

Bachelor of Science in Industrial Engineering

(Curriculum applicable to students who entered as freshmen beginning school year 2012-2013)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	1	CWTS011	OVERVIEW OF THE NATIONAL SERVICE TRAINING PROGRAM	-	3.0	(2.0)		
1	1	DRAW021W	ENGINEERING DRAWING 1 (DRAW)	-	3.0	1.0		
1	1	ENG021	ENGLISH FOR ACADEMIC STUDIES 1	4.5	-	3.0		
1	1	HUM014	PHILIPPINE LITERATURE IN ENGLISH	4.5	-	3.0		
1	1	MATH011	ALGEBRA	4.5	-	3.0		
1	1	PE021	PHYSICAL EDUCATION 1: PHYSICAL FITNESS AND GYMNASTICS	-	2.5	(1.5)		
1	1	SS016	PHILIPPINE HISTORY	4.5	-	3.0		
1	1	VE011	VALUES EDUCATION 1	1.5	-	(1.0)		
Total				19.5	8.5	13.0		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	2	CWTS012	CIVIC WELFARE TRAINING COURSE - 1	-	3.0	(2.0)	CWTS011	
1	2	DRAW022W	ENGINEERING DRAWING 2 (DRAW)	-	3.0	1.0	DRAW021W	
1	2	ENG022	ENGLISH FOR ACADEMIC STUDIES 2	4.5	-	3.0	ENG021	
1	2	HUM011	LOGIC REASONING WITH CRITICAL THINKING	4.5	-	3.0		
1	2	MATH011-2	ADVANCED ALGEBRA	3.0	-	2.0	MATH011	
1	2	MATH012	PLANE AND SPHERICAL TRIGONOMETRY	4.5	-	3.0	MATH011	
1	2	PE022	PHYSICAL EDUCATION 2: DANCE AND MARTIAL ARTS	-	2.5	(1.5)		
1	2	SS015	POLITICS, GOVERNANCE AND THE 1987 PHILIPPINE CONSTITUTION	4.5	-	3.0		
1	2	VE012	VALUES EDUCATION 2	1.5	-	(1.0)	VE011	
Total				22.5	8.5	15.0		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	3	CWTS013	CIVIC WELFARE TRAINING COURSE - 2	-	3.0	(2.0)	CWTS012	
1	3	DRAW023L	COMPUTER-AIDED DRAFTING & DESIGN (LAB)	-	3.0	1.0	DRAW022W	
1	3	ENG023	ENGLISH FOR ACADEMIC STUDIES 3	4.5	-	3.0	ENG022	
1	3	HUM016	ADVANCED LOGIC AND REASONING	4.5	-	3.0	HUM011	
1	3	MATH013	ANALYTIC GEOMETRY	4.5	-	3.0	MATH012	
1	3	MATH014	SOLID MENSURATION	3.0	-	2.0	MATH012	
1	3	MATH021	CALCULUS 1	4.5	-	3.0	MATH012	MATH013
1	3	PE023	PHYSICAL EDUCATION 3: INDIVIDUAL/DUAL SPORTS	-	2.5	(1.5)		
Total				21.0	8.5	15.0		

Bachelor of Science in Industrial Engineering

(Curriculum applicable to students who entered as freshmen beginning school year 2012-2013)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	1	CHM021	GENERAL CHEMISTRY 1	3.0	-	2.0		
2	1	CHM021L	GENERAL CHEMISTRY 1 (LAB)	-	3.0	1.0		CHM021
2	1	CS001P	COMPUTER FUNDAMENTALS & PROGRAMMING 1 (PAIRED)	1.5	3.0	2.0		
2	1	FIL001	KOMUNIKASYON SA AKADEMIKONG FILIPINO	4.5	-	3.0		
2	1	MATH022	CALCULUS 2	4.5	-	3.0	MATH013, MATH021	
2	1	PE024	PHYSICAL EDUCATION 4: ADVANCED INDIVIDUAL/DUAL SPORTS	-	2.5	(1.5)	PE023	
2	1	PHY021	PHYSICS 1	4.5	-	3.0	MATH021	
2	1	PHY021L	PHYSICS 1 (LAB)	-	3.0	1.0	MATH021	PHY021
Total				18.0	11.5	15.0		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	2	CHM022	GENERAL CHEMISTRY 2	3.0	-	2.0	CHM021	
2	2	CHM022L	GENERAL CHEMISTRY 2 (LAB)	-	3.0	1.0	CHM021, CHM021L	CHM022
2	2	CS002P	COMPUTER FUNDAMENTALS & PROGRAMMING 2 (PAIRED)	1.5	3.0	2.0	CS001P	
2	2	FIL002	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	4.5	-	3.0	FIL001	
2	2	MATH023	CALCULUS 3	4.5	-	3.0	MATH022	
2	2	PE025	PHYSICAL EDUCATION 5: TEAM SPORTS	-	2.5	(1.5)		
2	2	PHY022	PHYSICS 2	4.5	-	3.0	MATH022, PHY021	
2	2	PHY022L	PHYSICS 2 (LAB)	-	3.0	1.0	PHY021, PHY021L, MATH022	PHY022
Total				18.0	11.5	15.0		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	3	CHM023	GENERAL CHEMISTRY 3	3.0	-	2.0	CHM022	
2	3	CHM023L	GENERAL CHEMISTRY 3 (LAB)	-	3.0	1.0	CHM022, CHM022L	CHM023
2	3	ECE120L	INTRODUCTION TO MATLAB (LAB)	-	3.0	1.0	2nd Year Standing	
2	3	MATH025	DIFFERENTIAL EQUATIONS	4.5	-	3.0	MATH023	
2	3	PE026	PHYSICAL EDUCATION 6: ADVANCED TEAM SPORTS	-	2.5	(1.5)	PE025	
2	3	PHY023	PHYSICS 3	4.5	-	3.0	PHY022	
2	3	PHY023L	PHYSICS 3 (LAB)	-	3.0	1.0	PHY022, PHY022L	PHY023
2	3	SS013	ECONOMICS, TAXATION AND AGRARIAN REFORM	4.5	-	3.0		
Total				16.5	11.5	14.0		

