

**TABLE 2: COURSE DISTRIBUTION PER SEMESTER**

N/N	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
<b>Semester A</b>								
1	Compulsory	Vehicles' Industries & Alternative Fuels	DAE 001	2	55	14	28	3
2	Compulsory	Motor Vehicle Technology I	DAE 002	3+1*	55	14	42+14*	5
3	Compulsory	Elements of Electrotechnics	DAE 003	2+1*	55	14	28+14*	4
4	Compulsory	Physics	DAE 004	2+2*	55	14	28+28*	4
5	Compulsory	Mathematics I	DAE 005	3	55	14	42	4
6	Compulsory	Introduction to Computers	DAE 006	1+2*	55	14	14+28*	4
7	Compulsory	Introduction to Materials Science	DAE 007	3	55	14	42	5
<b>Semester B</b>								
1	Compulsory	Mathematics II	DAE 008	3	55	14	42	4
2	Compulsory	Strength of Materials	DAE 009	3	55	14	42	5
3	Compulsory	Motor Vehicle Technology II	DAE 010	3+1*	55	14	42+14*	5
4	Compulsory	Vehicles' Electrics	DAE 011	3+1*	55	14	42+14*	4
5	Compulsory	Vehicle's Internal Combustion Engines	DAE 012	3+1*	55	14	42+14*	5
6	Compulsory	Manufacturing Technology	DAE 013	3+1*	55	14	42+14*	5
7	Elective	Elective course						3
8	Elective	Elective course						3



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#### Semester C

1	Compulsory	Thermodynamics	DAE 014	3	55	14	42	4
2	Compulsory	Machine Elements	DAE 015	3+1*	55	14	42+14*	5
3	Compulsory	Basic Principles of Fluid Mechanics	DAE 016	2	55	14	28	4
4	Compulsory	Vehicles' Electronic Systems	DAE 017	3+1*	55	14	42+14*	5
5	Compulsory	Vehicles' Body & Telematics Technology	DAE 018	3	55	14	42	4
6	Compulsory	Vehicle Dynamics & Control Systems	DAE 019	3+1*	55	14	42+14*	5
7	Elective	Elective course						3
8	Elective	Elective course						3

#### Semester D

1	Compulsory	Vehicles' Technical Inspection	DAE 020	3	55	14	42	6
2	Compulsory	Hybrid, Electric & Gas Vehicle Technologies	DAE 021	3+1*	55	14	42+14*	5
3	Compulsory	Motorcycle & Marine Technologies	DAE 022	3+1*	55	14	42+14*	5
4	Compulsory	Practical Training	DAE 023	10*	55	14	140*	5
5	Compulsory	Diploma Project	DAE 024	1	55	14	14	6
6	Elective	Elective course						3
7	Elective	Elective course						3



### **Elective courses**

DAE 025 Engineering Drawing	3 ECTS
DAE 026 English	3 ECTS
DAE 027 Vehicle's Anti-pollution Technologies	3 ECTS
DAE 028 Vehicles' Heating & Air Conditioning	3 ECTS
DAE 029 Health and Safety at Work	3 ECTS
DAE 030 Computing for Engineers	3 ECTS