

**Ateneo de Davao University**  
 School of Engineering and Architecture  
 Curriculum Effective 2019 - 2020  
**BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING**

Course#	Description	Units		Prof	Pre-requisites
		Pay	Credit		
<b>1st Year, 1st Semester</b>					
ASF 1102	NATIONAL SERVICE TRAINING PROGRAM - CIVIC WELFARE	0.0	3.0		
ASF 1000	ARRUPE SOCIAL FORMATION 0	2.0	2.0		
ASF 1101	ARRUPE SOCIAL FORMATION 1	2.0	2.0		
GE 1105	UNDERSTANDING THE SELF	3.0	3.0		
GE 1106	PURPOSIVE COMMUNICATION	3.0	3.0		
GE 1107	ART APPRECIATION	3.0	3.0		
PE 1114	PATH-FIT I	2.0	2.0		
Chem 1035	CHEMISTRY FOR ENGINEERS LEC	3.0	3.0		
Chem 1036	CHEMISTRY FOR ENGINEERS LAB	3.0	1.0		
ESM 1030	ENGINEERING CALCULUS 1 (DIFFERENTIAL CALCULUS)	5.0	5.0		
ESM 2041	COMPUTER FUNDAMENTALS AND PROGRAMMING B	6.0	2.0		
Philo 1000	PHILOSOPHY	3.0	3.0		
ESM 1000	FUNDAMENTALS OF ENGINEERING MATHEMATICS	3.0	0.0		
<b>Total Number of Units</b>			<u>32.0</u>		
<b>1st Year, 2nd Semester</b>					
ESM 2036	COMPUTER-AIDED DRAFTING	3.0	1.0		
Theo 1000	THEOLOGY	3.0	3.0		
ESM 1031	ENGINEERING CALCULUS 2 (INTEGRAL CALCULUS)	5.0	5.0		ESM 1030
ASF 1203	NATIONAL SERVICE TRAINING PROGRAM - CIVIC WELFARE	0.0	3.0		ASF 1102
PE 1215	PATH-FIT II	2.0	2.0		PE 1114
PHYS 1261	PHYSICS FOR ENGINEERS LEC	3.0	3.0		ESM 1030
PHYS 1262	PHYSICS FOR ENGINEERS LAB	6.0	2.0		ESM 1030
IE 1231	STATISTICAL ANALYSIS FOR INDUSTRIAL ENGINEERS	3.0	3.0		
IE 1232	PRINCIPLES OF ECONOMICS	3.0	3.0		
IE 1233	INDUSTRIAL ORGANIZATION AND MANAGEMENT	3.0	3.0		
<b>Total Number of Units</b>			<u>28.0</u>		
<b>2nd Year, 1st Semester</b>					
IE 2134	INDUSTRIAL MATERIALS AND PROCESSES LEC	2.0	2.0		Chem 1035, Chem 1036, PHYS 1261, PHYS 1262
IE 2135	INDUSTRIAL MATERIALS AND PROCESSES LAB	3.0	1.0		Chem 1035, Chem 1036, PHYS 1261, PHYS 1262
IE 2136	STATISTICAL ANALYSIS FOR INDUSTRIAL ENGINEERS 2	3.0	3.0		IE 1231
PE 2116	PATH-FIT III	2.0	2.0		PE 1114
GE 1108	MATHEMATICS IN THE MODERN WORLD	3.0	3.0		
GE 1109	ETHICS	3.0	3.0		
EE 2165	FUNDAMENTALS OF ELECTRICAL CIRCUITS LEC	3.0	3.0		PHYS 1261, PHYS 1262
ESM 2034	DIFFERENTIAL EQUATIONS	3.0	3.0		ESM 1031
ESM 2037	ENGINEERING MECHANICS	3.0	3.0		ESM 1031, PHYS 1261, PHYS 1262
<b>Total Number of Units</b>			<u>23.0</u>		
<b>2nd Year, 2nd Semester</b>					
PE 2217	PATH-FIT IV	2.0	2.0		PE 1114
GE 1210	READINGS IN PHILIPPINE HISTORY	3.0	3.0		
GE 1211	THE CONTEMPORARY WORLD	3.0	3.0		
GE 1213	LIFE AND WORKS OF RIZAL	3.0	3.0		
GE 1212	SCIENCE, TECHNOLOGY AND SOCIETY	3.0	3.0		
IE 2237	ADVANCED MATHEMATICS FOR INDUSTRIAL	3.0	3.0		ESM 2034
IE 2238	WORK STUDY AND MEASUREMENT LEC	3.0	3.0		IE 2134, IE 2135, IE 2136
IE 2239	WORK STUDY AND MEASUREMENT LAB	6.0	2.0		IE 2134, IE 2135, IE 2136

