

**Aerospace Engineering  
New Course Names and Numbers for AY 2022-23**

<b>EXISTING NUMBER and NAME</b>	<b>NEW NUMBER and NAME</b>
AE 3602 Incompressible Fluid Dynamics	AE 2110 Introduction to Incompressible Fluid Dynamics
AE 3410 Compressible Fluid Dynamics	AE 3110 Fundamentals of Compressible Fluid Dynamics
AE 3711 Aerodynamics	AE 3120 Fundamentals of Aerodynamics
AE 4711 Fundamentals of Air-breathing Propulsion	AE 4210 Fundamentals of Air-breathing Propulsion
AE 4719 Rocket Propulsion	AE 4220 Fundamentals of Rocket Propulsion
AE 2713 Astronautics	AE 2320 Introduction to Orbital Mechanics
AE 3713 Introduction to Aerospace Control Systems	AE 2310 Introduction to Aerospace Control Systems
AE 4733 Guidance, Navigation, and Communication	AE 3310 Fundamentals of Navigation and Communication
AE 4723 Aircraft Dynamics and Control	AE 4310 Fundamentals of Aircraft Dynamics and Control
AE 4713 Spacecraft Dynamics and Control	AE 4320 Fundamentals of Spacecraft Dynamics and Control
AE 2712 Introduction to Aerospace Structures	AE 2410 Introduction to Aerospace Structures
AE 3712 Aerospace Structures	AE 3420 Fundamentals of Aerospace Structures
AE 4717 Fundamental of Composites	AE 3430 Fundamentals of Composite Materials
AE 4712 Structural Dynamics	AE 4410 Fundamentals of Structural Dynamics
AE 4770 Aircraft Design	AE 4510 Aircraft Design
AE 4771 Spacecraft and Mission Design	AE 4520 Spacecraft and Mission Design