



Major Jameel Janjua was born in Calgary, Alberta, and graduated from the Royal Military College of Canada with a Bachelor's degree in Chemical and Materials Engineering. He was awarded the Governor General's medal as the top graduate.

Upon graduation from RMC, Jameel was awarded a post-graduate scholarship from the Natural Science and Engineering Research Council (NSERC) to complete a Master of Science (SM) degree in Aeronautics and Astronautics at the Massachusetts Institute of Technology (MIT).

Following graduate school, Jameel completed his flying training in Moose Jaw, Saskatchewan and was selected for fighter pilot training. Fighter Lead in Training and Basic Fighter Pilot Training were conducted at Cold Lake, Alberta, where Major Janjua finished his CF-18 Hornet conversion as the top graduate, being awarded both the Colonel Ned Henderson and Captain Tristan de Konick Memorial Trophies.

Major Janjua was then posted to 425 Tactical Fighter Squadron (TFS) in Bagotville, Quebec. During his front-line tour, Janjua participated in many missions for Op Noble Eagle, the defense of North America from strategic and asymmetric threats. Major Janjua was selected to complete the prestigious Fighter Weapons Instructor Course (FWIC) in 2008, and was also selected as an instructor pilot for FWIC 2009.

During this time, Jameel competed in the 2009 astronaut recruitment campaign for the Canadian Space Agency (CSA). Although not selected as one of the two new astronauts

hired by the CSA, Janjua was however one of the final four candidates from a pool of 5,351 applicants.

Major Janjua was subsequently chosen to represent the Royal Canadian Air Force (RCAF) as the exchange officer to the Royal Air Force's (RAF) Tornado GR4. Notably, Major Janjua deployed on Op Herrick, the British contribution to NATO's International Security Assistance Force (ISAF). Based in Kandahar Airfield, Afghanistan, Janjua flew 40 combat missions in support of British, Canadian and other NATO troops.

Soon after returning from Afghanistan, Jameel found himself flying combat missions over Libya as part of Op Ellamy. Major Janjua deployed to southern Europe twice in support of Op Ellamy, flying a total of 43 combat missions. These missions were aimed at enforcing UN Security Council resolution 1973, to support and protect the civilian population of Libya. In one calendar year, Major Janjua flew 83 combat missions and more than 400 combat hours, in two separate operations. Major Janjua served as the Officer Commanding (OC) Weapons at IX(B) Squadron, RAF.

After returning to Canada, Jameel was selected for training as an experimental test pilot. Jameel is a distinguished graduate of the United States Air Force (USAF) Test Pilot School (TPS), Course 13B, and was the recipient of the Liethen-Tittle Award as the top graduate. He was only the fourth Canadian to win this award in more than 70 years. Following TPS, Jameel commenced his tour as the Canadian Exchange Officer to 416 Flight Test Squadron at Edwards AFB, flying the F-16 Viper. His flight test and research efforts have been varied; with notable project experience involving enhanced flight controls, automatic collision avoidance, and the integration and testing of advanced weapons. As the lead test pilot on the team of experts that advances automatic collision avoidance technologies in the USAF, Major Janjua is at the cutting edge of building upon state of the art technology that has already been credited with saving eight USAF F-16 aircraft and their pilots. The technology that his flight test team helps to improve saves lives. The innovative test methods that Jameel has helped develop are being used to test one of a kind, life saving aviation technologies that will be transitioned to other aircraft types and beyond. Jameel also earned a qualification on the F-15SA Advanced Eagle. In addition to his duties as a F-16 instructor pilot and test pilot, he also participates in flight test activities with the F-15SA Combined Test Team, testing the world's most advanced variant of the F-15 Eagle. Furthermore, Jameel is actively involved as a member of the Society of Experimental Test Pilots (SETP), where he serves on the Board of Directors. Jameel is very active in SETP, presenting technical papers at national and international symposia.

Jameel is interested in the potential cross-flow of ideas and best practices between military aviation and medicine. He has co-authored a paper titled Simulation and Augmented Reality in Endovascular Neurosurgery: Lessons from Aviation, which was published in Neurosurgery. He is currently collaborating on a manuscript aimed at applying the briefing, debriefing, and lessons learned process from high performance military aviation to making surgery more efficient and enhancing educational training. Jameel is passionate about finding parallels where his experience as a combat-proven

fighter pilot and test pilot can be applied to how other professionals achieve success in their fields.

Jameel has 3,300 hours of flying experience in more than 35 aircraft, including having held captaincy on four front-line fighters: the F-15 Eagle, CF-18 Hornet, F-16 Viper, and Tornado GR4. He is one of only a handful of fighter pilots who are graduates of both the FWIC and TPS. Jameel is married to Sylvie Villeneuve and they have two young sons, Asher and Oliver.