**Ateneo de Davao University**  
 School of Engineering and Architecture  
 Curriculum Effective 2019 - 2020  
**BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING**

Course#	Description	Units		Prof	Pre-requisites
		Pay	Credit		
IE 2240	FINANCIAL ACCOUNTING	5.0	5.0		IE 1233
<b>Total Number of Units</b>			27.0		
<b>3rd Year, 1st Semester</b>					
IE 3141	OPERATIONS RESEARCH 1	3.0	3.0		IE 2237
IE 3142	QUALITY MANAGEMENT SYSTEMS	3.0	3.0		IE 2136, IE 2238, IE 2239
IE 3143	ERGONOMICS 1 LEC	2.0	2.0		IE 2238, IE 2239
IE 3144	ERGONOMICS 1 LAB	3.0	1.0		IE 2238, IE 2239
IE 3145	MANAGERIAL ACCOUNTING	5.0	5.0		
ME 2131	THERMODYNAMICS 1	3.0	3.0		ESM 1031, PHYS 1261, PHYS 1262
TECH 1001	TECHNOPRENEURSHIP 101	3.0	3.0		
GE 3118	ELECTIVE 1	0.0	3.0		
<b>Total Number of Units</b>			23.0		
<b>3rd Year, 2nd Semester</b>					
ESM 3044	BASIC OCCUPATIONAL SAFETY AND HEALTH	0.0	3.0		
GE 3219	GE ELECTIVE II	0.0	3.0		
ESM 3043	ENGINEERING ECONOMICS	3.0	3.0		
IE 3246	OPERATIONS RESEARCH 2	0.0	2.0		IE 3141
IE 3247	OPERATIONS MANAGEMENT LEC	0.0	4.0		IE 3141, IE 3142
IE 3248	OPERATIONS MANAGEMENT LAB	0.0	2.0		IE 3141, IE 3142
IE 3249	ERGONOMICS LEC	0.0	2.0		IE 3143, IE 3144
IE 3250	ERGONOMICS 2 LAB	0.0	1.0		IE 3143, IE 3144
<b>Total Number of Units</b>			20.0		
<b>3rd Year, Summer</b>					
IE 3351	IE INDUSTRY IMMERSION (240 HOURS)	0.0	3.0		IE 3246, IE 3247, IE 3248, IE 3249, IE 3250
<b>Total Number of Units</b>			3.0		
<b>4th Year, 1st Semester</b>					
CHE 3137	ENVIRONMENTAL SCIENCE & ENGINEERING	3.0	3.0		Chem 1035, Chem 1036
GE 4120	ELECTIVE 3	3.0	3.0		
IE 4151	SUPPLY CHAIN MANAGEMENT	0.0	3.0		IE 3247, IE 3248
IE 4152	INFORMATION SYSTEMS	0.0	3.0		ESM 2041, IE 3246
IE 4153	SYSTEMS ENGINEERING	0.0	3.0		IE 3246
IE 4154	IE CAPSTONE PROJECT LEC 1	0.0	2.0		IE 3246, IE 3247, IE 3248
IE 4155	IE CAPSTONE PROJECT LAB 1	0.0	1.0		IE 3246, IE 3247, IE 3248
IE 4156	INDUSTRIAL ENGINEERING ELECTIVE 1	0.0	3.0		IE 3145
<b>Total Number of Units</b>			21.0		
<b>4th Year, 2nd Semester</b>					
IE 4257	IE CAPSTONE PROJECT LEC	0.0	1.0		IE 4154, IE 4155
IE 4258	IE CAPSTONE PROJECT LAB	0.0	2.0		IE 4154, IE 4155
IE 4261	INDUSTRIAL ENGINEERING ELECTIVE 2	0.0	3.0		IE 4152
IE 4262	INDUSTRIAL ENGINEERING ELECTIVE 3	0.0	3.0		IE 4153
ASF 4204	SENIORS' INTEGRATION PROGRAM	0.0	2.0		
IE 4259	PROJECT FEASIBILITY LEC	0.0	2.0		IE 3247, IE 3248, IE 4156
IE 4260	PROJECT FEASIBILITY LAB	0.0	1.0		IE 3247, IE 3248, IE 4156
<b>Total Number of Units</b>			14.0		