Bachelor of Science in Industrial Engineering

(Curriculum applicable to students who entered as freshmen beginning school year 2012-2013)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	1	ACT101-9	FUNDAMENTALS OF ACCOUNTING FOR BUSINESS	4.5	-	3.0		
3	1	EECO101	ENGINEERING ECONOMY	4.5	-	3.0		
3	1	MATH110	PROBABILITY AND STATISTICS	4.5	-	3.0	MATH011	
3	1	MATH115	ADVANCED ENGINEERING MATHEMATICS	4.5	-	3.0	MATH025	
3	1	MEC101	STATICS OF RIGID BODIES	4.5	-	3.0	MATH022, PHY022	
Total				22.5	0.0	15.0		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	2	ACT111-9	FINANCIAL ACCOUNTING FOR BUSINESS	4.5	-	3.0	ACT101-9	
3	2	EMGT101	ENGINEERING MANAGEMENT	4.5	-	3.0		
3	2	IE102	INDUSTRIAL MATERIALS AND PROCESSES	3.0	-	2.0	CHM023, DRAW021W, PHY023	
3	2	IE102L	INDUSTRIAL MATERIALS AND PROCESSES (LAB)	-	4.5	1.0	CHM023, DRAW021W, PHY023	IE102
3	2	IE104	ADVANCED STATISTICS	4.5	-	3.0	MATH110	
3	2	MEC102	DYNAMICS OF RIGID BODIES	3.0	-	2.0	MEC101	
3	2	SAF101	SAFETY MANAGEMENT	1.5	-	1.0	3rd Year Standing	
Total				21.0	4.5	15.0		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	3	ACT154	MANAGERIAL ACCOUNTING	4.5	-	3.0	ACT111-9	
3	3	BEC198	BASIC ENGINEERING CORRELATION	-	3.0	(1.0)	CHM023, MATH115, PHY023	
3	3	IE103	INDUSTRIAL QUALITY CONTROL	4.5	-	3.0	IE104	
3	3	IE111	METHODS STUDY 1	3.0	-	2.0	EMGT101, IE102, MATH110	
3	3	IE111L	METHODS STUDY 1 (LAB)	-	4.5	1.0	EMGT101, IE102, IE102, MATH110	IE111
3	3	MATH160	NUMERICAL METHODS	4.5	-	3.0	MATH025	
3	3	MEC103	MECHANICS OF DEFORMABLE BODIES	4.5	-	3.0	MEC101	
3	3	VE013	VALUES EDUCATION 3	1.5	-	(1.0)	VE011	
Total				22.5	7.5	15.0		

