

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING (B.S. IE)

(Curriculum applicable to students who entered as freshmen beginning school year 2014-2015)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
1	1	DRAW021W	ENGINEERING DRAWING 1 (DRAW)	-	3.0	1.0	None	None
1	1	ENG021	ENGLISH FOR ACADEMIC STUDIES 1	4.5	-	3.0	None	None
1	1	FIL001	KOMUNIKASYON SA AKADEMIKONG FILIPINO	4.5	-	3.0	None	None
1	1	MATH011	ALGEBRA	4.5	-	3.0	None	None
1	1	CHM021	GENERAL CHEMISTRY 1	3	-	2.0	None	None
1	1	CHM021L	GENERAL CHEMISTRY 1 LABORATORY	-	3.0	1.0	None	CHM021
1	1	PE011	PHYSICAL EDUCATION 1: PHYSICAL FITNESS & GYMNASTICS	-	3.0	2.0	None	None
1	1	NSTP010	OVERVIEW OF THE NATIONAL SERVICE TRAINING PROGRAM	3.0	-	3.0	None	None
1	1	VE011	VALUES EDUCATION 1	1.5	-	1.0	None	None
Total				21	9	19.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
1	2	DRAW022W	ENGINEERING DRAWING 2 (DRAW)	-	3.0	1.0	DRAW021W	None
1	2	ENG022	ENGLISH FOR ACADEMIC STUDIES 2	4.5	-	3.0	ENG021	None
1	2	FIL002	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	4.5	-	3.0	FIL001	None
1	2	MATH011-2	ADVANCED ALGEBRA	3	-	2	MATH011	None
1	2	MATH012	PLANE AND SPHERICAL TRIGONOMETRY	4.5	-	3	MATH011	None
1	2	CHM022	GENERAL CHEMISTRY 2	3	-	2.0	CHM021	None
1	2	CHM022L	GENERAL CHEMISTRY 2 LABORATORY	-	3.0	1.0	CHM021, CHM021L	CHM022
1	2	PE012	PHYSICAL EDUCATION 2: DANCE & MARTIAL ARTS	-	3.0	2.0	PE011	None
1	2	NSTP011-1P	CIVIC WELFARE TRAINING SERVICE	4	3.0	3.0	NSTP010	None
1	2	VE012	VALUES EDUCATION 2	1.5	-	1.0	VE011	None
Total				25	12	21.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
1	3	DRAW023L	COMPUTER-AIDED DRAFTING AND DESIGN (LAB)	-	3.0	1.0	DRAW022W	None
1	3	ENG023	ENGLISH FOR ACADEMIC STUDIES 3	4.5	-	3.0	ENG022	None
1	3	MATH013	ANALYTIC GEOMETRY	4.5	-	3.0	MATH012	None
1	3	MATH014	SOLID MENSURATION	3	-	2.0	MATH012	None
1	3	MATH021	CALCULUS 1	4.5	-	3.0	MATH012	MATH013
1	3	CHM023	GENERAL CHEMISTRY 3	3	-	2.0	CHM022	None
1	3	CHM023L	GENERAL CHEMISTRY 3 LABORATORY	-	3.0	1.0	CHM022, CHM022L	CHM023
1	3	PE013	PHYSICAL EDUCATION 3: INDIVIDUAL/DUAL SPORTS	-	3.0	2.0	None	None
Total				19.5	9	17.0*		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
2	1	CS001P	COMPUTER FUNDAMENTALS AND PROGRAMMING 1 (PAIRED)	1.5	3.0	2.0	None	None
2	1	HUM011	LOGIC REASONING WITH CRITICAL THINKING	4.5	-	3.0	None	□None
2	1	SS017	SOCIETY, CULTURE & FAMILY LIFE	4.5	-	3.0	None	None
2	1	MATH022	CALCULUS 2	4.5	-	3.0	MATH021, MATH013	None
2	1	PHY021	PHYSICS 1	4.5	-	3.0	MATH021	□None
2	1	PHY021L	PHYSICS 1 (LAB)	-	3.0	1.0	MATH021	PHY021
Total				19.5	6	15.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
2	2	CS002P	COMPUTER FUNDAMENTALS AND PROGRAMMING 2 (PAIRED)	1.5	3.0	2.0	CS001P	None
2	2	HUM016	ADVANCED LOGIC AND REASONING	4.5	-	3.0	HUM011	None
2	2	SS016	PHILIPPINE HISTORY	4.5	-	3.0	None	None
2	2	MATH023	CALCULUS 3	4.5	-	3.0	MATH022	None
2	2	PHY022	PHYSICS 2	4.5	-	3.0	PHY021, MATH022	None
2	2	PHY022L	PHYSICS 2 (LAB)	-	3.0	1.0	PHY021 ,PHY021L, MATH022	PHY022
2	2	PE014	PHYSICAL EDUCATION 4: TEAM SPORTS	-	3.0	2.0	None	None
Total				19.5	9	17.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
2	3	SS013	ECONOMICS, TAXATION & AGRARIAN REFORM	4.5	-	3.0	None	None
2	3	SS015	POLITICS, GOVERNANCE AND THE 1987 PHILIPPINE CONSTITUTION	4.5	-	3.0	None	None
2	3	MATH025	DIFFERENTIAL EQUATIONS	4.5	-	3.0	MATH023	None
