

DOUBLE MAJOR IN AUTOMOTIVE ENGINEERING GENERAL

First Semester

Course Code	Course Name	C	L/P	C	ECTS
CHM101	General Chemistry	3	2	4	5
MTH101	Mathematics I	4	0	4	6
ECC103	Engineering Drawing I	2	1	3	5
PHY101	General Physics I	3	2	4	6
TOTAL		12	5	15	22

Second Semester

Course Code	Course Name	C	L/P	C	ECTS
ECC101	Introduction to Computer and Programming	3	1	4	6
MTH102	Mathematics II	4	0	4	6
ECC013	Engineering Drawing II	2	1	3	5
PHY102	General Physics II	3	2	4	6
TOTAL		12	4	15	23

Third Semester

Course Code	Course Name	C	L/P	C	ECTS
MTH201	Ordinary Differential Equations	4	0	4	6
ECC211	Engineering Materials	4	0	4	7
ECC206	Statics	4	0	4	7
ECC207	Thermodynamics I	4	0	4	7
TOTAL		16	0	16	27

Fourth Semester

Course Code	Course Name	C	L/P	C	ECTS
EE205	Basic Electricity & Electronics	3	0	3	4
ME218	Applied Math. for Mech. Engineers	3	0	3	6
ECC209	Manufacturing Technology I	3	0	3	4
ECC212	Dynamics	3	0	3	5
ECC208	Thermodynamics II	3	0	3	5
ECC213	Sterngth of Materials I	4	0	4	5
AUE200	Workshop Training	0	0	0	1
TOTAL		19	0	19	30

Fifth Semester

Course Code	Course Name	C	L/P	C	ECTS
ECC304	Fluid Mechanics I	4	0	4	7
ECC307	Machine Design I	4	0	4	6
ME307	Sterngth of Materials II	4	0	4	7
ECC305	Manufacturing Technology II	3	0	3	4
ECC306	Heat Transfer I	4	0	4	7
TOTAL		19	0	19	31

Sixth Semester

Course Code	Course Name	C	L/P	C	ECTS
MTH323	Numerical Analysis	3	0	3	6
ECC309	Theory of Machines I	0	0	0	3
ECC308	Machine Design II	4	0	4	5
ECC310	Control Systems	3	0	3	5
ME314	Heat Transfer II	3	0	3	6
AUE300	Industrial Training	0	0	0	3
TOTAL		13	0	13	28

Seventh Semester

Course Code	Course Name	C	L/P	C	ECTS
AUE401	Vehicle Dynamics	3	0	3	5
AUE403	Vehicle Body Design	3	0	3	5
ME421	Internal Combustion Engine	3	0	3	5
ECC424	Experimental Analysis of Mech. Eng. Syst.	1	2	3	6
TE	Technical Elective (Aut Eng.)	3	0	3	6
TOTAL		13	2	15	27

Eighth Semester

Course Code	Course Name	C	L/P	C	ECTS
AUE400	Graduation Project	3	0	3	7
AUE404	Vehicle Prod. Proc. & Syst.	3	0	3	5
TE	Technical Elective (Aut Eng.)	3	0	3	6
TE	Technical Elective (Aut Eng.)	3	0	3	6
RNTE	Restricted Non-Technical Elective	3	0	3	5
TOTAL		15	0	15	29

TOTAL	Contact Hs	Lab/Practice Hs	Credit	ECTS
	119	11	127	217