

	SUB CODE	SUBJECT NAME	L	T	P	C
<b>THIRD SEMESTER</b>	MAT 201	Engineering Mathematics- III	4	0	0	4
	AAE 201	Mechanics of Fluids	3	1	0	4
	AAE 203	Aircraft Production Technology	4	0	0	4
	AAE 205	Introduction To Aerospace Engineering	3	0	0	3
	AAE 207	Thermodynamics	3	1	0	4
	AAE 209	Aerospace Structural Mechanics	3	1	0	4
	AAE 211	Aircraft Engineering Drawing	0	0	6	2
	CIE- 219	Material Testing Lab	0	0	3	1
		TOTAL	20	03	09	26

	SUB CODE	SUBJECT NAME	L	T	P	C
<b>FOURTH SEMESTER</b>	MAT 202	Engineering Mathematics IV	4	0	0	4
	AAE 202	Aerodynamics-I	3	1	0	4
	AAE 204	Digital Electronics and Microprocessors	3	0	0	3
	AAE 206	Aircraft Propulsion-I	3	1	0	4
	AAE 208	Aircraft Vehicle Structures	3	1	0	4
	*** **	Open Electives-I	3	0	0	3
	AAE 210	Fluid Mechanics and Thermal Engineering Lab	0	0	3	1
	AAE 212	CAD Lab	0	0	6	2
	AAE 214	Aircraft Production Lab	0	0	3	1
		TOTAL	19	03	12	26

	SUB CODE	TITLE	L	T	P	C
<b>FIFTH SEMESTER</b>	AAE 301	Flight Mechanics	3	1	0	4
	AAE 303	Control Systems Design	3	1	0	4
	AAE 305	Aerodynamics-II	3	1	0	4
	AAE 307	Aircraft Propulsion-II	3	1	0	4
	AAE 309	Introduction to Space Technology	4	0	0	4
	AAE 311	Aircraft Materials and Composites	4	0	0	4
	AAE 313	Aircraft Structures Lab	0	0	3	1
	AAE 315	Aerodynamics and Propulsion Lab	0	0	3	1
		TOTAL	20	04	06	26

	<b>SUB CODE</b>	<b>SUBJECT NAME</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>SIXTH SEMESTER</b>	AAE 302	Avionics	4	0	0	4
	AAE 304	Aircraft Design	3	1	0	4
	AAE 306	Flight Dynamics	3	1	0	4
	AAE ***	Program Elective-I	4	0	0	4
	AAE ***	Program Elective-II	4	0	0	4
	*** **	Open Elective-II	3	0	0	3
	AAE 310	Aircraft Systems Lab	0	0	3	1
	AAE 312	Aircraft Design Lab	0	0	3	1
	AAE 314	Aircraft Maintenance and Fabrication Lab	0	0	3	1
		<b>TOTAL</b>	<b>21</b>	<b>02</b>	<b>09</b>	<b>26</b>

	<b>SUB CODE</b>	<b>SUBJECT NAME</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>SEVENTH SEMESTER</b>	HSS 401	Essentials of Management & Engineering Economics	3	1	0	4
	AAE 401	Theory of Vibrations	3	1	0	4
	AAE 403	Aircraft Systems and Instruments	4	0	0	4
	AAE 405	Finite Element Method	3	1	0	4
	AAE ***	Program Elective - III	3	0	0	3
	AAE ***	Program Elective - 1V	3	0	0	3
	AAE 411	Avionics Lab	0	0	3	1
	AAE 413	Aircraft Structural Design Lab	0	0	3	1
	AAE 415	Seminar	0	0	3	1
		<b>TOTAL</b>	<b>19</b>	<b>03</b>	<b>09</b>	<b>25</b>

	<b>SUB CODE</b>	<b>SUBJECT NAME</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>EIGHTH SEMESTER</b>	AAE 402	Industrial Training/ Tour	0	0	0	1
	AAE 499	Project Work/ Practice School	0	0	0	20
		<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>

## Program Electives I & II

CODE NO	TITLE	L	T	P	C
AAE 320	Rockets and Missiles	3	1	0	4
AAE 322	Helicopter Engineering	3	1	0	4
AAE 324	Structural Analysis and Detailed Design	3	1	0	4
AAE 326	Space Flight Mechanics	3	1	0	4
AAE 328	Navigation, Guidance and Control	3	1	0	4
AAE 330	Space Mission Analysis and Design	3	1	0	4
AAE 332	Heat Transfer-Aerospace Application	3	1	0	4
AAE 334	Computational Aerodynamics	3	1	0	4

## Program Electives III & IV

CODE NO	TITLE	L	T	P	C
AAE 421	Avionics Troubleshooting and Repair	3	0	0	3
AAE 423	Air Traffic Control and Aerodrome Design	3	0	0	3
AAE 425	Boundary Layer Theory	3	0	0	3
AAE 427	Introduction To Aero-elasticity	3	0	0	3
AAE 429	High Speed Aerodynamics	3	0	0	3
AAE 431	Air Transportation and Aircraft Maintenance Management	3	0	0	3
AAE 433	Spaceflight Navigation and Guidance System	3	0	0	3

## Open Elective

CODE NO	TITLE	L	T	P	C
AAE 340	Introduction to Aircraft Industry & Aircraft Systems	3	0	0	3
AAE 342	Design of Aircraft Structures (Only Mechanical)	3	0	0	3