2	3	PHY023	PHYSICS 3	4.5	-	3.0	PHY022	None
2	3	PHY023L	PHYSICS 3 (LAB)	-	3.0	1.0	PHY022, PHY022L	PHY023
2	3	ECE120L	INTRODUCTION TO MATLAB (LAB)	-	3.0	1.0	2 nd Year Standing	None
Total				18	6	14.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
3	1	MATH110	PROBABILITY AND STATISTICS	4.5	-	3.0	MATH011	None
3	1	MEC101	STATICS OF RIGID BODIES	4.5	-	3.0	MATH022, PHY022	None
3	1	ACT101-9	FUNDAMENTALS OF ACCOUNTING FOR BUSINESS	4.5	-	3.0	None	None
3	1	MATH115	ADVANCED ENGINEERING MATHEMATICS	4.5	-	3.0	MATH025	None
3	1	EECO101	ENGINEERING ECONOMY	4.5	-	3.0	None	□None
3	2	BEC198-1	BASIC ENGINEERING CORRELATION 1	-	3.0	1.0	CHM023, PHY023	None
Total				22.5	3	16.0*		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
3	2	MEC102	DYNAMICS OF RIGID BODIES	3.0	-	2.0	MEC101	None
3	2	ACT111-9	FINANCIAL ACCOUNTING FOR BUSINESS	4.5	-	3.0	ACT101-9	None
3	2	SAF101	SAFETY MANAGEMENT	1.5	-	1.0	3 rd Year Standing	None
3	2	IE102	INDUSTRIAL MATERIALS AND PROCESSES	3.0	-	2.0	DRAW021W, CHM023, PHY023	None
3	2	IE102L	INDUSTRIAL MATERIALS AND PROCESSES (LAB)	-	4.5	1.0	DRAW021W, CHM023, PHY023	IE102
3	2	IE104	ADVANCED STATISTICS	4.5	-	3.0	MATH110	None
3	2	EMGT 101	ENGINEERING MANAGEMENT	4.5	-	3.0	None	None
Total				21	4.5	15.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
3	3	MEC103	MECHANICS OF DEFORMABLE BODIES	4.5	-	3.0	MEC101	None
3	3	VE 013	VALUES EDUCATION 3	1.5	-	1.0	VE011	None
3	3	ACT154	MANAGERIAL ACCOUNTING	4.5	-	3.0	ACT111-9	None
3	3	MATH160	NUMERICAL METHODS	4.5	-	3.0	MATH025	None
3	3	IE111	METHODS STUDY 1	3.0	-	2.0	MATH110, IE 102, EMGT101	None
3	3	IE111L	METHODS STUDY 1 (LAB)	-	4.5	1.0	MATH110, IE102, IE102L, EMGT101	IE111
3	3	IE103	INDUSTRIAL QUALITY CONTROL	4.5	-	3.0	IE104	None
3	3	BEC198-2	BASIC ENGINEERING CORRELATION 2	-	3.0	1.0	MATH115	None
Total				22.5	7.5	17.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
4	1	ENG041L	ENGLISH FOR THE WORKPLACE 1	-	3.0	1.0	ENG013	None
4	1	ECO103	PRINCIPLES OF ECONOMICS	4.5	-	3.0	MATH011	None
4	1	EENV101	ENVIRONMENTAL ENGINEERING	3.0	-	2.0	CHM023, CHM023L	None
4	1	ME111	THERMODYNAMICS 1	4.5	-	3.0	MATH023, PHY023	None
4	1	IE112	METHODS STUDY 2	3.0	-	2.0	IE111	None
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	None
Total				19.5	7.5	15.0*		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
4	2	ENG042L	ENGLISH FOR THE WORKPLACE 2	-	3.0	1.0	ENG041L	None
4	2	IE113	STATISTICAL QUALITY CONTROL	4.5	-	3.0	IE103	None
4	2	IE115	ERGONOMICS	4.5	-	3.0	IE112	None
4	2	IE115L	ERGONOMICS (LAB)	-	4.5	1.0	IE112, IE112L	IE 115
4	2	RES101P	METHODS OF RESEARCH (PAIRED)	1.5	3.0	2.0	MATH110	None
4	2	IE122	OPERATIONS RESEARCH 2	4.5	-	3.0	IE121, IE104	None
Total				15	10.5	13.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
4	3	ENG043L	ENGLISH FOR THE WORKPLACE 3	-	3.0	1.0	ENG042L	None
4	3	MATH140	DISCRETE MATHEMATICS	4.5	-	3.0	MATH011	None
4	3	VE014	VALUES EDUCATION 4	1.5	-	1.0	VE013	None
4	3	IE131	PRODUCTION SYSTEMS	4.5	-	3.0	IE121, IE112, IE113	None
4	3	IE141P	SYSTEMS SIMULATION (PAIRED)	1.5	4.5	2.0	IE122, IE113	None
4	3	IEELEC01	IE ELECTIVE 1	*	*	3.0	*	*
4	3	IE200D-1	IE CAPSTONE PROJECT 1	-	3.0	1.0	RES 101P	None
4	3	IE198	IE CORRELATION 1	-	3.0	1.0	IE103, EECO101, IE115, IE122	None
Total				12.0+	13.5+	15.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
4	4	IE199R	IE PRACTICUM	-	13.5	3.0	IE115, IE122, IE131	None
Total				0	13.5	3.0*		