Bachelor of Science in Industrial Engineering

(Curriculum applicable to students who entered as freshmen beginning school year 2012-2013)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	1	ECO103	PRINCIPLES OF ECONOMICS	4.5	-	3.0	MATH011	
4	1	EENV101	ENVIRONMENTAL ENGINEERING	3.0	-	2.0	CHM023, CHM023L	
4	1	ENG041L	ENGLISH FOR THE WORKPLACE 1	-	3.0	1.0	ENG023	
4	1	IE112	METHODS STUDY 2	3.0	-	2.0	IE111	
4	1	IE112L	METHODS STUDY 2 (LAB)	-	4.5	1.0	IE111, IE111L	IE112
4	1	IE121	OPERATIONS RESEARCH 1	4.5	-	3.0	MATH115	
4	1	ME111	THERMODYNAMICS	4.5	-	3.0	MATH023, PHY023	
Total				19.5	7.5	15.0		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	2	ENG042L	ENGLISH FOR THE WORKPLACE 2	-	3.0	1.0	ENG041L	
4	2	IE113	STATISTICAL QUALITY CONTROL	4.5	-	3.0	IE112, IE112L	
4	2	IE114L	IE COMPUTER APPLICATIONS (LAB)	-	4.5	1.0	EECO101, IE112, IE112L	
4	2	IE115	ERGONOMICS	4.5	-	3.0	IE112	
4	2	IE115L	ERGONOMICS (LAB)	-	4.5	1.0	IE112, IE112L	IE115
4	2	IE122	OPERATIONS RESEARCH 2	4.5	-	3.0	IE121, IE104	
4	2	SS017	SOCIETY, CULTURE AND FAMILY LIFE	4.5	-	3.0		
Total				18.0	12.0	15.0		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
4	3	ENG043L	ENGLISH FOR THE WORKPLACE 3	-	3.0	1.0	ENG042L	
4	3	IE131	PRODUCTION SYSTEMS	4.5	-	3.0	IE112, IE121	
4	3	IE141P	SYSTEMS SIMULATION (PAIRED)	1.5	4.5	2.0	IE113, IE122	
4	3	IE198	IE CORRELATION 1	-	3.0	(1.0)	EECO101, IE103, IE115, IE122	
4	3		IE ELECTIVE 1	*	*	3.0		
4	3	MATH140	DISCRETE MATHEMATICS	4.5	-	3.0	MATH011	
4	3	RES101P	METHODS OF RESEARCH (PAIRED)	1.5	3.0	2.0	MATH110	
4	3	VE014	VALUES EDUCATION 4	1.5	-	(1.0)	VE013	
Total				13.5+	13.5+	14.0		

Bachelor of Science in Industrial Engineering

(Curriculum applicable to students who entered as freshmen beginning school year 2012-2013)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
5	1	IE132	FACILITIES PLANNING AND DESIGN PRINCIPLES	4.5	-	3.0	IE131	
5	1	IE151	PROJECT FEASIBILITY PRINCIPLES	3.0	-	2.0	ACT154, IE131	
5	1	IE152	SYSTEMS ENGINEERING	4.5	-	3.0	5th Year Standing	
5	1	IE200D-1	IE CAPSTONE PROJECT 1	-	3.0	1.0	RES101P	
5	1		IE ELECTIVE 2	*	*	3.0		
Total				12.0+	3.0+	12.0		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
5	2	EE104	BASIC ELECTRICAL ENGINEERING	4.5	-	3.0	PHY023, PHY023L	
5	2	IE151F	PROJECT FEASIBILITY (FIELD)	-	4.5	1.0	IE151	
5	2	IE181	ENGINEERING VALUES AND ETHICS	3.0	-	2.0	5th Year Standing	
5	2	IE200D-2	IE CAPSTONE PROJECT 2	-	3.0	1.0	IE200D-1	
5	2		IE ELECTIVE 3	*	*	3.0		
5	2	IT120	INFORMATION SYSTEMS	3.0	-	3.0	CS002P	
Total				10.5+	7.5+	13.0		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
5	3	IE191F	IE SEMINARS AND PLANT VISITS (FIELD)	-	4.5	1.0	5th Year Standing	
5	3	IE198-1	IE CORRELATION 2	-	3.0	(1.0)	IE132, IE151, IE152, MEC103	
5	3	IE200D-3	IE CAPSTONE PROJECT 3	-	3.0	1.0	IE200D-2	
5	3		IE ELECTIVE 4	*	*	3.0		
5	3	SS014	JOSE RIZAL AND THE DEVELOPMENT OF FILIPINO NATIONALISM	4.5	-	3.0		
Total				4.5+	10.5+	8.0		

Total Academic Units : 209.00

Bachelor of Science in Industrial Engineering

(Curriculum applicable to students who entered as freshmen beginning school year 2012-2013)

- * See table of Specs for Electives
- + Add Lecture and Laboratory hours of chosen Elective courses as reflected in the table of Specs

ELECTIVES FOR BATCH 2012

Elective Type: IE ELECTIVES FOR BATCH 2012

Required Units: 12.00

Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
IE171	SIX SIGMA AND LEAN MANUFACTURING	4.5	-	3.0		
IE134	RISK ANALYSIS AND MANAGEMENT	4.5	-	3.0		
IE172	NEW TRENDS IN IE	4.5	-	3.0		
IE173	SPECIAL TOPICS IN IE	4.5	-	3.0		
IE411	COGNITIVE ENGINEERING	4.5	-	3.0		
IE422	COMPENSATION ADMINISTRATION	4.5	-	3.0		
IE133	OCCUPATIONAL SAFETY AND HEALTH	4.5	-	3.0		
IE135	TOTAL PRODUCTIVE MAINTENANCE AND RELIABILITY	4.5	-	3.0		
IE161P	SAP ERP 6.0	1.5	6	3.0		