

Table 1. CREATE GMD-MSTI Program Requirements and Modules						
Training Overview						
U/G	Regular university program course load	A1, B1				
Masters	A research project in identified themes	A1, A2, B1, one from B2–B4, C1–C3				
PhD	Next column courses	A1, A2 + one from A3–A6, B1, one from B2–B4, C1–C3				
PDF	N/A	A1, B1, B2, C2, C3				
Detailed Training Schemes						
Training Modules and Objectives		Lead/Instructor	Total Duration	Key Skills Delivered	Metrics	
1. Research Leadership	3. Inclusive Training	Module A – Research Training		Research Skills		
		A1. GMD and Emergency Response	Asgary/Connor	4 hrs	Technical Skills Problem-solving Skills Critical thinking	Enrolled trainees Total graduates Publications, Patents Citations
		A2. Year-long Project	Nayebi/ Hooshyar	200 hrs		
		A3. Advanced GMD modeling techniques in Power Systems	Rezaei-Zare/Fofana	3-credit (36 hrs)		
		A4. Resilient Wireless and Electronic Systems	Kassiri/Tabassum	3-credit (36 hrs)		
		A5. Introduction to Neurobiology of Special Senses	Zoidl/Ghafar-Zadeh	3-credit (36 hrs)		
		A6. GS/ESS 5010-Space Sustainability and Security	Lee/Connor	3-credit (36 hrs)		
		Module B – Professional Skills Training		Professional Skills		
2. Industry Readiness	4. Industry Readiness	B1. Annual Workshop	Nayebi & Tabassum	3 days		
		B2. Technology Entrepreneurship Course	BEST	4 hours		
		B3. Entrepreneurial Leadership & Learning Alliance (ELLA) Courses	Innovation York/ELLA	4 hours		
		B4. Graduate & Postdoctoral Professional Skills (GPPS) Courses	York/FGS/Mitacs	4 hours		
		Module C – Collaboration Training		Collaboration Skills		
		C1. Internship & Exchange	Nayebi	4 – 8 months	Transferable skills & Industry tools EDI mindset Science communication	Graduates in employment & Survey from employers EDI-identified students Exit survey (trainees)
		C2. Respect, Equity, Diversity, and Inclusion (REDI) Course	Nayebi/York/REDI	4 hours		
		C3. Outreach Activity	Asgary & Lee	2-4 hours		

1. Compulsory for all U/G students:



2. Compulsory for all master's students:



1

3. Compulsory for all PhD students:



1



1

4. Compulsory for all Post-Doctoral Fellows:



B2

C2

C3