	1.5	1.0	PHY023L			MITL
5	2	IT122P	7.5	-	3.0	CS002P,5th			CIT
5	2	ME111	4.5	-	3.0	Year Standing MATH023, , PHY023			MITL
<b>Total</b>			<b>16.5</b>	<b>1.5</b>	<b>10.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
5	3	IE191F	-	4.5	1.0	5th Year Standing			MITL
5	3	IE198-1	-	3.0	(1.0)	IE132, , IE141P, , IE151P, ,			MITL
5	3	IE200D-3	-	1.5	1.0	IE152, , IE181			MITL
5	3	SS014	4.5	-	3.0	IE200D-2			DBS
<b>Total</b>			<b>4.5</b>	<b>9.0</b>	<b>5.0</b>				

## ELECTIVES FOR BATCH 2011

Elective Type: IE ELECTIVES FOR BATCH 2011

Required Units: 12.00

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
4	3	IE171	4.5	-	3.0				MITL
<b>Total</b>			<b>4.5</b>	<b>0.0</b>	<b>3.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
5	1	IE134	4.5	-	3.0				MITL
<b>Total</b>			<b>4.5</b>	<b>0.0</b>	<b>3.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
5	2	IE172	4.5	-	3.0				MITL
<b>Total</b>			<b>4.5</b>	<b>0.0</b>	<b>3.0</b>				

Year	Term Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites	Paired	Care Taker
5	3	IE173	4.5	-	3.0				MITL
<b>Total</b>			<b>4.5</b>	<b>0.0</b>	<b>3.0</b>				

**Total Academic Units : 209.00**