

*Table 7: Dual Study Requirements*

<b>Type</b>	<b>Course Number</b>	<b>Module Name</b>	<b>Credit Hours</b>	<b>Required Credits</b>
Dual Study Requirements	1800001	Basics of Business Administration	2	14
	1800002	Low-Intermediate English	2	
	1800003	Intermediate English	2	
	1800004	Upper-Intermediate English	2	
	1800010	Advanced English	2	
	1800011	Entrepreneurship	2	
	1800012	Communications Skills	2	
Cultural Course Requirements	1800070	History of Jerusalem	2	6
	1800071	Nature and Environment of Palestine	2	
	1800072	Language and Logic	2	
	1800073	Islamic Culture	2	
	1800074	International Civilizations	2	
Elective courses	1800005	German I	2	2
	1810213	Probability and Engineering Statistics	2	
<b>Total</b>				<b>22</b>

*Table 8: General Engineering Requirements*

<b>Course</b>	<b>Course Code</b>	<b>credits</b>
Mathematics for Engineers I	1810101	3
Physics	1810102	3
Mathematics for Engineers II	1810106	3
Physics Lab	1810114	1
Chemistry	1840102	2
Informatics I	1810111	2
Informatics I Lab	1810112	1
Mathematics for Engineers III	1810201	3
Chemistry Lab	1840203	1
Numerical Engineering Analysis	1810309	2
Management Information Systems	1840434	3
Engineering Economy	1840424	2
Informatics II	1810204	2
Informatics II Lab	1810205	1
Introduction to Graduation Project	1840402	3
<b>Total</b>		<b>32</b>

*Table 9: Industrial Engineering – Management & Optimization Part*

<b>Course</b>	<b>Course Code</b>	<b>credits</b>
Introduction to Industrial Engineering	1840101	2
Quality Control	1840307	2
Cost Accounting	1830253	2
Sustainability (Environment, Recycling & Alternative Energy)	1840312	2
Factory Layout & Organization Planning	1840315	2
Project Management	1830305	2
Production & Operations Management	1830301	2
Human Resource Management	1830302	2
International Supply Chain Management	1831402	2
Total Quality Management	1840425	3
Special Topics in Industrial Engineering	1840426	3
Operations Research & Optimization	1840428	3
Principles of Marketing	1830251	2
<b>Total</b>		<b>29</b>

*Table 10: Industrial Engineering – Mechanical Part*

<b>Course</b>	<b>Course Code</b>	<b>Credits</b>
Statics	1840205	2
Dynamics	1840232	2
Mechanics of Materials	1840311	2
Maintenance Management	1840217	2
Thermodynamics & Heat Transfer	1840204	3
Fluid Mechanics	1840314	2
Pneumatics & Hydraulics	1840416	3
Engineering Materials (Metallurgy)	1840209	2
Engineering Drawing & Machine Elements Design	1840219	3
Advanced Machine Design	1840333	3
Manufacturing Technology I	1840208	3
Manufacturing Technology I Lab	1840313	1
Manufacturing Technology II Lab	1840422	1
Manufacturing Technology II	1840421	2
<b>Total</b>		<b>31</b>

*Table 11: Industrial Engineering – Electrical Part*

<b>Course</b>	<b>Course Code</b>	<b>Credits</b>
Fundamentals of Electrical Engineering I	1810103	3
Fundamentals of Electrical Engineering I Lab	1810104	1
Engineering Workshop and Safety	1810105	2
Fundamentals of Electrical Engineering II	1810107	3
Fundamentals of Electrical Engineering II Lab	1810108	1
Electronics	1840206	2
Electronics Lab	1840310	1
Electrical Workshop I	1810301	2
Instrumentation and Measurement	1810208	3
Instrumentation and Measurement Lab	1810209	1
Electrical Machines	1810323	3
Control Systems I	1810330	3
Electrical Machines Lab	1810324	1
<b>Total</b>		<b>26</b>

*Table 12: Graduation Project Modules*

<b>Course Number</b>	<b>Module Name</b>	<b>Credit Hours</b>
1840490	Graduation Project I	3
1840491	Graduation Project II	4
<b>Total</b>		<b>7</b>

*Table 13: Practice phases of three months that must be carried out in a dual study partner company*

<b>Course Number</b>	<b>Module Name</b>	<b>Credit Hours</b>
1840190	Practice I	3
1840191	Practice II	3
1840290	Practice III	3
1840291	Practice IV	3
1840390	Practice V	3
1840391	Practice VI	3
	<b>Total</b>	<b>18</b>