

Aeronautical Engineering				Equivalent Course Under 2022 scheme		
Scheme	Semester	Branch	SubjectCode	Subject Name	Sub Code	Subject Name
2021	3	AE	21AE32	Aircraft Materials and Processes	BAE301	AIRCRAFT MATERIALS AND PROCESSES
2021	3	AE	21AE33	Fluid Mechanics	BAE303/BAS303	FLUID MECHANICS
2021	3	AE	21AE34	Elements of Aeronautics (EoA)	BAE302	ELEMENTS OF AERONAUTICS
2021	3	AE	21AEL35	CAAD (Computer Aided Aircraft Drawing)	BAEL305/BASL305	Computer Aided Aircraft Drawing
2021	3	AE	21SCR36	Social Connect and Responsibility	BSCK307	Social Connect and Responsibility
2021	3	AE	21AE381	Development of soft skills for Engineers	BAE358A/ BAS358A	Development of Soft Skills for Engineers
2021	3	AE	21AE382	Ethics Technology and Engineering	BAE358B/ BAS358B	Ethics, Technology and Engineering
2021	3	AE	21AE383	Digitalization in Aeronautics	BAE358C	Digitalization in Aeronautics
2021	3	AE	21AE384	Coding literacy	BAE358D/ BAS358D	Coding literacy
Scheme	Semester	Branch	SubjectCode	SubjectName		
2021	4	AE	21AE42	Aerodynamics (+Aerodynamics Lab)	BAE402/ BAS402	Aerodynamics
2021	4	AE	21AE43	Aero Engineering Thermodynamics (+Energy Conversion + Heat & Mass Transfer Labs)	BAE401	Aero Engineering Thermodynamics
2021	4	AE	21AE44	Mechanics of Materials	BAE304	Mechanics of Materials
2021	4	AE	21BE45	Biology for Engineers	BBOK407	Biology For Engineers
2021	4	AE	21AEL46	Hydraulics and Pneumatics Systems Lab		No Equivalent subject available
2021	4	AE	21AE481	The Science of Well -Being		No Equivalent subject available
2021	4	AE	21AE482	Design Thinking for Innovation		No Equivalent subject available
2021	4	AE	21AE483	Flight Mechanics - The Basis		No Equivalent subject available
2021	4	AE	21AE484	Introduction to Programming with MATLAB and Python	BAE456A	Introduction to programming with MATLAB and Python
2021	4	AE	21UH49	Universal Human Values	BUHK408	Universal human values course
2021	4	AE	21INT49	Inter/Intra Institutional Internship		No Equivalent subject available
Scheme	Semester	Branch	Subject Code	Subject Name		
2021	5	AE	21AE51	Mechanism and Machine Theory	BAE306B/ BAS306B	Mechanism & Machine Theory
2021	5	AE	21AE52	Aircraft Propulsion(+Propulsion Lab)	BAE403	Aircraft Propulsion
2021	5	AE	21AE53	Aero Structures	BAE502	Aircraft Structures
2021	5	AE	21AE54	Aircraft Performance and Stability	BAE602	Aircraft Performance and Stability
2021	5	AE	21AEL55	Advanced Aircraft Structures Lab		No Equivalent subject available
2021	5	AE	21RMI56	Research Methodology & Intellectual Property Rights	BRMK557	Research Methodology and IPR
2021	5	AE	21CIV57	Environmental Studies	BESK508	Environmental Studies
2021	5	AE	21AE581	DRONE Pilot Training	BAE456B/ BAS456B	DRONE Pilot Training
2021	5	AE	21AE582	Introduction to Swarm Drone	BAE657C	Introduction to Swarm Drone
2021	5	AE	21AE583	Virtual Aircraft Simulation	BAE657B/ BAS657B	Virtual Aircraft Simulation
2021	5	AE	21AE584	Multi-Disciplinary Research in Aeronautical Engineering	BAE657D	Multi-disciplinary Research in Aeronautical Engineering
Scheme	Semester	Branch	Subject Code	Subject Name		
2021	6	AE	21AE61	Aviation Management	BAE501/BAS501	Aviation Management
2021	6	AE	21AE62	Aircraft Systems and Avionics (+ Avionics Lab)	BAE701	AVIONICS AND SYSTEMS
2021	6	AE	21AE63	Gas Turbine Technology	BAE714A	Gas Turbine Technology
2021	6	AE	21AE641	Flight Vehicle Design	BAE613A	Flight Vehicle Design
2021	6	AE	21AE642	Composite Materials and Structures		No Equivalent subject available (BAE601 -Composite Materials & Structures)-Matches 40%
2021	6	AE	21AE643	Computational Fluid Flow and Heat Transfer		No Equivalent subject available
2021	6	AE	21AE644	Principles of Flight Simulation	BAE755C	BASICS OF FLIGHT SIMULATION
2021	6	AE	21AE651	Introduction to Aerospace History	BAE654A/ BAS654A	Introduction to Aerospace History
2021	6	AE	21AE652	Introduction to Helicopters	BAE654B/BAS654B	Introduction to Helicopters
2021	6	AE	21AE653	Indian Aviation		No Equivalent subject available
2021	6	AE	21AE654	Airline and Airport Management		No Equivalent subject available
2021	6	AE	21AEL66	Flight Modelling, Analysis and Simulation Lab		No Equivalent subject available
2021	6	AE	21AEMP67	Mini Project	BAE586	Mini Project
2021	6	AE	21INT68	Societal Internship		No Equivalent subject available