Year	Term	Code	Title	Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
5	1	EE104	BASIC ELECTRICAL ENGINEERING	4.5	-	3.0	PHY023, PHY023L	None
5	1	IE132	FACILITIES PLANNING AND DESIGN PRINCIPLES	4.5	-	3.0	IE131	None
5	1	IE151	PROJECT FEASIBILITY	3.0	-	2.0	ACT154, IE131	None
5	1	IEELEC02	IE ELECTIVE 2	*	*	3.0	*	*
5	1	IE200D-2	IE CAPSTONE PROJECT 2	-	3.0	1.0	IE200D-1	None
Total				12.0+	3.0+	12.0*		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
5	2	IT120	INFORMATION SYSTEMS	4.5	-	3.0	CS002P	None
5	2	IE152	SYSTEMS ENGINEERING	4.5	-	3.0	IE132	None
5	2	IE114L	IE COMPUTER APPLICATIONS	-	4.5	1.0	IE115, IE132	None
5	2	IE151F	PROJECT FEASIBILITY (FIELD)	-	4.5	1.0	IE151	None
5	2	IE181	ENGINEERING VALUES AND ETHICS	3.0	-	2.0	5 th Year Standing	None
5	2		IE ELECTIVE 3	*	*	3.0	*	*
5	2	IE200D-3	IE CAPSTONE PROJECT 3	-	3.0	1.0	IE200D-2	None
Total				12.0 +	12.0+	14.0*		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
5	3	SS014	JOSE RIZAL & THE DEVELOPMENT OF FILIPINO NATIONALISM	4.5	-	3.0	None	None
5	3	HUM014	PHILIPPINE LITERATURE IN ENGLISH	4.5	-	3.0	None	None
5	3	IE191F	IE SEMINARS AND PLANT VISITS (FIELD)	-	4.5	1.0	5 th Year Standing	None
5	3	IE198-1	IE CORRELATION 2	-	3.0	1.0	MEC103, IE151, IE132, IE152	None
5	3		IE ELECTIVE 4	*	*	3.0	*	*
Total				9.0+	7.5+	11.0*		

*PE, NSTP, VE and CORRELATION units are not considered in the computation of TWA and maximum load per term.

TOTAL NO. OF UNITS: 212.00

LESS NON-ACADEMIC UNITS: 22.00

* SEE TABLE OF SPECS FOR ELECTIVES

ADD LECTURE AND LABORATORY HOURS OF CHOSEN ELECTIVE COURSES AS REFLECTED IN THE TABLE OF SPECS

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IE ELECTIVES FOR BATCH 2014

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Total Units	Prerequisites	Co-requisites
		IE411	COGNITIVE ENGINEERING	4.5	-	3.0	IE115	None
		IE422	COMPENSATION ADMINISTRATION	4.5	-	3.0	IE131	None
		IE133	OCCUPATIONAL SAFETY AND HEALTH	4.5	-	3.0	SAF101	None
		IE134	RISK ANALYSIS AND MANAGEMENT	4.5	-	3.0	IE131	None
		IE135	TOTAL PRODUCTIVE MAINTENANCE AND RELIABILITY	4.5	-	3.0	IE131, IE103	None
		IE171	SIX SIGMA AND LEAN MANUFACTURING	4.5	-	3.0	IE131, IE103	None
		IE172	NEW TRENDS IN IE	4.5	-	3.0	5th year standing	None
		IE173	SPECIAL TOPICS IN IE	4.5	-	3.0	IE122	None
		IE161P	SAP ERP 6.0	3	4.5	3.0	IE131	None
		IE162P	SAP ERP GB12.11	1.5	6	3.0	IE131	None
		IE163P	ORACLE INTRODUCTION	3	3	3.0	IE131	None
		IE164P	ORACLE INVENTORY MANAGEMENT	3	3	3.0	IE131	None

NOTE: Elective course offering per term will depend on the availability of instruction and compliance or prerequisite courses for the elective course.